





GLASHÜTTE LIMBURG is part of a group of companies which includes BEGA and BOOM. These are medium-sized family companies, managed by the same owners. All the companies in the group manufacture high-quality luminaires, each specialising in its own particular field.

GLASHÜTTE LIMBURG is based in "Limburg an der Lahn".

Meandering lanes, steep flights of steps and historic half-timbered houses are distinctive features of Limburg.

Its landmark is the Cathedral, which stands majestically above the town. Built in 1206, St. George's Cathedral is considered to be one of the masterpieces of the Rhineland's late Romantic period. Limburg is one of the few towns where the medieval buildings are almost intact. Many half-timbered houses originating from the 13th to 18th century were restored with great care and appropriately used. Our trademark bears the town's name and underlines our commitment to an exacting approach towards our architecture and the development of our products.

We specialise in interior luminaires made of glass. Our collection comprises of over 2000 models that are unique in the world. Luminaires for all areas of interior architecture, for solving design and lighting tasks in public and private areas.

GLASHÜTTE LIMBURG



We design, develop and manufacture our products with great care. A team of designers, glass specialists, design engineers and lighting technicians collaborates to produce a long-lasting product of high quality and good design to serve architecture. At a time of declining product quality and increased mass production, high-quality workmanship and long-lasting design are an expression of good taste.

This catalogue provides a comprehensive overview of our programme.

Our designers have created it to reflect the design, quality and ease of use of our luminaries, but only the actual products themselves can demonstrate this to perfection.

The outstanding design and structural quality of our luminaires have received international recognition for over 40 years.

The luminaire programme is sold through specialised dealers and the electrical trade at home and abroad.

GLASHÜTTE LIMBURG is the partner of all light planners and designers.

A reliable and efficient supplier to dealers and the trade.





We have been developing and manufacturing luminaires for many areas of interior architecture for over four decades. The fascination of glass and its countless aspects have inspired our development and design work.

Being able to fall back on our own glass production when new ideas are being implemented has always been a major advantage. The specialist know-how of our glassmakers and mould designers in their traditional crafts allows us great freedom in our work.

We can design our luminaire glass to meet our own quality and lighting requirements without having to rely on interchangeable products.

The resulting competence is reflected in the processing of the glass, metal production and lighting technology. We have developed many of the production processes required by our products in-house. This know-how and longstanding experience define our daily approach to the development of new product ideas and new luminaries.

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As a building detail, our products are closely connected with architecture. Continuous further development in this area requires an increasing number of new lighting solutions. It is our task to recognize these changes and use the potential they provide when developing new luminaries. The aim of our products is to help solve lighting tasks.

We supply almost all our luminaires in different sizes, material finishes and with different technical equipment. This means we can easily meet the most diverse requirements in planning work with respect to illumination, dimension and material.

As well as the design and technical lighting quality of our luminaires, we believe meticulous manufacture and the intelligent use of all materials are a special priority. Part of our corporate philosophy is to consider every single detail with the same care as the product as a whole. This produces a lasting investment that remains timeless in terms of technology and design, even decades later.



Apart from manufacturing glass, an important part of the production process is the manufacture of metal parts and their surface treatment.

Each metal is treated according to its characteristics so that the surface finish reflects the natural character of the material. In order to meet the highest quality requirements, every part is processed by hand. We supply the metal parts of our luminaires in different metals or different surface finishes. The associated materials can be found on the relevant pages of the catalogue.

The following finishes are available: matt and polished stainless steel, matt and polished aluminium, matt and polished brass, chrome and 24 carat gold. Luminaire parts with these surface finishes are either manufactured from the corresponding material or galvanized. Information about luminaire material can be found in the luminaire description on the respective page of the catalogue.

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We use the term »stainless steel finish« for galvanically refined luminaire parts.

Polished chrome is the result of a galvanic process that produces a surface finish that is very similar to a chrome surface finish. However, it is a shade darker, and in our opinion, the effect is all the more exquisite.

Due to the vast number of individual parts, it is not always possible to provide precise details about all the materials in the catalogue. However, if you need this information for a luminaire, we will be pleased to give you the exact material specifications.

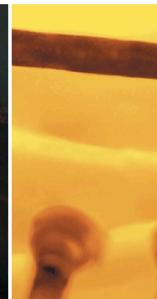
Apart from metallic surface finishes, many luminaires are also available with enamelled metal surface finishes e.g. in the colours white RAL 9010, brilliant white similar to RAL 9003, light grey RAL 7035 or white aluminium RAL 9006.

These metal surfaces are primed after pre-treatment, and then given a top coat of high-quality enamel.

Depending on the material of the luminaire parts, we can also supply the luminaires to special order in other surface finishes and colours. Please use the RAL table for any queries about colour.







Sand – Nature has provided us with an inexhaustible abundance of this material.

Glass is molten sand, both pure and natural, as it can be returned to nature in its entirety or also recycled as often as desired.

We do not know exactly when glass was first made. The earliest finds date back to 7000 BC. We only know that the oldest production of glass was closely connected with pottery.

It is a chance product that was created due to the heat in the kilns being too intense, causing the limey sand and soda to combine as a coloured glaze on the ceramics. It was only possible to produce glass without the ceramic base in 1500 BC.

The hardness, durability and colour of glass have inspired the creative spirit of man like no other material. And no other material has been as closely linked to our culture as long as glass. Pure and timeless, durable and beautiful, glass has accompanied man through the ages since time immemorial, and has decisively enriched life.

We have mastered the art of melting high-quality glass from sand and various additives. Our melting furnaces have a temperature of more than 1500 °C. Due to the aggressiveness of the glass, our melting tanks last some three to five years, which are then replaced.

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The raw materials react during the melting process and blend into a molten substance which is mixed almost completely and degassed. The glass, liquid like honey, flows through a bottom channel known as the throat, from the melting furnace into the working end, where it cools down to about 1200 °C and becomes viscous. And now the glassmakers can begin their work.

A speciality of GLASHÜTTE LIMBURG is three-ply cased opal glass.

The first stage in the production of this valuable glass involves removing the hot viscous glass from the crystal glass furnace. The post maker plunges his blowing iron with precision about 2-3 cm into the glass bath, and at the same time with turning movements winds a specific quantity of the viscous glass around the nose of the blowing iron. The blowing iron is withdrawn from the glass bath, separating the first glass post from the glass bath.

This somewhat shapeless glass mass is smoothed out around the axis of the blowing iron by turning and simultaneously pressing down with rotationally symmetrical movements on a roller plate to ensure that no uneven wall thicknesses are created during later processing. To blow this solid tough glass mass into a post, air is pressed into the blowing iron and the post maker seals the end of the iron immediately with his thumb. The warmed air expands but is prevented from escaping, and presses into the soft workable glass.





The post maker blows a small amount of air into the blowing iron with his mouth and the raw glass expands, reduces its wall thickness, cools down rapidly to about 600 °C and solidifies. During the cooling period, the blowing iron with its attached glass post is carried by the post carrier to the adjacent opal glass tank. Here the "caser" takes over the blowing iron with the post.

He very skilfully plunges the blowing iron with the post again a few centimetres into the opal glass. With constant rotations, he "winds" the opal glass around the crystal glass post and ensures that the glass is uniformly distributed. Rotating the glass at ever-increasing speed, he withdraws the blowing iron from the glass bath, tearing off the glass filament at the same time, and blocks the cased post in a wet wooden shaping block into a uniformly round shape. During this phase, the glass passes through a temperature range of 840 °C and tarnishes white. Carefully turning the iron, the post carrier carries it back with the glass to the crystal glass furnace. After a brief cooling period, he can hand over the "semi-finished glass piece" to the glassmaker, who now has to take the final amount of glass from the tank which is determined by the prescribed shape of the glass. It can range from 2-15 kg of glass, depending on the size of the glass shape. Careful attention must be paid to the specified weight and the distribution of the glass on the post. Too much glass causes problems in wall thickness, too little glass has a detrimental effect on the stability of the glass product.

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Square outlines and asymmetrical shapes require extremely high precision when the glass is withdrawn. Once removed, the glass post is blocked again in a much larger wet shaping block, evened out and accordingly "adjusted" to its final shape. This is the moment where skilful craftsmanship and highest concentration are vital, since this process has to be completed in just a few seconds. The hot, still workable glass is set in an iron mould which is closed and bolted by the mould operating assistant. At the same time, by pressure of breath or pneumatic air, the glassmaker blows the glass. When the glass touches the walls of the cast iron mould, it cools down very quickly to about 600 °C and solidifies. The mould is unbolted and the glass removed whilst still fused to the blowing iron.

To separate the glass from the blowing iron, a few drops of water are trickled onto the glass/metal joint using a wooden stick. The water hisses where the drops fall and chills the hot glass. Small cracks suddenly appear on the glass surface.

These cracks are sufficient to precisely separate the glass from the blowing iron in this area with one gentle knock.

This concludes the manufacturing and forming process of the raw glass.



LED wall luminaires with directed light

Luminous flux 250 · 500 Lumen

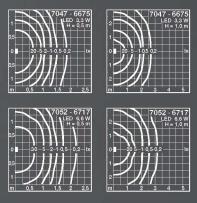
Luminaires with LED for different possible installation heights, ready for connection. Luminaires with compact dimensions in two sizes with different light output.

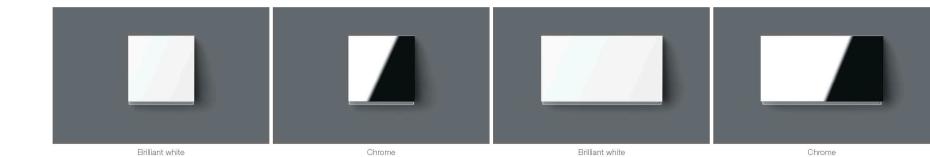
Luminaire housing made of die-cast aluminium with different finishes, optionally chrome plated or with white enamel coating.

As individual luminaires for marking danger areas or in rows for illuminating corridors and passageways in public and private areas.

The low connected load and the long service life of the LED make these luminaires extremely cost-effective devices with long service intervals.

All technical data are given in the instructions for use for these luminaires.





LED wall luminaires

Crystal glass, frosted Luminaire housing made of die-cast aluminium Surface finish options

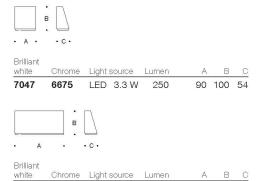
- Brilliant white enamel, similar to RAL 9003
- Chrome

7052

Integral power supply unit \cdot Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

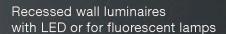
4000 K · Article number + K4



6717 LED 6.6 W 500

175 100 54





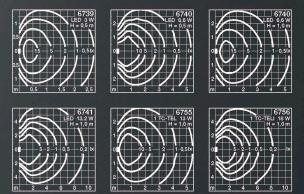
Recess depth 90 · 110 mm Luminous flux 175 - 1200 Lumen

Luminaires in three sizes with integral LED or for fluorescent lamps.

This new series of luminaires is the beginning of a modern chapter on the subject of »Light and Glass«. Our goal was to construct efficient wall lights that appeared to be all glass. Solid, expertly manufactured crystal glass is the only visible component of his luminaire series.

These luminaires are characterised by impressive, multi-faceted light graphics. Both the room and the installation surface are illuminated – which creates an extremely pleasant light ambience.

Luminaires for illuminating rooms, stairways and corridors. Everywhere where shallow projection, high light output and robustness are required. All technical data are given in the instructions for use for these luminaires.







Installation housings Plaster frames

•85• • 155 • • 195

Recessed wall luminaires with LED or for fluorescent lamps

Crystal glass, inside white Luminaire housing made of die-cast aluminium

With 2 cable entries for through-wiring.

6739 1 Cable entry

Luminaires for fluorescent lamps with integral electronic ballasts.

It may be advisable to use a installation housing to make the installation opening.

It is advisable to use plaster frames if luminaires are installed in masonry or concrete walls that are plastered afterwards.

Technical data, page 324.

6739 with LED 24 VDC for separate power supply unit \cdot Safety class III Technical data power supply unit, page 323.

6740 with LED · Integral power supply unit.

6741 with LED · Integral power supply unit · Dimmable 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + **K4**

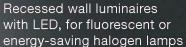


• B • B · C = Insta lation opening dimensions

| | Light sou | urce | Base | Lumen | A | В | O | Install housing | Plaster frame |
|------|-----------|----------|-----------|-------|-----|-----|-----|--------------------|------------------|
| 6739 | LED | 2.8 W | _ | 175 | 85 | 90 | 70 | 406 | 006 |
| 6740 | LED | 6.6 W | _ | 500 | 155 | 110 | 139 | 463 | 063 |
| 6741 | LED | 9.2 W | _ | 820 | 195 | 110 | 175 | 489 | 089 |
| 6755 | 1 TC-TE | ELI 13 W | GX 24 q-1 | 900 | 155 | 110 | 139 | 463 | 063 |
| 6756 | 1 TC-TE | ELI 18 W | GX 24 q-2 | 1200 | 195 | 110 | 175 | 489 | 089 |







Recess depth 105 · 115 mm Luminous flux 245 - 1200 Lumen Protection class IP 65

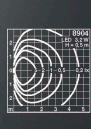
Our work is all about creating new lighting ideas and making continuous improvements to our glass art. This new series of luminaires is the beginning of a modern chapter on the subject of »Light and Glass«. Our goal was to construct efficient luminaires that appeared to be all glass. Approx. 20 mm solid, expertly manufactured crystal glass is the only visible component of this luminaire series. These luminaires are characterised by impressive, multi-faceted light graphics. Both the room and the installation surface are illuminated – which creates an extremely pleasant light ambience. Luminaires with shallow recess depths and a patented fastening system for easy and cost-efficient installation.

Luminaires in two sizes with integral LED for fluorescent or energy-saving halogen lamps.

Luminaires for illuminating rooms, stairways and corridors.

Everywhere where shallow projection, high light output and considerable robustness are required. Luminaires that are dust-proof and protected from water spray for use in circulation areas or bath/shower rooms.

All technical data are given in the instructions for use for these luminaires.















Plaster fram

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30 •

• 190 •

Recessed wall luminaires with LED, for fluorescent or halogen lamps

Protection class IP 65

Crystal glass, inside frosted, with thread Luminaire housing made of die-cast aluminium

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballast.

It may be advisable to use a installation housing to make the installation opening. It is advisable to use plaster frames if luminaires are installed in masonry or concrete walls that are plastered afterwards. Technical data, page 325.

 $8904 \cdot 8999$ with LED · Integral power supply unit.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4



B · C = Installation opening dimensions

| | Light source | | Base | Lumen | А | В | С | Install housing | Plaster frame |
|------|--------------|-------|-----------|-------|-----|-----|-----|--------------------|------------------|
| 8904 | LED | 3.2 W | _ | 245 | 130 | 115 | 120 | 781 | 081 |
| 8999 | LED | 6.5 W | | 400 | 190 | 105 | 175 | 486 | 086 |
| 8905 | 1 TC-TELI | 18 W | GX 24 q-2 | 1200 | 190 | 105 | 175 | 486 | 086 |
| 8902 | 1 QT 14 | 33 W | G 9 | 460 | 130 | 115 | 120 | 781 | 081 |
| 8903 | 1 QT 14 | 60 W | G 9 | 980 | 190 | 105 | 175 | 486 | 086 |







Recessed wall luminaires with LED or for fluorescent lamps

Recess depth 90 · 110 mm Luminous flux 175 - 4800 Lumen Protection class IP 65



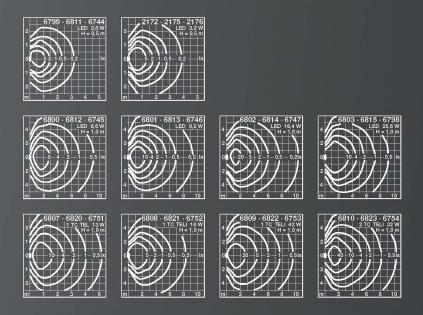
These recess-mounted luminaires from GLASHÜTTE LIMBURG have been important and successful light tools during planning work for years. With two additional material versions, the new frames retain the crystal glass and conceal the screws.

Luminaires in six sizes with integral LED or for fluorescent lamps. New in this product range is the use of LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, service life and choice of colour temperature are also impressive.

Luminaires for illuminating rooms, stairways and corridors.

Everywhere where shallow projection, high light output and considerable robustness are required. Luminaires that are dust-proof and protected from water spray for use in circulation areas or bath/shower rooms.

All technical data are given in the instructions for use for these luminaires.





Recessed wall luminaires with LED or for fluorescent lamps

Protection class IP 65

Crystal glass, inside white Luminaire housing made of die-cast aluminium Choice of sealing frame finish:

- White enamel RAL 9010
- Stainless steel
- Polished aluminium

With 2 cable entries for through-wiring.

2172 · 2175 · 2176 · 6799 · 6811 · 6744 1 Cable entry

Luminaires for fluorescent lamps with integral electronic ballast.

Luminaires for 42 W with base GX 24 q-3/4, also for 26 · 32 W

Luminaires for 32 W with base GX 24 q-3, also for 26 W

It may be advisable to use a installation housing to make the installation opening.

It is advisable to use plaster frames if luminaires are installed in masonry

or concrete walls that are plastered afterwards. Technical data, page 324.

6799 · 6811 · 6744 with LED 24 VDC for separate power supply unit · Safety class III Technical data power supply units, page 323.

 $2172 \cdot 2175 \cdot 2176 \cdot 6800 \cdot 6812 \cdot 6745 \,$ with LED \cdot Integral power supply unit.

 $6801 \cdot 6802 \cdot 6803 \cdot 6813 \cdot 6814 \cdot 6815 \cdot 6746 \cdot 6747 \cdot 6798 \ \ \text{with LED}$

Integral power supply unit · dimmable 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4



B · C = Installation opening dimensions

| White | S/steel | Polished aluminiu | l m Light so | urce | Base | Lumen | А | В | С | Install housing | Plaster frame |
|-------|---------|----------------------|-----------------|----------|--------------|-------|-----|-----|-----|--------------------|------------------|
| 6799 | 6811 | 6744 | LED | 2.8 W | | 175 | 85 | 90 | 70 | 406 | 006 |
| 2172 | 2175 | 2176 | LED | 3.2 W | _ | 245 | 100 | 110 | 92 | 782 | 082 |
| 6800 | 6812 | 6745 | LED | 6.6 W | - | 500 | 155 | 110 | 139 | 463 | 063 |
| 6801 | 6813 | 6746 | LED | 9.2 W | | 820 | 195 | 110 | 175 | 489 | 089 |
| 6802 | 6814 | 6747 | LED | 16.4 W | · | 1440 | 255 | 110 | 230 | 490 | 090 |
| 6803 | 6815 | 6798 | LED | 25.6 W | _ | 2260 | 305 | 110 | 280 | 492 | 092 |
| 6807 | 6820 | 6751 | 1 TC-T | ELI 13 W | GX24q-1 | 900 | 155 | 110 | 139 | 463 | 063 |
| 6808 | 6821 | 6752 | 1 TC-T | ELI 18 W | GX 24 q-2 | 1200 | 195 | 110 | 175 | 489 | 089 |
| 6809 | 6822 | 6753 | 1 TC-T | ELI 42 W | GX 24 q-3/4 | 3200 | 255 | 110 | 230 | 490 | 090 |
| 6810 | 6823 | 6754 | 2 TC-T | ELI 32 W | GX24q-3 | 4800 | 305 | 110 | 280 | 492 | 092 |











Recessed wall luminaires with LED or for fluorescent lamps

Recess depth 90 -115 mm Luminous flux 175 - 2400 Lumen Protection class IP 65

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These recess-mounted luminaires from GLASHÜTTE LIMBURG have been important and successful light tools during planning work for years. With one additional material version available, the new frames retain the crystal glass and conceal the screws.

Luminaires in five sizes with integral LED or for fluorescent lamps.

New in this product range is the equipement with LED. Unlike conventional lamps, LED emit the majority

of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

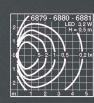
Luminaires for illuminating rooms, stairways and corridors.

Everywhere where shallow projection, high light output and considerable robustness are required. Luminaires that are dust-proof and protected from water spray for use in circulation areas or bath/shower rooms.

All technical data are given in the instructions for use for these luminaires.







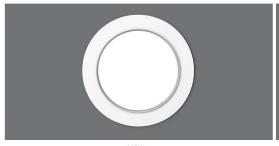
















White Stainless steel Polished aluminium

Recessed wall and ceiling luminaires with LED or for fluorescent lamps

Protection class IP 65

Crystal glass, inside white Luminaire housing made of die-cast aluminium Choice of sealing ring finish:

- White enamel RAL 9010
- Stainless steel
- Polished aluminium

With 2 cable entries for through-wiring.

6830 · 6824 · 6836 1 Cable entry

Luminaires for fluorescent lamps with integral electronic ballast.

Luminaires for 32 W with base GX 24 q-3, also for 26 W

It may be advisable to use a installation housing to make the installation opening. It is advisable to use plaster frames if luminaires are installed in masonry or concrete walls that are plastered afterwards. Technical data, page 325.

 $6830 \cdot 6824 \cdot 6836~$ with LED 24 VDC for power supply unit \cdot Safety class III

Technical data power supply units, page 323.

 $6879 \cdot 7793 \cdot 6880 \cdot 7780 \cdot 6881 \cdot 6837$ with LED · Integral power supply unit.

 $7794 \cdot 6831 \cdot 7783 \cdot 6825 \cdot 6838 \cdot 6840 \ \ \text{with LED} \cdot \text{Integral power supply unit} \cdot \text{Dimmable 1-10V}.$

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



 $B \cdot C$ = Installation opening dimensions

Installation housings Plaster frames

| White | S/steel | Polishec aluminiu | l m Light so | urce | Base | Lumen | А | В | С | Install housing | Plaster frame |
|-------|---------|----------------------|-----------------|----------|----------|-------|-----|-----|-----|--------------------|------------------|
| 6830 | 6824 | 6836 | LED | 2.8 W | | 175 | 80 | 90 | 71 | 415 | 015 |
| 6879 | 6880 | 6881 | LED | 3.2 W | : | 245 | 130 | 115 | 120 | 781 | 081 |
| 7793 | 7780 | 6837 | LED | 6.5 W | _ | 400 | 190 | 105 | 175 | 486 | 086 |
| 7794 | 7783 | 6838 | LED | 9.2 W | _ | 820 | 250 | 105 | 230 | 487 | 087 |
| 6831 | 6825 | 6840 | LED | 16.4 W | _ | 1440 | 300 | 115 | 280 | 491 | 091 |
| 8057 | 7928 | 6844 | 1 TC-T | ELI 13 W | GX24q-1 | 900 | 190 | 105 | 175 | 486 | 086 |
| 8060 | 7787 | 6845 | 1 TC-T | ELI 26 W | GX24 q-3 | 1800 | 250 | 105 | 230 | 487 | 087 |
| 6835 | 6829 | 6846 | 1 TC-T | ELI 32 W | GX24q-3 | 2400 | 300 | 115 | 280 | 491 | 091 |



Luminous flux 400 - 4800 Lumen
Protection class IP 44









Stainless steel

Recessed ceiling and wall luminaires with LED, for fluorescent or halogen lamps Protection class IP 44

Hand-blown opal glass, satin matt, with thread Luminaire housing made of die cast aluminium Surface finish options

- White enamel RAL 9010
- Stainless steel

With 2 cable entries for through-wiring.

Suitable aluminium installation housings for placing in concrete can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with $26\,\text{W}$ lamps.

LED luminaires with intergral power supply unit.

2178 · 2179 · 6778 · 6770

 $6779\cdot 6771\cdot 6780\cdot 6772\,$ power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4





B · C = Installation opening dimensions

| White | S/steel | Light so | urce | Base | Lumen | Α | В | С | Install housing |
|-------|---------|----------|----------|-------------|-------|-----|-----|-----|--------------------|
| 6777 | 6769 | LED | 6.5 W | s | 400 | 195 | 110 | 184 | 5098 |
| 2178 | 2179 | LED | 9.2 W | _ | 820 | 220 | 110 | 207 | 5113 |
| 6778 | 6770 | LED | 13.8 W | - | 1230 | 245 | 110 | 235 | 5099 |
| 6779 | 6771 | LED | 18.4 W | _ | 1640 | 340 | 110 | 330 | 5100 |
| 6780 | 6772 | LED | 32.8 W | _ | 2880 | 430 | 110 | 415 | 5101 |
| 8779 | 6774 | 1 TC-T | ELI 26 W | GX 24 q-3 | 1800 | 245 | 110 | 235 | 5099 |
| 8780 | 6775 | 1 TC-T | ELI 42 W | GX 24 q-3/4 | 3200 | 340 | 110 | 330 | 5100 |
| 8781 | 6776 | 2 TC-T | ELI 32 W | GX 24 q-3 | 4800 | 430 | 110 | 415 | 5101 |
| 8778 | 6773 | 1 QT 1 | 4 33 W | G 9 | 460 | 195 | 110 | 184 | 5098 |







Recessed ceiling and wall luminaires with LED, for fluorescent or halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt, with thread Luminaire housing made of die cast aluminium With 2 cable entries for through-wiring.

Suitable aluminium installation housings for placing in concrete can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with 26 \cdot 32 W lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.

LED luminaires with integral power supply unit.

2177 · 6758 · 6759 · 6760 power supply unit dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + **K4**



B · C = Installation opening dimensions

| | Light source | Э | Base | Lumen | Α | В | С | Install housing |
|------|--------------|--------|-------------|-------|-----|-----|-----|--------------------|
| 6757 | LED | 6.5 W | _ | 400 | 155 | 90 | 142 | 5097 |
| 2177 | LED | 9.2 W | _ | 820 | 210 | 95 | 194 | 5114 |
| 6758 | LED | 13.8 W | - | 1230 | 240 | 100 | 215 | 5060 |
| 6759 | LED | 18.4 W | _ | 1640 | 330 | 100 | 305 | 5061 |
| 6760 | LED | 32.8 W | _ | 2880 | 420 | 100 | 395 | 5059 |
| 8785 | 1 TC-TEL | 1 26 W | GX 24 q-3 | 1800 | 240 | 100 | 215 | 5060 |
| 8786 | 1 TC-TEL | 42 W | GX 24 q-3/4 | 3200 | 330 | 100 | 305 | 5061 |
| 8787 | 2 TC-TEL | 32 W | GX 24 q-3 | 4800 | 420 | 100 | 395 | 5059 |
| 8777 | 1 QT 14 | 33 W | G 9 | 460 | 155 | 90 | 142 | 5097 |





Recessed ceiling and wall luminaires with LEDs or for fluorescent and energy-saving halogen lamps

Recess depth 90 · 100 mm Luminous flux 400 - 4800 lumen Protection class IP 44

Luminaires with integral LEDs or for fluorescent lamps and energy-saving halogen lamps. Despite having the same lumen ratings, the luminous efficiency of LED luminaires is significantly higher than that of conventional lamps. The LEDs emit the majority of the light in the desired direction, like mini-floodlights. Their dimming ability, service life and choice of colour temperature are also impressive.

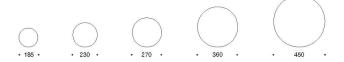
The entire product range is characterised by its high light output and its extremely low recess depth.

Five luminaire sizes with different light outputs means they can be matched to the particular room situation. The wide range of possible uses is enhanced by the IP 44 protection class.

An easy-to-use mounting system makes installation quick, cost-effective and convenient.

A polished, precise frame in stainless steel and the hand-blown, three-ply opal glass conceal the installation opening and, despite the very low projection, illuminate the room and the installation surface uniformly, while appearing to float in the air.

All the technical data can be found in the instructions for use for these luminaires





Recessed ceiling and wall luminaires with LED, for fluorescent or halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt, with thread Luminaire housing made of die cast aluminium Surface finish options polished stainless steel ring With 2 cable entries for through-wiring.

Ceiling frame ring with polished stainless steel surface can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with 26·32 W lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.

LED luminaires with integral power supply unit.

2282 · 2283 · 2284 · 2285 power supply unit dimmable 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + **K4**





| B · C = Installation opening dimer | sions |
|------------------------------------|-------|
| | |

| | Light so | urce | Base | Lumen | Α | В | C | D | Install housing |
|------|----------|----------|-------------|-------|-----|-----|-----|-----|--------------------|
| 2281 | LED | 6.5 W | | 400 | 155 | 90 | 142 | 185 | 5097 |
| 2282 | LED | 9.2 W | _ | 820 | 200 | 95 | 194 | 230 | 5114 |
| 2283 | LED | 13.8 W | 1—1 | 1230 | 240 | 100 | 215 | 270 | 5060 |
| 2284 | LED | 18.4 W | _ | 1640 | 330 | 100 | 305 | 360 | 5061 |
| 2285 | LED | 32.8 W | - | 2880 | 420 | 100 | 395 | 450 | 5059 |
| 2288 | 1 TC-T | ELI 26 W | GX 24 q-3 | 1800 | 240 | 100 | 215 | 270 | 5060 |
| 2289 | 1 TC-T | ELI 42 W | GX 24 q-3/4 | 3200 | 330 | 100 | 305 | 360 | 5061 |
| 2290 | 2 TC-T | ELI 32 W | GX24 q-3 | 4800 | 420 | 100 | 395 | 450 | 5059 |
| 2291 | 1 QT 1 | 4 33 W | G 9 | 460 | 155 | 90 | 142 | 185 | 5097 |





»DUATA« Recessed ceiling luminaires with LED, for fluorescent or energy-saving halogen lamps

Recess depth 100-140 mm Luminous flux 1200-6400 lumen

Recessed ceiling luminaire with dual lighting technology, high light output and shallow recess depth.

Luminaires with integral LED, for fluorescent or energy-saving halogen lamps.

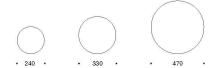
New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive. Three luminaire sizes with different light output makes it possible to adapt to the respective

Luminaires with a downlight and ambient lighting effect.

This technology provides high visual comfort and important lighting levels.

Each luminaire has two independently operating separate light sources. The ambient light source, the downlight or both can be optionally used.

An easy to handle fixing system makes installation quick, cost-effective and user-friendly. All technical data are given in the instructions for use for these luminaires.



Recessed ceiling luminaires with LED, for fluorescent or halogen lamps

Hand-blown opal glass, satin matt, with thread Reflector made of pure high-gloss anodised aluminium Luminaire housing made of die cast aluminium

With 2 cable entries for through-wiring.

Suitable aluminium installation housings for placing in concrete are available for luminaires $8722 \cdot 8725 \cdot 8851 \cdot 8852 \cdot 8888$. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent lamps with integral electronic ballasts.

LED luminaires with integral power supply units.

 $8722 \cdot 8725$ dimmable from 1-10 V, with connectors.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



 $\mathsf{B}\cdot\mathsf{C} = \mathsf{Installation} \ \mathsf{opening} \ \mathsf{dimensions}$

| | Light source | Base | Lumen | Α | В | С | D | Install housing |
|------|----------------------------|-------------------|-------|-----|-----|-----|----|--------------------|
| 8888 | LED 11.0 W+LED 6.5 W | - | 1200 | 240 | 100 | 215 | 30 | 5060 |
| 8722 | LED 18.0 W+LED 9.0 W | _ | 2220 | 330 | 100 | 305 | 50 | 5061 |
| 8725 | LED 39.6 W+LED 26.0 W | _ | 5000 | 470 | 100 | 395 | 70 | 5059 |
| 8851 | 1 T16R 22 W+1 QT 32 70 W | 2 GX 13+E 27 | 2980 | 330 | 100 | 305 | 50 | 5061 |
| 8852 | 1 T16R 40 W+1 QT 32 100 W | 2 GX 13+E 27 | 5000 | 470 | 100 | 395 | 70 | 5059 |
| 8928 | 1 T16R 22 W+1 TC-TELI 26 W | 2 GX 13+GX 24 q-3 | 3600 | 330 | 120 | 305 | 50 | _ |
| 8929 | 1 T16R 40 W+1 TC-TELI 42 W | 2 GX 13+GX 24 q-4 | 6400 | 470 | 140 | 395 | 70 | _ |



Recessed ceiling and wall luminaires with LED, for fluorescent or energy-saving halogen lamps

Recess depth 90 · 100 mm Luminous flux 400 - 4800 lumen Protection class IP 44

Luminaires with integral LED, for fluorescent or energy-saving halogen lamps.

New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

Five luminaire sizes with different light output make it possible to adapt to the respective room situation. The wide range of possible uses is enhanced by the IP 44 protection class.

An easy to handle fixing system makes installation quick, cost-effective and convenient.

The hand-blown three-ply opal glass diffuses the light evenly in the room and onto the wall.

Luminaires with a high level of visibility provide a good illumination level.

All technical data are given in the instructions for use for these luminaires.









Polished aluminium

Recessed ceiling and wall luminaires with LED, for fluorescent or halogen lamps

Protection class IP 44

Hand-blown opal glass with thread Luminaire housing made of die cast aluminium Surface finish options

- White enamel RAL 9010
- Polished aluminium

With 2 cable entries for through-wiring.

Suitable aluminium installation housings for placing in concrete can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,W$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with $26\,W$ lamps.

LED luminaires with integral power supply unit.

2180 · 2181 · 6766 · 6762

 $6767\cdot6763\cdot6768\cdot6764\,$ power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4





 $\mathsf{B} \cdot \mathsf{C} = \mathsf{Installation} \ \mathsf{opening} \ \mathsf{dimensions}$

| White | Polished aluminit | d um Light so | urce | Base | Lumen | А | В | С | Install housing |
|----------------------|----------------------|----------------------------|----------|---------------------------------------|----------------------|-------------------|-------------------|-------------------|----------------------|
| 6765 | 6761 | LED | 6.5 W | . _ | 400 | 150 | 90 | 142 | 5097 |
| 2180 | 2181 | LED | 9.2 W | - | 820 | 200 | 95 | 194 | 5114 |
| 6766 | 6762 | LED | 13.8 W | - | 1230 | 230 | 100 | 215 | 5060 |
| 6767 | 6763 | LED | 18.4 W | _ | 1640 | 320 | 100 | 305 | 5061 |
| 6768 | 6764 | LED | 32.8 W | O | 2880 | 410 | 100 | 395 | 5059 |
| 7978 8366 8650 | 7981 8088 8093 | 1 TC-T 1 TC-T 2 TC-T | ELI 42 W | GX 24 q-3 GX 24 q-3/4 GX 24 q-3 | 1800 3200 4800 | 230 320 410 | 100 100 100 | 215 305 395 | 5060 5061 5059 |
| 8776 | 8775 | 1 QT 1 | 4 33 W | G 9 | 460 | 150 | 90 | 142 | 5097 |





Recessed ceiling luminaires · Downlights with LED, for fluorescent, energy-saving halogen or discharge lamps

Recess depth 105 · 115 mm Luminous flux 400 - 1800 lumen Protection class IP 65

Permanent development of our new lighting ideas and improvement of our glass craftsmanship are subject to our profession. This new series of luminaires are the beginning of a modern chapter on the subject of »Light and Glass«. Our goal was to construct efficient downlights that appeared to be all glass. 20 mm solid, expertly manufactured crystal glass is the only visible component of these light fixtures. These luminaires are characterised by impressive, multi-faceted light graphics. Both the room and the surrounding surface are illuminated – which creates an extremely pleasant light ambience.

Luminaires in two sizes with integral LED, for fluorescent, energy-saving halogen or discharge lamps.

For illuminating rooms, stairways and corridors in which shallow projection and high light output are required. Luminaires that are dust-proof and protected from water spray for use in rooms such as circulation areas or bath/shower rooms.

All technical data are given in the instructions for use for these luminaires.



Recessed ceiling luminaires \cdot Downlights with LED, for fluorescent, halogen or discharge lamps

Protection class IP 65

Crystal glass, partially frosted, with thread Reflector made of pure anodised aluminium Luminaire housing made of die cast aluminium

With 2 cable entries for through-wiring.

Suitable aluminium installation housings for placing in concrete can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent or discharge lamps with integral electronic ballasts.

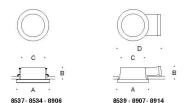
LED luminaires with integral power supply unit.

8539 power supply unit, dimmable 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4



| | Light source | | Base | Lumen | Α | В | C | D | housing |
|--------------|--------------------|-----------------|------------|------------|------------|------------|------------|-----|------------|
| 8537 8539 | LED LED | 6.5 W 13.0 W | = | 400 945 | 130 190 | 115 105 | 120 175 | 300 | 781 776 |
| 8907 | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 190 | 105 | 175 | 300 | 776 |
| 8534 8906 | 1 QT 14 1 QT 14 | 33 W 60 W | G 9 G 9 | 460 980 | 130 190 | 115 105 | 120 175 | - | 781 486 |
| 8914 | 1 HIT-TC-CE | 20 W | GU 6.5 | 1700 | 190 | 105 | 175 | 300 | 776 |



 $\mathsf{B} \cdot \mathsf{C} = \mathsf{Installation} \ \mathsf{opening} \ \mathsf{dimensions}$





Recessed LED ceiling luminaires · Downlights

Installation depth 107 mm Luminous flux 1900 · 2545 lumen

A new group of LED downlights in two sizes and three different materials. These compact luminaires are characterised by their high light outputs and low recess depth.

The thick-walled precious crystal glass lies almost level with the installation surface.

These near-flush recessed luminaires can therefore be used to create a gentle, harmonious ceiling surface design while ensuring high light outputs.

When switched on, the downlights reveal all the beauty of their materials.

Economic lighting tools with great illumination efficiency.



LED Recessed ceiling luminaires · Downlights

Crystal glass, partially frosted, with thread Luminaire housing made of die cast aluminium

Surface finish options

- White enamel RAL 9010
- Polished stainless steel

Power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + **K4**



B · C = Installation opening dimensions

| White | Polished S/steel | Light so | urce | Base | Lumen | Α | В | С |
|-------|---------------------|----------|--------|------|-------|-----|-----|-----|
| 2218 | 2294 | LED | 19,5 W | | 1900 | 165 | 107 | 153 |
| 2219 | 2295 | LED | 26,0 W | _ | 2545 | 220 | 107 | 207 |







Recessed ceiling luminaires \cdot Downlights with LED, for fluorescent, energy-saving halogen or discharge lamps

Recess depth 90 - 235 mm Luminous flux 240 - 3500 lumen Protection class IP 64

Luminaires in five sizes with integral LED, for fluorescent, energy-saving halogen or discharge lamps.

New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps.

The service life, dimmability and choice of colour temperature are also impressive. The different dimensions of the luminaires make it possible to find solutions for many lighting tasks.

Multi purpose luminaires which allow to achieve a narrow – or wide beam light distribution, depending on the light source that is used.

The internal partially frosted finish of the crystal glass reduces the lateral glare of the lamp in an optimal way.

Part of the light is deflected to the ceiling by the solid glass at the sides and provides additional visual convenience.

The perfect fixing system provides the luminaires with vibration-proof installation in suspended ceilings with a material thickness of up to 50 mm.

All technical data are given in the instructions for use for these luminaires.





Recessed ceiling luminaires · Downlights with LED, for fluorescent, low-voltage halogen, halogen or discharge lamps

Protection class IP 64

Crystal glass, partially frosted Reflector made of pure anodised aluminium Luminaire housing made of die cast aluminium Surface finish options

- White enamel RAL 9010
- Stainless steel
- Polished stainless steel

With 2 cable entries for through-wiring.

 $8919 \cdot 8918 \cdot 6898 \cdot 7955$

 $7957 \cdot 6902 \cdot 7956 \cdot 7958 \cdot 6903 \ \ 1 \ \text{cable entry}$

 $7955 \cdot 7957 \cdot 6902 \cdot 7956 \cdot 7958 \cdot 6903$ safety class III \cdot without transformer

Suitable aluminium installation housings for placing in concrete can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 325.

Luminaires for fluorescent or discharge lamps with integral electronic ballasts.

8918 · 8919 · 6898 with 24 V DC LED for separate power supply unit Safety class III · Technical data power supply units, page 323.

 $8326 \cdot 8327 \cdot 6899 \cdot 8352$

 $8360\cdot 6900\cdot 8348\cdot 8349\cdot 6901~$ with LED \cdot with integral power supply unit.

 $8348 \cdot 8349 \cdot 6901\,$ power supply unit dimmable 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4



 $B \cdot C$ = Installation opening dimensions









| White | S/steel | Polished S/steel | Light source | | Base | Lumen | А | В | <u> </u> | Install housing |
|--|--|--|---|---|--|--|---------------------------------------|--------------------------------------|-------------------------------------|--|
| 8919 | 8918 | 6898 | LED | 4.0 W | - | 245 | 80 | 90 | 71 | 411 |
| 8326 | 8327 | 6899 | LED | 6.5 W | | 400 | 110 | 145 | 97 | 440 |
| 8352 | 8360 | 6900 | LED | 13.0 W | 1-1 | 945 | 145 | 155 | 128 | 441 |
| 8348 | 8349 | 6901 | LED | 30.0 W | - | 2300 | 220 | 235 | 202 | 443 |
| 7712 7690 7684 | 7065 7059 7056 | 6908 6909 6910 | 1 TC-TEL 1 TC-TELI 1 TC-TELI | 13 W 18 W 26 W | GX24q-1 GX24q-2 GX24q-3 | | 145 175 220 | 185 210 235 | 128 160 202 | 441 442 443 |
| 7955 7956 7733 7727 7805 7818 | 7957 7958 7659 7545 7815 7822 | 6902 6903 6904 6905 6906 6907 | 1 QT 9-ax 1 QT 12-ax 1 QT 14 1 QT 14 1 QT 32 1 QT 32 | 14 W 35 W 48 W 60 W 70 W 100 W | G 4 GY 6.35 G 9 G 9 E 27 E 27 | 240 860 740 980 1180 1800 | 80 110 110 145 175 220 | 90 95 145 155 210 210 | 71 97 97 128 160 202 | 411 440 440 441 442 443 |
| 8818 8819 | 8816 8817 | 6911 6912 | 1 HIT-TC-CE 1 HIT-TC-CE | 20 W 35 W | GU 6.5 G 8.5 | 1700 3500 | 175 220 | 210 235 | 160 202 | 442 443 |





Recessed ceiling luminaires · Downlights for fluorescent and energy-saving halogen lamps

Recess depth 90 · 100 mm Luminous flux 590 - 2870 lumen

Recessed luminaires in five sizes for installation in suspended ceilings with low depths. An easy to handle fixing system makes installation quick, cost-effective and user-friendly.

Luminaires with high-quality reflectors made of pure aluminium and handblown opal glass. The reflectors direct the majority of the light downwards and generate a high horizontal lighting level.

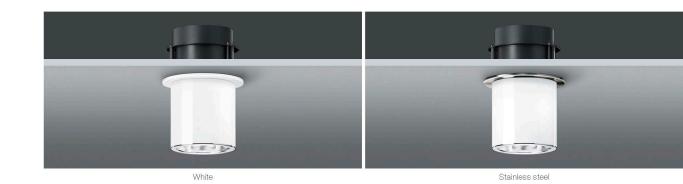
The remaining amount of light is deflected by the opal glass and provides vertical illumination intensity.

This dual effect of this luminaire range creates highest visual comfort.

The different dimensions and light output ranges allow many lighting tasks to be solved within one luminaire range. For illuminating rooms, stairways and corridors.

Suitable surface-mounted ceiling luminaires can be found on page 50.

All technical data are given in the instructions for use for these luminaires.



Recessed ceiling luminaires · Downlights for fluorescent and halogen lamps

Hand-blown opal glass with thread

Reflector made of pure anodised aluminium with integral louvre

Recessed mounted luminaires with metal housing

Surface finish options

- White enamel RAL 9010
- Stainless steel

Suitable for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.



 $C \cdot D$ = Installation opening dimensions

| White | S/steel | Light source | 3 | Base | Lumen | Α | В | С | D | Ε |
|-------|---------|--------------|-------|-----------|-------|-----|-----|-----|-----|-----|
| 8399 | 8404 | 1 TC-DEL | 13 W | G24q-1 | 900 | 110 | 142 | 127 | 90 | 136 |
| 8400 | 8405 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 130 | 150 | 150 | 100 | 165 |
| 8401 | 8406 | 1 TC-TELI | 32 W | GX 24 q-3 | 2400 | 150 | 150 | 170 | 100 | 185 |
| 8461 | 8466 | 1 QT 18 | 40 W | B15d | 590 | 70 | 90 | 86 | 90 | 96 |
| 8462 | 8467 | 1 QT 32 | 70 W | E 27 | 1180 | 95 | 117 | 112 | 90 | 128 |
| 8463 | 8468 | 1 QT 32 | 70 W | E 27 | 1180 | 110 | 120 | 127 | 90 | 136 |
| 8464 | 8469 | 1 QT 32 | 100 W | E 27 | 1800 | 130 | 126 | 150 | 100 | 165 |
| 8465 | 8470 | 1 QT 32 | 150 W | E 27 | 2870 | 150 | 150 | 170 | 100 | 185 |





LED recessed ceiling luminaires · Downlights

Recess depth 120 · 145 mm Luminous flux 400 - 1550 lumen

We have developed these recessed ceiling luminaires especially for our new LED. Unlike conventional lamps, the LED in this construction do not have additional reflectors. On the contrary, the LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps.

They are luminaires with a large proportion of downlight and a small proportion of vertical light. The vertical light brightens the glass and the immediate vicinity of the installation surface and the uniformity of the light provides a pleasant light atmosphere.

An easy to handle fixing system makes installation quick, cost-effective and user-friendly in suspended ceilings with low depths.

All technical data are given in the instructions for use for these luminaires.



o O C

LED recessed ceiling luminaires · Downlights

Hand-blown opal glass with thread Recessed mounted luminaires with metal housing

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Polished stainless steel

Suitable for through-wiring.

Integral power supply unit · colour temperature 3000 K.

Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



C · D = Installation opening dimensions

| White | S/steel | Polished S/steel | Light source | Lumen | А | В | С | D | Е |
|-------|---------|---------------------|--------------|-------|-----|-----|-----|-----|-----|
| 6882 | 6685 | 2067 | LED 6.5 W | 400 | 70 | 65 | 86 | 120 | 96 |
| 6883 | 6686 | 2068 | LED 13.0 W | 945 | 95 | 85 | 112 | 120 | 128 |
| 6884 | 6885 | 2069 | LFD 196W | 1550 | 110 | 102 | 127 | 145 | 136 |





Recessed ceiling luminaires · Downlights for fluorescent and energy-saving halogen lamps

Recess depth 90 · 100 mm Luminous flux 820 - 2870 lumen



Recessed luminaires in three sizes with different light output. Luminaires for installation in suspended ceilings with shallow depths. An easy to handle fixing system makes installation quick, cost-effective and user-friendly.

A series of downlight with dual lighting technology. The unit consisting of the reflector and the louvre splits the light of the light source up into a main downlight with a high illumination intensity level directly beneath the luminaire and a smaller amount of unshielded light that also brightens the room. Satin matt crystal glass with a light-diffusing texture provides a high degree of visual comfort.

All technical data are given in the instructions for use for these luminaires.





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age 242



Recessed ceiling luminaires · Downlights for fluorescent and halogen lamps

Crystal glass with a light-diffusing texture, satin matt, with thread Reflector made of pure high-gloss anodised aluminium

8471 with integral louvre

Recessed mounted luminaires with metal housing

Ceiling frame ring made of

Stainless steel

Suitable for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.



C · D = Installation opening dimensions

| 1 | Light source | Base | Lumen | А | В | С |) <u>E</u> |
|----------------------|--|---------------------|---------------------|---|----------|-------------------------|------------|
| 8376 8377 | 1 TC-TELI 18 W 1 TC-TELI 32 W | GX24q-2 GX24q-3 | | | | 112 9 150 10 | |
| 8471 8472 6656 | 1 QT 26 60 W 1 QT 32 100 W 1 QT 32 150 W | E14 E 27 E 27 | 820 1800 2870 | | 32 E C76 | 86 9 112 9 150 10 | 128 |







Recessed ceiling lights · Downlights with LED, for fluorescent, energy-saving halogen or discharge lamps

Recess depth 90 - 120 mm Luminous flux 400 - 6700 lumen

Luminaires with integral LED, for fluorescent, energy-saving halogen or discharge lamps. New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive.

Optionally with **symmetrical** or **asymmetrical** light distribution. The infinitely variable rotatability of the asymmetrical luminaire glasses allows the luminaire to be directed at the different illumination situations.

Luminaires with hand-blown glass elements made of three-ply opal glass in the form of precisely calculated parabolic reflectors. The light is reflected by the white inner surface and directed directly at the surface to be illuminated.

Unlike metal reflectors, part of the light penetrates the satin matt opal glass body and is distributed softly and uniformly as unshielded light. Luminaires that are impressive by their light effect, their technology and the high degree of visual comfort.

Suitable surface-mounted ceiling luminaires can be found on page 56, and suitable pendant luminaires on page 240.

All technical data are given in the instructions for use for these luminaires.





Page 56 Page 240

Recessed ceiling luminaires \cdot Downlights with LED, for fluorescent, halogen or discharge lamps

Hand-blown opal glass, satin matt, with thread Luminaire housing and ceiling frame ring made of metal

• White aluminium enamel RAL 9006

Suitable for through-wiring.

Luminaires for fluorescent or discharge lamps with integral electronic ballasts.
Luminaires for 42 W fluorescent lamps can also be operated with 26·32 W lamps.

LED luminaires with integral power supply unit. Colour temperature 3000 K.
Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4



C · D = Installation opening dimensions

| Symm | Symmetrical light distribution | | | | | | | | | | | |
|------|--------------------------------|--------|-------------|-------|-----|-----|-----|-----|-----|--|--|--|
| | Light source |) | Base | Lumen | А | В | С | D | Е | | | |
| 6689 | LED | 6.5 W | _ | 400 | 140 | 114 | 86 | 120 | 96 | | | |
| 6690 | LED | 13.0 W | | 945 | 185 | 150 | 112 | 120 | 128 | | | |
| 8479 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 185 | 150 | 112 | 90 | 128 | | | |
| 8480 | 1 TC-TELI | 32 W | GX 24 q-3 | 2400 | 220 | 175 | 127 | 90 | 136 | | | |
| 6658 | 1 TC-TELI | 42 W | GX 24 q-3/4 | 3200 | 260 | 220 | 150 | 100 | 165 | | | |
| 8476 | 1 QT 26 | 60 W | E 14 | 820 | 140 | 114 | 86 | 90 | 96 | | | |
| 8477 | 1 QT 32 | 70 W | E 27 | 1180 | 185 | 150 | 112 | 90 | 128 | | | |
| 8478 | 1 QT 32 | 100 W | E 27 | 1800 | 220 | 175 | 127 | 90 | 136 | | | |
| 6657 | 1 QT 32 | 150 W | E 27 | 2870 | 260 | 220 | 150 | 100 | 165 | | | |
| 6659 | 1 HIE-CE | 70 W | E 27 | 6700 | 260 | 220 | 150 | 100 | 165 | | | |

| Asym | metrical ligh | t distrib | ution · infini | tely rotata | ble | | | | |
|------|----------------------|-----------|----------------|-------------|-----|-----|-----|-----|-----|
| | Light source | | Base | Lumen | А | В | С | D | Е |
| 6691 | LED | 6.5 W | N | 400 | 105 | 162 | 86 | 120 | 96 |
| 6692 | LED 1 | 13.0 W | _ | 945 | 140 | 215 | 112 | 120 | 128 |
| 8475 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 140 | 215 | 112 | 90 | 128 |
| 8473 | 1 QT 26 | 60 W | E14 | 820 | 105 | 162 | 86 | 90 | 96 |
| 8474 | 1 OT 32 | 70 W | F 27 | 1180 | 140 | 215 | 112 | 90 | 128 |





Recessed ceiling luminaires with LED or for fluorescent lamps

Recess depth
Luminous flux
205 - 6400 lumen
Protection class
IP 65 · IP 20

These recessed luminaires from GLASHÜTTE LIMBURG have been important and successful light tools during planning work for years. The new trim rings cover the frames which retain the glass and conceal the screws.

Luminaires in five sizes with integral LED or for fluorescent lamps. New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight.

In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps.

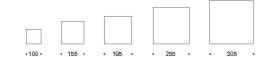
The dimmability, the service life and the choice of colour temperature are also impressive. Luminaires with shallow recess depths and a patented fastening system – EP 0686 806 – for easy and cost-efficient installation. The different dimensions and light output of the luminaires allow many lighting tasks to be solved within one luminaire range.

Luminaires with wide light distribution for illuminating rooms, stairways and corridors.

Everywhere where shallow projection, high light output and considerable robustness are required. Luminaires that are dust-proof and protected from water spray for use in areas such as circulation or bath/shower rooms.

All technical data are given in the instructions for use for these luminaires.







Recessed ceiling luminaires with LED or for fluorescent lamps

Protection class IP 65

6886 · 6887 · 6889 · 6890 · 6892 · 6893 Protection class IP 20

Crystal glass, inside white

Luminaire and glass frame made of die cast aluminium

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Polished aluminium

With 2 cable entries for through-wiring.

Suitable aluminium installation housings for placing in concrete can be found in the table. The installation housings are accessories and must be ordered separately. Technical data, page 324.

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with 26 · 32 W lamps.

 $2160 \cdot 2161 \cdot 2164 \cdot 2169 \cdot 2170 \cdot 2171$ LED luminaires with integral power supply unit

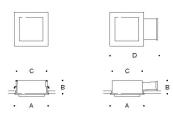
6886 · 6887 · 6888 · 6889 · 6890 · 6891 · 6892 · 6893 · 6894

LED luminaires with integral power supply unit, dimmable from 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4



| White | S/steel | Polished aluminiu | f m Light so | urce | Base | Lumen | А | В | C | D | Install housing |
|-------|---------|----------------------|-----------------|-----------|--------------|-------|-----|-----|-----|-----|--------------------|
| 2160 | 2164 | 2170 | LED | 2.1 W | = | 205 | 100 | 100 | 92 | - | 782 |
| 2161 | 2169 | 2171 | LED | 4.2 W | _ | 410 | 155 | 110 | 139 | _ | 463 |
| 6886 | 6889 | 6892 | LED | 9.5 W | _ | 700 | 195 | 100 | 175 | 255 | 416 |
| 6887 | 6890 | 6893 | LED | 24.5 W | _ | 1670 | 255 | 115 | 230 | 355 | 483 |
| 6888 | 6891 | 6894 | LED | 38.0 W | _ | 2800 | 305 | 120 | 280 | 405 | 493 |
| 6866 | 6863 | 6869 | 1 TC-T | ELI 18 W | GX24q-2 | 1200 | 195 | 100 | 175 | 255 | 416 |
| 6867 | 6864 | 6870 | 2 TC-T | ELI 26 W | GX 24 q-3 | 3600 | 255 | 115 | 230 | 355 | 483 |
| 8888 | 6865 | 6871 | 2 TC-T | ELL 42 W/ | GX 2/1 a-3// | 6400 | 305 | 120 | 280 | 105 | 493 |

B · C = Installation opening dimensions 6868





LED ceiling luminaires · Downlights

Luminous flux 400-1115 lumen

Downlights with integral LED. Luminaires in three sizes with extremely shallow installation height. These luminaires are characterised by approx. 20 mm solid expertly manufactured partially frosted crystal glass with thread and impressive, multi-faceted light graphics. LED luminaires with valuable appeal, which combine exquisite high quality and state-of-the-art light and energy technology. Unlike conventional lights, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

Suitable pendant luminaires can be found on pages 252 and 254.

All technical data are given in the instructions for use for these luminaires.





Brilliant white Polished aluminium





Pages 252 and 254

LED ceiling luminaires · Downlights

Crystal glass, partially frosted, with thread Reflector made of pure anodised aluminium Luminaire housing made of metal Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Polished aluminium

With 2 cable entries for through-wiring.

Integral power supply unit.
6915 · 6781 dimmable 1-10 V.
Colour temperature 3000 K.
Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| Brilliant white | Polishec aluminiu | l m Light s | Lumen | А | В | |
|--------------------|----------------------|----------------|--------|------|-----|-----|
| 6913 | 6695 | LED | 6,5 W | 400 | 120 | 70 |
| 6914 | 6696 | LED | 9,0 W | 720 | 140 | 80 |
| 6915 | 6781 | LED | 14,2 W | 1115 | 190 | 100 |





Ceiling luminaires · Downlights with LED, for energy-saving halogen or discharge lamps

Luminous flux 245 - 3500 lumen Protection class IP 64

Luminaires in four sizes and three types of material. Lacquered in white, polished aluminium or luminaires with a profiled luminaire housing painted in white aluminium, RAL 9006.

Luminaires with solid crystal glass and anodised reflectors made of purest aluminium. The glare of the light, most of which is directed downwards, is optimally suppressed by partial frosting on the inside of the crystal glass. Compact and powerful luminaires which can be opened without tools for replacing the light source. New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive.

Luminaires that are dust-proof and protected from water spray for use in areas such as circulation or bath/shower rooms.

Technically and creatively perfect light tools for outstanding lighting design. All technical data are given in the instructions for use for these luminaires.







Brilliant white Polished aluminium White aluminium White aluminium

.80. .105. .120. .140.

Ceiling luminaires · Downlights with LED, for halogen or discharge lamps

Protection class IP 64

Crystal glass, partially frosted Screw thread for opening the luminaires without tools Reflector made of pure anodised aluminium Luminaire housing made of aluminium Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Polished aluminium
- White aluminium enamel RAL 9006

With 2 cable entries for through-wiring.

6917 · 7885 · 6921 · 8655 · 7951 · 8686 1 cable entry

Luminaires for discharge lamps with integral electronic ballasts.

6917 \cdot 7885 \cdot 7951 $\,$ with LED 24 VDC without power supply unit Safety class III

Technical data power supplies, page 323.

6918 · 7886 · 6919 · 7887 · 7952 · 7953 with LED

Integral power supply unit \cdot Colour temperature 3000 K.

Also available with 4000 K on request.

3000 K · Article number

 $4000\,\mathrm{K}\cdot\mathrm{Article}$ number + **K4**



· A ·

| Ceiling | g luminair | es brilliant wh | ite · Poli | shed alu | minium | 1 | |
|--------------------|----------------------|-----------------|------------|----------|--------|-----|-----|
| Brilliant white | Polished aluminiu | m Light source | | Base | Lumen | А | В |
| 6917 | 7885 | LED | 4.0 W | = | 245 | 80 | 115 |
| 6918 | 7886 | LED | 6.5 W | | 400 | 105 | 135 |
| 6919 | 7887 | LED | 13.0 W | | 945 | 120 | 165 |
| 6921 | 8655 | 1 QT 14 | 33 W | G 9 | 460 | 80 | 115 |
| 6922 | 8656 | 1 QT 14 | 60 W | G 9 | 980 | 105 | 135 |
| 6923 | 8657 | 1 QT 18 | 100 W | B 15 d | 1800 | 120 | 165 |
| 6924 | 8658 | 1 HIT-TC-CE | 20 W | GU 6.5 | 1700 | 120 | 165 |
| 6925 | 8659 | 1 HIT-TC-CE | 35 W | G 8.5 | 3500 | 140 | 200 |



. A .

| Ceiling lumi | naires white alum | inium | | | | |
|-----------------|--------------------------|---------|--------|-------|-----|-----|
| White aluminium | Light source | | Base | Lumen | А | Е |
| 7951 | LED | 4.0 W | | 245 | 80 | 115 |
| 7952 | LED | 6.5 W | | 400 | 105 | 135 |
| 7953 | LED | 13.0 W | | 945 | 120 | 165 |
| 8686 | 1 QT 14 | 33 W | G 9 | 460 | 80 | 115 |
| 8687 | 1 QT 14 | 60 W | G 9 | 980 | 105 | 135 |
| 8688 | 1 QT 18 | 100 W | B15d | 1800 | 120 | 165 |
| 8718 | 1 HIT-TC-CE | 100 E S | GU 6.5 | 1700 | 120 | 165 |
| 8864 | 1 HIT-TC-CE | | G8.5 | 3500 | 140 | 200 |





Ceiling luminaires · Downlights for fluorescent and energy-saving halogen lamps

Luminous flux 400 - 2870 lumen



Ceiling luminaires in five sizes with the same design features but with different light effects. Optionally as luminaires with closed opal glass elements and protection class IP 64 for unshielded light or luminaires with high-quality reflectors and hand-blown opal or crystal glass elements. The reflectors of these luminaires direct the majority of the light downwards and generate a high degree of horizontal illumination value.

The remaining part of the light is diffused through the glass, and provides an additional vertical illumination level.

This dual effect gives the luminaire range maximum visual comfort.

The different dimensions and light outputs allow a host of lighting tasks to be solved within one luminaire series.

Luminaires for rooms, stairways and corridors.

Suitable recess-mounted luminaires can be found on page 36.

All technical data are given in the instructions for use for these luminaires.







Downlight · Opal glass with reflector

Downlight · Crystal glass with reflector

Ceiling luminaires · Opal glass · IP 64

Ceiling luminaires · Downlights for fluorescent and halogen lamps

- Hand-blown opal glass with thread
 Reflector made of pure anodised aluminium with integral louvre
 Luminaire housing optionally made of
- Metal, white enamel RAL 9010
- Stainless steel
- Hand-blown crystal glass with thread Reflector made of pure high-gloss anodised aluminium Luminaire housing made of stainless steel
- Hand-blown opal glass with thread · Protection class IP 64 Luminaire housing optionally made of
- Metal, white enamel RAL 9010
- Stainless steel

With 2 cable entries for through-wiring.

The electrical connection is made with a convenient plug connection.

7972 · 7973 · 8299 · 7567 · 7579 1 Cable entry

The required ballast are installed in luminaires for fluorescent lamps. $8275\cdot8277\,$ with electronic ballast for 32 W fluorescent lamps can also be operated with 26 W lamps.



| c · | Down | light · Opa | al glass with | reflecto | or | | | | |
|-----|-------|-------------|---------------|----------|-----------|-------|-----|-----|-----|
| В | White | S/steel | Light source | | Base | Lumen | A | В | С |
| | 7848 | 7850 | 1 TC-D | 13 W | G24d-1 | 900 | 110 | 230 | 140 |
| Α • | 7849 | 7851 | 1 TC-D | 26 W | G24d-3 | 1800 | 130 | 255 | 160 |
| | 8275 | 8277 | 1 TC-TELI | 32 W | GX 24 q-3 | 2400 | 150 | 255 | 190 |
| | 7972 | 7973 | 1 QT 18 | 40 W | B15d | 590 | 70 | 150 | 90 |
| | 7674 | 7676 | 1 QT 32 | 70 W | E 27 | 1180 | 95 | 180 | 120 |
| | 7675 | 7677 | 1 QT 32 | 70 W | E 27 | 1180 | 110 | 185 | 140 |
| | 7843 | 7844 | 1 QT 32 | 100 W | E 27 | 1800 | 130 | 200 | 160 |
| | 8274 | 8276 | 1 QT 32 | 150 W | E 27 | 2870 | 150 | 255 | 190 |

| · c · | Dov | Downlight · Crystal glass with reflector | | | | | | | |
|-------------------|--------|--|-------|------|-------|-----|-----|-----|--|
| | S/stee | el Light sourc | e | Base | Lumen | A | В | С | |
| H | 8299 | 1 QT 18 | 40 W | B15d | 590 | 70 | 150 | 90 | |
| · A · | 8300 | 1 QT 32 | 70 W | E 27 | 1180 | 95 | 180 | 120 | |
| is and the second | 8301 | 1 QT 32 | 70 W | E 27 | 1180 | 110 | 185 | 140 | |
| | 8302 | 1 QT 32 | 100 W | E 27 | 1800 | 130 | 200 | 160 | |

| · c · | Ceilin | g luminain | es · Opal gl | ass · IP i | 64 | | | | |
|-------|--------|------------|--------------|------------|-----------|-------|-----|-----|-----|
| В | White | S/steel | Light source |) | Base | Lumen | A | В | С |
| L . | 7571 | 7583 | 1 TC-D | 13 W | G24d-1 | 900 | 110 | 230 | 140 |
| • A • | 7572 | 7584 | 1 TC-T | 18 W | GX 24 d-2 | 1200 | 130 | 260 | 160 |
| | 7567 | 7579 | 1 lamp | 40 W | E14 | 400 | 70 | 165 | 90 |
| | 7568 | 7580 | 1 lamp | 60 W | E 27 | 710 | 95 | 190 | 120 |
| | 7569 | 7581 | 1 lamp | 75 W | E 27 | 935 | 110 | 230 | 140 |
| | 7570 | 7582 | 1 lamp | 100 W | E 27 | 1340 | 130 | 260 | 160 |





Ceiling luminaires for unshielded light for fluorescent lamps and lamps for screw base E 27

Luminous flux 935 - 3200 lumen

Ceiling luminaires in two different glass qualities with different dimensions. They are impressive because of the combination of clear design and high light output. They are perfect design elements for many room situations. Ceiling luminaires that are suitable for almost any interior architecture areas, regardless of whether they are illuminated or not. They unfold their extraordinary light effect in either rows or groups.

We can optionally supply the luminaires for operation with fluorescent lamps or lamps for screw base E27.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

The easy to use fixing system of the luminaires makes installation quick and cost-effective. Suitable wall luminaires can be found on page 164, and suitable pendant luminaires on pages 256 and 266.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







Opal glass · white Opal glass · stainless steel Crystal glass, partially frosted · stainless steel



| Opa | l glass | | | | | | | |
|-------|---------|-------------|---------|-------------|-------|-----|-----|-----|
| White | S/steel | Light sourc | e | Base | Lumen | Α | В | С |
| 8514 | 8578 | 1 TC-TEL | .I 26 W | GX 24 q-3 | 1800 | 160 | 265 | 140 |
| 8515 | 8579 | 1 TC-TEL | J 42 W | GX 24 q-3/4 | 3200 | 220 | 380 | 190 |
| 8576 | 8577 | 1 lamp | 75 W | E 27 | 935 | 120 | 185 | 90 |
| 8931 | 8930 | 1 lamp | 150 W | F 27 | 2160 | 160 | 265 | 140 |

Ceiling luminaires

for fluorescent lamps and lamps for screw base E 27 Options

- Hand-blown opal glass, satin matt Luminaire housing optionally made of
- Metal, white enamel RAL 9010
- Stainless steel
- Crystal glass, partially frosted
 Luminaire housing made of stainless steel

With 2 cable entries for through-wiring. 8576 · 8577 · 8689 1 Cable entry

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps.



| Crysta | al glass pa | artially fros | sted | | | | |
|---------|-------------|---------------|------------|--------|-----|-----|-----|
| S/steel | Light sour | ce | Base | Lumen | А | В | С |
| 8691 | 1 TC-TEI | | GX 24 q-3 | 1800 | 160 | 265 | 140 |
| 8932 | 1 TC-TEI | | GX 24 q-3/ | 4 3200 | 220 | 380 | 190 |
| 8689 | 1 lamp | 75 W | E 27 | 935 | 120 | 185 | 90 |
| 8690 | 1 lamp | 150 W | E 27 | 2160 | 160 | 265 | 140 |





LED ceiling luminaires · Downlights

Luminous flux 320 · 720 lumen

We have developed these new ceiling luminaires especially for LED. Unlike conventional lamps, the LED in this construction do not need additional reflectors. On the contrary, the LED itself emits the majority of the light in the right direction like a mini-floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps.

These are luminaires with a large proportion of downlight and a small part of vertical light. The vertical light brightens the glass and the immediate vicinity of the installation surface, and the uniformity of the light provides a pleasant light atmosphere.

An easy to handle fixing system makes installation quick, costeffective and convenient.

Suitable recessed luminaires can be found on page 38.

All technical data are given in the instructions for use for these luminaires.







White

Polished stainless steel

Matt stainless steel





LED ceiling luminaires · Downlights

Hand-blown opal glass with thread Luminaire housing optionally made of

- Metal, white enamel RAL 9010
- Polished stainless steel
- Brushed stainless steel

With 2 cable entries for through-wiring.

2032 · 2030 · 2065 1 Cable entry

LED luminaires with integral power supply unit.

Colour temperature 3000 K.

Also available with 4000 K on request.

3000 K · Article number

 $4000\,\mathrm{K}\cdot\mathrm{Article}\;\mathrm{number}+\mathrm{K4}$



| White | Polished S/steel | Brushed S/steel | Light s | source | Lumen | А | В |
|-------|---------------------|--------------------|---------|--------|-------|----|-----|
| 2032 | 2030 | 2065 | LED | 4.5 W | 320 | 70 | 155 |
| 2033 | 2031 | 2066 | LED | 9.0 W | 720 | 95 | 205 |





Ceiling luminaires · Downlights with LED, for fluorescent, energy-saving halogen or discharge lamps

Luminous flux 320 - 6700 lumen

Luminaires with integral LED, for fluorescent, energy-saving halogen or discharge lamps.

New in this product range is the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen output, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive.

Luminaires with hand-blown glass elements made of three-ply opal glass in the form of precisely calculated parabolic reflectors. The light is reflected by the white inner surface and directed towards the surface to be illuminated. Unlike metal reflectors, part of the light penetrates the satin matt opal glass body and is diffused softly and uniformly as unshielded light. Luminaires that are impressive by their light effect, their technology and the high degree of visual comfort.

The luminaires are available in two surface finish options: Luminaires with polished stainless steel housing or structured housing with painted surface (white aluminium RAL 9006). Luminaires with the painted surface are also available with **symmetrical** or **asymmetrical** light intensity distribution.

An easy to handle fixing system makes installation quick, cost-effective and convenient. Appropriate recessed ceiling luminaires can be found on page 42, pendants on page 240 and wall luminaires on page 174. All technical data are given in the instructions for use for these luminaires.







White aluminium · symmetrical light distribution

White aluminium - asymmetrical light distribution

Polished stainless steel · symmetrical light distribution



Page 42 Page 240

Ceiling luminaires · Downlights with LED, for fluorescent, halogen or discharge lamps

Hand-blown opal glass, satin matt, with thread

The opal glass elements of the asymmetrical luminaires can be rotated by 360° in any direction.

Luminaire housing optionally available in

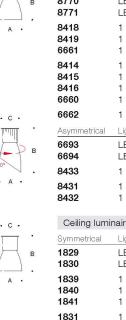
- Metal, white aluminium enamel RAL 9006
- Polished stainless steel

With 2 cable entries for through-wiring. $8770 \cdot 8414 \cdot 6693 \cdot 8431 \cdot 1829 \cdot 1831$ 1 cable entry

Luminaires for fluorescent and discharge lamps with integral electronic ballasts.

LED luminaires with integral power supply unit. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + K4



| Ceiling lumi | naires white alumin i | ium | | | | |
|--------------------------------------|---|-------------------------------------|-------------------------------------|---------------------------------|---------------------------------|-------------------------|
| Symmetrical | Light source | Base | Lumen | А | В | С |
| 8770 8771 | LED 6.5 W LED 13.0 W | _ | 400 945 | 140 185 | 200 270 | 90 120 |
| 8418 8419 6661 | 1 TC-TELI 26 W 1 TC-TELI 42 W 1 TC-TELI 57 W | GX 24 q-3 GX 24 q-4 GX 24 q-5 | 1800 3200 4300 | 185 220 260 | 245 295 345 | 120 140 160 |
| 8414 8415 8416 6660 6662 | 1 QT 26 60 W 1 QT 32 70 W 1 QT 32 100 W 1 QT 32 150 W 1 HIE-CE 70 W | E14 E27 E27 E27 | 820 1180 1800 2870 6700 | 140 185 220 260 260 | 185 245 295 345 345 | 90 120 140 160 |
| Asymmetrical | Light source | Base | Lumen | А | В | С |
| 6693 6694 | LED 6.5 W LED 13.0 W | _ | 400 945 | 105 140 | 245 335 | 90 120 |
| 8433 | 1 TC-TELI 26 W | GX 24 q-3 | 1800 | 140 | 310 | 120 |
| 8431 8432 | 1 QT 26 60 W 1 QT 32 70 W | E 14 E 27 | 820 1180 | 105 140 | 230 310 | 90 120 |
| Ceiling lumi | naires polished stai | nless steel | | | | |
| Symmetrical | Light source | Base | Lumen | А | В | С |
| 1829 1830 | LED 4.5 W LED 9.0 W | _ | 320 720 | 140 185 | 200 270 | 90 120 |
| 1839 1840 1841 | 1 TC-TELI 26 W 1 TC-TELI 42 W 1 TC-TELI 57 W | GX 24 q-3 GX 24 q-4 GX 24 q-5 | 1800 3200 4300 | 185 220 260 | 270 295 345 | 120 140 160 |
| 1831 1832 1833 1834 | 1 QT 26 60 W 1 QT 32 70 W 1 QT 32 100 W 1 QT 32 150 W | E14 E27 E27 E27 | 820 1180 1800 2870 | 140 185 220 260 | 185 245 295 345 | 90 120 140 160 |
| 1842 | 1 HIE-CE 70 W | E 27 | 6700 | 260 | 345 | 160 |





Ceiling luminaires · Downlights for fluorescent, energy-saving halogen and discharge lamps

Luminous flux 1180-6700 lumen Protection class IP 64

High-performance downlight with dual lighting technology available in three sizes for fluorescent, energy-saving halogen and discharge lamps.

A compact and powerful combination of hand-blown partially frosted crystal glass and reflectors. Closed ceiling luminaires – protected from dust and water spray. Perfectly calculated reflectors made of pure aluminium and the use of modern lamps provide a range of different light distributions.

The reflectors direct the majority of the light downwards and generate a high degree of horizontal illumination intensity on the working plane.

The remaining part of the light is diffused by the partially frosted luminaire glass and also lights up the room. This dual effect provides the luminaire range a maximum visual comfort.

All technical data are given in the instructions for use for these luminaires







50 • • 185 • • 2

Ceiling luminaires · Downlights for fluorescent, halogen and discharge lamps Protection class IP 64

Hand-blown crystal glass, partially frosted, with thread Reflector made of pure high-gloss anodised aluminium with integral louvre

Luminaire housing made of stainless steel

With 2 cable entries for through-wiring.

Luminaires for fluorescent and discharge lamps with integral electronic ballasts.



. A .

| | Light source | Base Lumen | A B |
|------|----------------|--------------|---------|
| 8859 | 1 TC-TELI 26 W | GX24q-3 1800 | 150 190 |
| 8860 | 1 TC-TELI 42 W | GX24q-4 3200 | 185 250 |
| 8861 | 1 TC-TELI 57 W | GX24q-5 4300 | 220 280 |
| 8996 | 1 QT 32 70 W | E 27 1180 | 150 190 |
| 8997 | 1 QT 32 100 W | E 27 1800 | 185 250 |
| 8998 | 1 QT 32 150 W | E 27 2870 | 220 280 |
| 8862 | 1 HIE-CE 35 W | E 27 3200 | 185 250 |
| 8863 | 1 HIE-CE 70 W | E 27 6700 | 220 280 |







Pendant luminaires, page 24

Ceiling luminaires · Downlights for fluorescent and energy-saving halogen lamps

Luminous flux 1200 - 2870 lumen

Ceiling luminaires in two sizes and with high light output.

Downlight with dual lighting technology. The unit consisting of the reflector and the louvre splits the light of the lamps up into a main downlight to provide an illumination intensity level directly beneath the luminaire, and a smaller amount of unshielded light that also brightens the room. Satin matt crystal glass elements with a light-diffusing texture provide uniform, pleasant illumination.

A convenient mounting system makes installation simple and cost-effective. Suitable recessed ceiling luminaires can be found on page 40, and suitable pendants on page 242.

All technical data are given in the instructions for use for these luminaires



Ceiling luminaires · Downlights for fluorescent and halogen lamps

Crystal glass with a light-diffusing texture, satin matt, with thread

Reflector made of pure high-gloss anodised aluminium with integral louvre.

Luminaire housing made of metal

• White aluminium enamel RAL 9006

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.

The mounting system of the luminaires make installation quick and cost-effective.

The electrical connection is made with a convenient plug connection.



| | Light source | Base | Lumen | Α | В | С |
|------|----------------|---------|-------|-----|-----|-----|
| 8322 | 1 TC-TELI 18 W | GX24q-2 | 1200 | 185 | 225 | 95 |
| 8323 | 1 TC-TELI 32 W | GX24q-3 | 2400 | 240 | 290 | 130 |
| 8926 | 1 QT 32 100 W | E 27 | 1800 | 185 | 225 | 95 |
| 8927 | 1 QT 32 150 W | E 27 | 2870 | 240 | 290 | 130 |



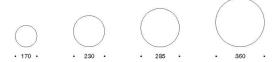




Pendant luminaires, page 244

»DUATA«
Ceiling luminaires · Downlights
for fluorescent and energy-saving halogen lamps

Luminous flux 1800 - 4300 lumen



Downlights with dual lighting technology, equipped with a combined system of hand-blown glass and reflectors.

Luminaires for fluorescent and energy-saving halogen lamps, in different sizes and with different glass qualities.

Perfectly calculated reflectors made of pure aluminium and the use of modern lamps provide a selection of different light distributions.

The reflectors direct the majority of the light downwards and generate a high degree of horizontal illumination intensity on the working plane. The remaining part of the light is diffused by the luminaire glass and also lights up the room and the luminaire installation surface. This dual effect provides the luminaire range a maximum visual comfort.

»DUATA« ceiling luminaires are optionally available with crystal glass for brilliant light or with opal glass for smooth, uniform light distribution.

All technical data are given in the instructions for use for these luminaires.





Crystal glass · white aluminium

Opal glass · light grey

Ceiling luminaires · Downlights for fluorescent and halogen lamps

Luminaires with hand-blown crystal glass Reflector made of pure high-gloss anodised aluminium Luminaire housing made of die cast aluminium and aluminium

• White aluminium enamel RAL 9006

Luminaires with hand-blown opal glass. Reflector made of pure anodised aluminium Luminaire housing made of die cast aluminium and aluminium

• Light grey enamel RAL 7035

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with 32 W lamps.







| Down | light · Opal glass · li | ght grey RAL | 7035 | | |
|------|--------------------------------|--------------|-------|-----|-----|
| | Light source | Base | Lumen | Α | Е |
| 7694 | 1 TC-TELI 26 W | GX24q-3 | 1800 | 230 | 245 |
| 7603 | 1 TC-TELI 42 W | GX24q-3/4 | | 285 | |
| 7488 | 1 TC-TELI 57 W | GX24q-5 | 4300 | 360 | 400 |
| 8064 | 1 QT 32 100 W | E 27 | 1800 | 170 | 190 |
| 7693 | 1 QT 32 150 W | E 27 | 2870 | 230 | 245 |
| 7441 | 1 QT 32 205 W | E 27 | 4200 | 285 | 320 |





Pendant luminaires, page 250

High-performance ceiling luminaire for fluorescent lamps

Luminous flux 9600 lumen

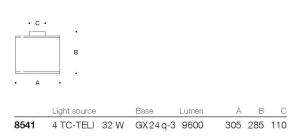
A new series of powerful ceiling and pendant luminaires. High-quality three-ply opal glass in sophisticated combination with metal and modern lighting technology. This is how we continue with the tradition of our cylinder luminaires.

The hand-blown opal glass is enhanced and retained by precision support rings made of polished aluminium. The structural design of these luminaires is impressive from installation to maintenance.

Modern, classical and with a high degree of value appeal at the same time, they blend into many types of good architecture. The dimmability of the luminaires makes them particularly suitable as perfect and cost-effective lighting for multi-purpose rooms.

Suitable pendant luminaires can be found on page 250. All technical data are given in the instructions for use for these luminaires.

Ceiling luminaire for fluorescent lamps
Hand-blown opal glass
Polished aluminium luminaire housing
Luminaire with integral electronic ballasts,
dimmable 1-10 V.
The luminaire can also be operated with 26 W lamps.









Wall luminaires for different mounting heights for fluorescent lamps and lamps for screw base E 27

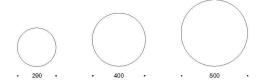
Luminous flux 935 - 9200 lumen

Ceiling luminaires with two different distances between the light fixture and the ceiling. Luminaires that make use of the reflectances of the ceiling or wall surfaces. Part of the emitted light is reflected as indirect illumination. In interaction with the light dispersed by the frosted glass, this produces an extremely pleasant light atmosphere with a high degree of visual comfort.

Unshielded luminaires with high light output for different ceiling heights.

Three luminaire sizes make coordination with the respective lighting task possible. In order to meet customer requirements, we also supply these luminaires in different lengths on request.

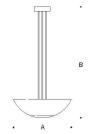
There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve most uniform illumination we recommend the luminaires specified in the table for T16 R fluorescent lights. For luminaires with screw base E 27 the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.



Ceiling luminaires for fluorescent lamps and lamps for screw base E 27 Crystal glass, satin matt, inside white Metal parts made of stainless steel Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light source | | Base | Lumen | Ä | В |
|------|--------------|-------|---------|-------|-----|-----|
| 8459 | 2 T16R 22 | +55 W | 2 GX 13 | 6000 | 400 | 220 |
| 8460 | 2 T16R 55 | +60 W | 2 GX 13 | 9200 | 500 | 260 |
| 7950 | 1 lamp | 75 W | E 27 | 935 | 290 | 180 |
| 7896 | 4 lamps | 75 W | E 27 | 3740 | 400 | 220 |
| 7897 | 4 lamps | 100 W | E 27 | 5360 | 500 | 260 |



| | Light source | Base | Lumen | A | В |
|------|----------------|---------|-------|-----|------|
| 8867 | 2 T16R 22+55 W | 2 GX 13 | 6000 | 400 | 1000 |
| 8868 | 2 T16R 55+60 W | 2 GX 13 | 9200 | 500 | 1000 |
| 8865 | 4 lamps 75 W | E 27 | 3740 | 400 | 1000 |
| 8866 | 4 lamps 100 W | E 27 | 5360 | 500 | 1000 |







Unshielded ceiling luminaires for fluorescent lamps

Luminous flux 3500 · 4800 lumen

Ceiling luminaires in two sizes for fluorescent lamps.

Elongated luminaires with slimline cylinders for a multitude of applications.

High light outputs and economical lamps characterise this series.

Luminaires that can divide up and structure rooms depending on their installation.

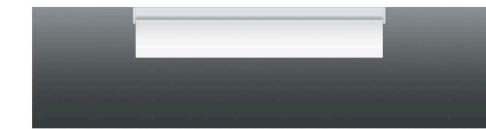
These luminaires produce their special effect by arranging several luminaires in groups or linear structures or by means of impressive interplay with suitable wall luminaires (page 188) and pendant luminaires (page 262).

All technical data are given in the instructions for use for these luminaires.





Page 188



Ceiling luminaires for fluorescent lamps Hand-blown opal glass Luminaire housing made of metal
• White enamel RAL 9010

Luminaires with integral electronic ballasts.



| | Light source | Base Lumen | A B C |
|------|--------------|-------------|-------------|
| 8457 | 1 TC-L 40 W | 2 G 11 3500 | 630 135 100 |
| 8458 | 1 TC-L 55 W | 2 G 11 4800 | 700 145 110 |



Large-scale ceiling or wall luminaires for fluorescent lamps

Luminous flux 11 600 · 20 000 lumen
Protection class IP 65



With our large-scale luminaires we are opening an new chapter of ceiling an wall luminaires. Impressive light outputs of 11,600 and 20,000 lumen with diameters of 670 and 930 mm. Precision aluminium rings with hand-polished finishes hold the large diffusing panels. A newly-developed translucent coating on the inside of the panel provides maximum

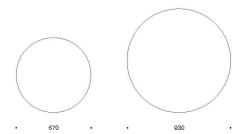
A newly-developed translucent coating on the inside of the panel provides maximum uniformity and transmission of the illuminated surface.

As well as the high light output and large luminaire diameter, the IP 65 protection class is an additional new and exceptional feature.

The high light output reduces the number of installation points and by consequence the number of luminaires. A long service life and the cost-effectiveness of the lamps also reduce the installation, maintenance and operating costs. Luminaires for new and creative light design in many areas of interior architecture.

Suitable pendant luminaires can be found on page 228.

All technical data are given in the instructions for use for these luminaires.



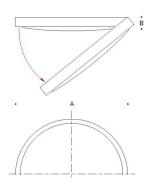


Available in any RAL colour on request

Large-scale ceiling or wall luminaires for fluorescent lamps
Protection class IP 65
Synthetic cover with white light-diffusing matt finish.
Luminaire made of
Polished aluminium

Luminaires with integral electronic ballasts, dimmable 1-10 V.





| - | Light source | e | Base | Lumen | Α | В |
|------|--------------|------|--------|--------|-----|-----|
| 6672 | 4 TC-L | 36 W | 2 G 11 | 11 600 | 670 | 125 |
| 6673 | 10 T 16 | 24 W | G 5 | 20 000 | 930 | 140 |



Ceiling and wall luminaires for fluorescent, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 980 - 8600 lumen Protection class IP 44

Interpretation of a classic. It often appears impossible to improve on something that has been around for a long time. However, we have re-interpreted this classic luminaire design: contemporary, simple and equipped with the latest lamp technology, this series is the continuation of a long tradition.

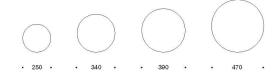
Compact luminaires in four sizes for fluorescent, energy-saving halogen lamps and lamps for screw base E 27.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires specified in the table for TC-TELI fluorescent lamps and energy-saving QT 14 halogen lamps. For luminaires with screw base E 27 the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







White



Stainless steel



Chrome

Ceiling and wall luminaires

for fluorescent, halogen lamps and lamps for screw base E 27

Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure Luminaire housing made of metal

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for $32\,\mathrm{W}$ fluorescent lamps can also be operated with $26\,\mathrm{W}$ lamps.









Ceiling and wall luminaires with LED, for fluorescent, energy-saving halogen lamps or lamps for screw base E 27

Luminous flux 980 - 8600 lumen
Protection class IP 64

Compact luminaires in four sizes with integral LED, for fluorescent, energy-saving halogen lamps and lamps for screw base E 27.

Luminaires for ceiling and wall, with hand-blown satin matt opal glass elements and precision luminaire housings. This luminaire series is characterised by the choice of different metal finishes, lamp types, light outputs and the extremely shallow projection. Solid and reliable lighting tools with which many planning and project tasks can be solved.

New in this product range is the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight.

In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive. There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires with integral LED or for TC-TELI fluorescent lamps that are specified in the table. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.











White White aluminium Polished aluminium Polished aluminium

Ceiling and wall luminaires with LED, for fluorescent, halogen lamps or lamps for screw base E 27

Protection class IP 64

Hand-blown opal glass, satin matt, with thread Luminaire housing made of metal \cdot Surface finish options:

- White enamel RAL 9010
- White aluminium enamel RAL 9006
- Polished aluminium

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.

LED luminaires with integral power supply unit, dimmable from 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + **K4**





| White | White aluminium | Polished aluminium | Light source | | Base | Lumen | А | В |
|------------------------------|------------------------------|------------------------------|--------------------------|------------------------------|-----------|------------------------------|--------------------------|----------------|
| 6851 6852 6853 6895 | 6700 6701 6862 6897 | 6702 6703 6861 6896 | LED LED LED LED | 21 W 32 W 52 W 83 W | | 1400 2100 3500 5600 | 265 305 370 470 | 75 85 90 |
| 6857 | 8963 | 6707 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 265 | 75 |
| 6858 | 6633 | 6708 | 2 TC-TELI | 26 W | GX 24 q-3 | 3600 | 305 | 85 |
| 6859 | 6634 | 6709 | 2 TC-TELI | 32 W | GX 24 q-3 | 4800 | 370 | 90 |
| 6860 | 8815 | 6710 | 2 TC-TELI | 57 W | GX 24 q-5 | 8600 | 470 | 120 |
| 6854 | 8772 | 6704 | 1 QT 14 | 60 W | G 9 | 980 | 265 | 75 |
| 6855 | 8773 | 6705 | 2 lamps | 60 W | E 27 | 1420 | 305 | 85 |
| 6856 | 8774 | 6706 | 3 lamps | 60 W | E 27 | 2130 | 370 | 90 |





Ceiling and wall luminaires for fluorescent lamps

Luminous flux 2400 - 5000 lumen Protection class IP 44

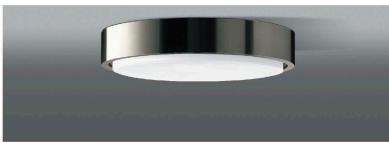
Ceiling and wall luminaires in three sizes for fluorescent lamps. Luminaires that are outstanding because of the combination of precision metal housings and sophisticated, hand-blown opal glass elements and their shallow projection.

The different dimensions and light output of the luminaires make it possible to find solutions for many lighting tasks. Luminaires for lighting private and public premises, stairways and corridors. All technical data are given in the instructions for use for these luminaires.









Stainless steel

Ceiling and wall luminaires for fluorescent lamps Protection class IP 44 Hand-blown opal glass, satin matt, with thread

Luminaire housing made of metal

White enamel RAL 9010

or housing made of

• Stainless steel

With 2 cable entries for through-wiring.

Luminaires with integral electronic ballasts.



| White | S/steel | Light source | | Base | Lumen | Α | В |
|-------|---------|--------------|-------|---------|-------|-----|-----|
| 7770 | 7771 | 2 TC-DEL | 18 W | G24q-2 | 2400 | 300 | 85 |
| 7774 | 7775 | 2 TC-DEL | 26 W | G24q-3 | 3600 | 350 | 95 |
| 7976 | 7977 | 2 T16R 22 | +40 W | 2 GX 13 | 5000 | 420 | 100 |



Luminous flux 1420 - 4800 lumen Protection class IP 44

Luminaires in three sizes for fluorescent lamps or lamps for screw base E 27. High-quality, hand-blown luminaire glass with an unmistakable characteristic shape. Distinctly contoured glass edges, a wide glass projection in relation to the housing and the extremely flat design make these luminaires masterpieces of craftsmanship and characterise the aesthetic quality thereof.

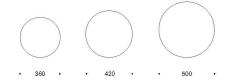
For particular projects we can also supply this series with an impact resistant synthetic cover. Luminaires with direct and indirect light.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.









White aluminium

Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E 27

Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure or luminaires for fluorescent lamps with identical design equipped with impact resistant synthetic covers

Luminaire housing made of metal Surface finish options

- White enamel RAL 9010
- White aluminium enamel RAL 9006

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for $32\,\mathrm{W}$ fluorescent lamps can also be operated with $26\,\mathrm{W}$ lamps.

| White | 9 | | | | | | | |
|----------------------|----------------------------|-------------------------------------|----------------------|-------------------------------|----------------------|-------------------|----------------|-------------------|
| Opal glass | Synthetic cover | Light source | | Base | Lumen | А | В | О |
| 8751 6639 6640 | 8751 P 6639 P 6640 P | 1 TC-TELI 2 TC-TELI 2 TC-TELI | 26 W | GX24q-3 GX24q-3 GX24q-3 | 1800 3600 4800 | 360 420 500 | 85 85 95 | 0.00 |
| 8758 8759 8760 | | 2 lamps 2 lamps 3 lamps | 60 W 75 W 60 W | E 27 E 27 E 27 | 1420 1870 2130 | 360 420 500 | 85 85 95 | 265 300 360 |



| White | aluminium | 1 | | | | | | |
|----------------------|----------------------------|-------------------------------------|----------------------|-------------------------------|----------------------|-------------------|----------------|-------------------|
| Opal glass | Synthetic cover | Light source | E | Base | Lumen | А | В | О |
| 8748 6637 6638 | 8748 P 6637 P 6638 P | 1 TC-TELI 2 TC-TELI 2 TC-TELI | 26 W | GX24q-3 GX24q-3 GX24q-3 | | 360 420 500 | 85 85 95 | 265 300 360 |
| 8761 8762 8763 | _ | 2 lamps 2 lamps 3 lamps | 60 W 75 W 60 W | E 27 E 27 E 27 | 1420 1870 2130 | 360 420 500 | 85 85 95 | 265 300 360 |



Ceiling and wall luminaires with LED, for fluorescent or energy-saving halogen lamps

Luminous flux 410 - 8600 lumen Protection class IP 44

Compact, powerful luminaires in six sizes and four different materials.

Luminaires with integral LED, for fluorescent or energy-saving halogen lamps.

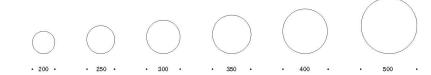
New in this product range is the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

Luminaires for walls and ceilings, with which a multitude of planning and project tasks can be solved.

Perfect proportions and a balanced combination of high-quality metal housings together with hand-blown opal glass elements make these luminaires both aesthetic and durable interior architecture design elements.

All technical data are given in the instructions for use for these luminaires.













White Stainless steel Chrome Brass

Ceiling and wall luminaires with LED, for fluorescent or halogen lamps

Protection class IP 44

Hand-blown opal glass with thread Luminaire housing made of metal Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome
- Brass

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 1x42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for $2\,\text{x}\,42\,\text{W}$ fluorescent lamps can also be operated with $32\,\text{W}$ lamps.

LED luminaires with integral power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| White | S/steel | Chrome | Brass | Light source | | Base | Lumen | A | В |
|--|--|--|--|--|--|--|-----------------------------|--|--------------------------------------|
| 6794 6795 6796 6797 | 6782 6783 6784 6785 | 6786 6787 6788 6789 | 6790 6791 6792 6793 | LED 1 LED 1 | 4,6 W 6,4 W 8,4 W 25,6 W | <u> </u> | 410 1440 1640 2260 | 200 250 300 350 | 80 90 110 125 |
| 8604 8605 8606 8607 8608 8609 | 8628 8629 8630 8631 8632 8633 | 8620 8621 8622 8623 8624 8625 | 8612 8613 8614 8615 8616 8617 | 1 TC-TELI 1 TC-TELI 1 TC-TELI 1 TC-TELI 2 TC-TELI 2 TC-TELI | 18 W 26 W 42 W 57 W 42 W 57 W | GX24q-2 GX24q-3/4 GX24q-5/ GX24q-3/4 GX24q-5 | 4300 | 200 250 300 350 400 500 | 80 90 110 125 140 160 |
| 7507 7050 7051 7139 | 7510 7447 7448 7449 | 7509 7063 7064 7143 | 7508 7057 7058 7141 | 1 QT 26 1 QT 32 2 QT 32 2 QT 32 | 40 W 70 W 70 W 70 W | E14 E 27 E 27 E 27 | 490 1180 2360 2360 | 200 250 300 350 | 80 90 110 125 |



Ceiling and wall luminaires with LED, for fluorescent or energy-saving halogen lamps

Luminous flux 700 - 8400 lumen Protection class IP 44

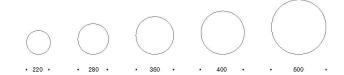
Luminaires in five sizes and three different materials with integral LED, for fluorescent or energy-saving halogen lamps.

New in this product range is the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

Flashed-opal luminaire glass elements are placed in solid die cast luminaire housings made of high-quality aluminium. This luminaire series is characterised by the extreme shallow projection and the wide variety of different light sources and light outputs. Luminaires with a fascinating three-dimensional effect.

All technical data are given in the instructions for use for these luminaires.











Polished aluminium Brass

Ceiling and wall luminaires with LED, for fluorescent or halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt, with thread 7498 \cdot 7929 with twist-lock closure Luminaire housing made of die cast aluminium Surface finish options

- White enamel RAL 9010
- Polished aluminium
- Brass

With 2 cable entries for through-wiring. 7370 · 7430 · 7460 1 Cable entry

The required ballast is installed in luminaires for fluorescent lamps. Luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps. 7498 \cdot 7929 with low-loss ballast

LED luminaires with integral power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| White | Polished aluminiu | | Light souro | e | Base | Lumen | А | В | C |
|--------------------------------------|--------------------------------------|------------------------------|--|------------------------------|---|-------------------------------------|---------------------------------|-------------------------------|---------------------------------|
| 2100 2101 | 2106 2108 | 2126 2129 | | 10,4 W 20,8 W | _ | 700 1400 | 220 280 | 85 90 | 200 260 |
| 2102 2103 | 2123 2124 | 2130 2131 | LED | 31,2 W 52,0 W | _ | 2100 3500 | 350 400 | 100 105 | 325 |
| 6826 6827 6828 6832 7498 | 6742 6743 6804 6805 7929 | 6806 6816 6817 6818 | 1 TC-DEL 1 TC-DEL 2 TC-DEL 2 TC-TEL 3 TC-F | . 18 W . 18 W | G24q-1 G24q-2 G24q-2 GX24q-3 2G10 | 900 1200 2400 4800 8400 | 220 280 350 400 500 | 85 90 100 105 130 | 200 260 325 375 475 |
| 7370 7371 7372 7373 | 7430 7431 7432 7433 | 7460 7461 7462 7463 | 1 QT 32 1 QT 32 2 QT 32 2 QT 32 | 70 W 70 W 70 W 70 W | E 27 E 27 E 27 E 27 | 1180 1180 2360 2360 | 220 280 350 400 | 85 90 100 105 | 200 260 325 375 |





Luminous flux 935 - 8600 lumen Protection class IP 44

Classical unshielded luminaires in six sizes and four different materials. Luminaires for lighting private and public premises, stairways and corridors.

Optionally for fluorescent lamps and lamps for screw base E 27.

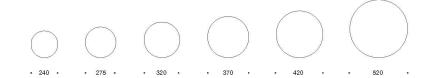
There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure Luminaire housing made of die cast aluminium Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome
- Brass

With 2 cable entries for through-wiring. Luminaires with Ø240 mm and Ø275 mm 1 cable entry

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with 26 \cdot 32 W lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.



| White | S/steel | Chrome | Brass | Light source | Base | Lumen | .A | В |
|-------|---------|--------|-------|--------------|----------|------------|-----|-----|
| 6974 | 6938 | 6950 | 6962 | 1 TC-TELL 18 | 3 W GX24 | q-2 1200 | 240 | 110 |
| 6975 | 6939 | 6951 | 6963 | 1 TC-TELI 26 | 6W GX24 | q-3 1800 | 275 | 125 |
| 6976 | 6940 | 6952 | 6964 | 1 TC-TELI 32 | 2 W GX24 | q-3 2400 | 320 | 145 |
| 6977 | 6941 | 6953 | 6965 | 1 TC-TELI 42 | 2 W GX24 | q-3/4 3200 | 370 | 170 |
| 6978 | 6942 | 6954 | 6966 | 2 TC-TELI 32 | 2 W GX24 | q-3 4800 | 420 | 195 |
| 6979 | 6943 | 6955 | 6967 | 2 TC-TELI 57 | 7 W GX24 | q-5 8600 | 520 | 240 |
| 6968 | 6932 | 6944 | 6956 | 1 lamp 75 | 5 W E 27 | 935 | 240 | 110 |
| 6969 | 6933 | 6945 | 6957 | 1 lamp 100 |) W E 27 | 1340 | 275 | 125 |
| 6970 | 6934 | 6946 | 6958 | 2 lamps 60 | OW E 27 | 1420 | 320 | 145 |
| 6971 | 6935 | 6947 | 6959 | 2 lamps 75 | 5 W E 27 | 1870 | 370 | 170 |





Luminous flux 2130 - 8600 lumen

Large luminaires in three sizes with high light output for fluorescent lamps and lamps for screw base E 27.

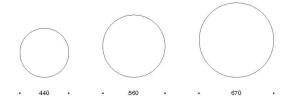
Three-ply opal glass and sophisticated metal rings complete each other with their contours to form a perfect spherical segment.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.









Chrome Brass

Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E 27 Hand-blown opal glass, satin matt, with twist-lock closure Luminaire housing made of metal

Surface finish options

- White enamel RAL 9010
- Chrome
- Brass

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,W$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with $26\,W$ lamps.



| White | Chrome | Brass | Light source | | Base | Lumen | Α | В |
|-------|--------|-------|--------------|------|-----------|-------|-----|-----|
| 8830 | 8840 | 8837 | 2 TC-TELI | 32 W | GX24q-3 | 4800 | 440 | 135 |
| 8831 | 8841 | 8838 | 2 TC-TELI | 42 W | GX24q-3/4 | 6400 | 560 | 160 |
| 8832 | 8842 | 8839 | 2 TC-TELI | 57 W | GX24q-5 | 8600 | 670 | 175 |
| 7756 | 7797 | 7762 | 3 lamps | 60 W | E 27 | 2130 | 440 | 135 |
| 7757 | 7798 | 7763 | 4 lamps | 60 W | E 27 | 2840 | 560 | 160 |
| 7758 | 7799 | 7764 | 5 lamps | 60 W | E 27 | 3550 | 670 | 175 |





Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1180 - 3200 lumen

Luminaires for fluorescent and energy-saving halogen lamps.

Light fixtures with high-quality metal parts made of die cast aluminium and hand-blown three-ply opal glass. Different dimensions and light outputs allow a host of lighting tasks to be solved within one luminaire series.

The precision-made luminaire housing and glass produce an impressive interplay between glass, metal and light.

All technical data are given in the instructions for use for these luminaires.





Ceiling and wall luminaires for fluorescent and halogen lamps

6721 · 6722 · 6723 · 7876 · 7877 · 8101 Protection class IP 55

Hand-blown opal glass with thread Luminaire housing made of die cast aluminium

Brushed aluminium

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps.



| | Light source |) | Base | Lumen | Α | В | С |
|------|--------------|-------|------------|-------|-----|-----|-----|
| 6724 | 1 TC-TELI | 18 W | GX 24 q-2 | 1200 | 280 | 110 | 300 |
| 6725 | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 330 | 110 | 350 |
| 6726 | 1 TC-TELI | 42 W | GX24 q-3/4 | 3200 | 385 | 110 | 405 |
| 7902 | 1 QT 32 | 70 W | E 27 | 1180 | 280 | 110 | 300 |
| 7903 | 1 QT 32 | 100 W | E 27 | 1800 | 330 | 110 | 350 |
| 7918 | 2 QT 32 | 70 W | E 27 | 2360 | 385 | 110 | 405 |



| | Light source |) | Base | Lumen | Α | В | С |
|------|--------------|-------|-------------|-------|-----|-----|-----|
| 6721 | 1 TC-TELI | 18 W | GX 24 q-2 | 1200 | 360 | 110 | 175 |
| 6722 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 420 | 110 | 225 |
| 6723 | 1 TC-TELI | 42 W | GX 24 q-3/4 | 3200 | 490 | 110 | 275 |
| 7876 | 1 QT 32 | 70 W | E 27 | 1180 | 360 | 110 | 175 |
| 7877 | 1 QT 32 | 100 W | E 27 | 1800 | 420 | 110 | 225 |
| 8101 | 2 QT 32 | 70 W | E 27 | 2360 | 490 | 110 | 275 |



Luminous flux 710-1800 lumen Protection class IP 44

These luminaires became classics long ago, being used more and more as impressive references to bygone times.

Luminaires for historic or contemporary buildings in which a hint of tradition is desired.

Luminaires with hand-blown opal glass for uniform, smooth light distribution with a high degree of visual comfort.

Luminaires for fluorescent lamps and lamps for screw base E 27.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TEL and TC-RELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.









White Chrome

Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E 27

Protection class IP 44

Hand-blown opal glass with twist-lock closure Luminaire housing made of metal

Surface finish options

- White enamel RAL 9010
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.





| White | Chrome | Brass | Light source | | Base | Lumen | Α | В |
|--------------|--------------|--------------|-----------------------|--------------|--------------------|------------|------------|-----|
| 8828 8829 | 8968 8969 | 8826 8827 | 1 TC-TEL 1 TC-TELI | | GX24q-1 GX24q-3 | | 250 300 | |
| 7719 7720 | 8966 8967 | 7721 7722 | 2 100000000 | 60 W 75 W | E 27 E 27 | 710 935 | 250 300 | 200 |



Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 740 - 6400 lumen
Protection class IP 55

Luminaires in six sizes for fluorescent or energy-saving halogen lamps.

High-quality, hand-blown luminaire glass with an unmistakable characteristic shape. Optionally with glossy or satin matt opal glass finish. The high precision and distinct contouring of the glass edge are impressive features.

A wide glass projection and an extremely flat design make these luminaires masterpieces of craftsmanship with a high degree of aesthetic quality.

For particular projects areas we can also supply this series with an impact resistant synthetic cover.

All technical data are given in the instructions for use for these luminaires.







Ceiling and wall luminaires for fluorescent and halogen lamps

Protection class IP 55

Hand-blown opal glass with thread, optional:

• satin matt

glossy

or luminaires for fluorescent lamps with a diameter of up to 460 mm with identically designed cover made of impact resistant synthetic material

Backplate made of die cast aluminium · White enamel RAL 9010

With 2 cable entries for through-wiring. 6654 · 6655 1 Cable entry

The required ballast is installed in luminaires for fluorescent lamps. Luminaires for $1\times42\,\text{W}$ fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for $32\,\text{W}$ fluorescent lamps can also be operated with $26\,\text{W}$ lamps.



| Opal glass, satin matt | Opal glass glossy | Synthetic cover | Light source | | Base | Lumen | А | В | С |
|---------------------------|----------------------|--------------------|--------------|-------|-----------|-------|-----|-----|-----|
| 8557 | 8550 | 8550 P | 1 TC-T | 18 W | GX24d-2 | 1200 | 280 | 105 | 175 |
| 8558 | 8551 | 8551 P | 1 TC-T | 26 W | GX24d-3 | 1800 | 330 | 105 | 225 |
| 8559 | 8552 | 8552 P | 2 TC-T | 26 W | GX24d-3 | 3600 | 390 | 105 | 275 |
| 7307 | 7871 | 7871 P | 2 TC-D | 26 W | G24d-3 | 3600 | 460 | 120 | 315 |
| 8560 | 8553 | 8553 P | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 280 | 105 | 175 |
| 8561 | 8554 | 8554 P | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 330 | 105 | 225 |
| 8562 | 8555 | 8555 P | 1 TC-TELI | 42 W | GX24q-3/4 | 3200 | 390 | 105 | 275 |
| 8563 | 8556 | 8556 P | 2 TC-TELI | 32 W | GX24 q-3 | 4800 | 460 | 120 | 315 |
| 8112 | 8114 | _ | 2 TC-TELI | 42 W | GX24q-4 | 6400 | 550 | 155 | 375 |
| 6654 | 6655 | _ | 1 QT 14 | 48 W | G 9 | 740 | 240 | 85 | 145 |
| 7300 | 7864 | _ | 1 QT 32 | 70 W | E 27 | 1180 | 280 | 105 | 175 |
| 7301 | 7865 | _ | 1 QT 32 | 100 W | E 27 | 1800 | 330 | 105 | 225 |
| 7302 | 7866 | _ | 2 QT 32 | 70 W | E 27 | 2360 | 390 | 105 | 275 |
| 7303 | 7867 | _ | 2 QT 32 | 100 W | E 27 | 3600 | 460 | 120 | 315 |



LED ceiling and wall luminaires

Luminous flux 850 - 3390 lumen

Ceiling and wall luminaires with integral LEDs. Luminaires with hand-blown three-ply opal glass in a contemporary style and impressive LED technology. Two diameters are now available for your designs. A new development is the possibility to choose the light output in the 420-mm-diameter version. This additional option means that both output and number of luminaires can be used as factors in the lighting planning and interior design.

Despite having the same lumen ratings, the luminous efficiency of LED luminaires is significantly higher than that of conventional lamps. The LEDs emit the majority of the light in the desired direction, like mini-floodlights. Their dimming ability, service life and choice of colour temperature are also impressive.

All the technical data can be found in the instructions for use for these luminaires.



LED Ceiling and wall luminaires

Hand-blown opal glass, with twist-lock closure

Backplate made of metal

White enamel RAL 9010

With 2 cable entries for through-wiring.

2299 with integral power supply unit, dimmable from 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4





| | Light so | urce | Base | Lumen | :A: | В | |
|------|----------|--------|------|-------|-----|-------|-----|
| 2296 | LED | 8,6 W | _ | 850 | 350 | 83 | 240 |
| 2298 | LED | 15,2 W | _ | 1490 | 420 | 10000 | 280 |
| 2299 | LED | 34,7 W | _ | 3390 | 420 | 95 | 280 |



Ceiling and wall luminaires for fluorescent, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 980 - 4800 lumen Protection class IP 44

Luminaires in four sizes for fluorescent, energy-saving halogen lamps and lamps for screw base F 27

High-quality, hand-blown luminaire glass with an unmistakable characteristic shape.

A wafer-thin layer of opal glass, enclosed between two crystal glass layers, diffuses the light uniformly and pleasantly in the room.

The high precision and distinct contouring of the glass edge are impressive features.

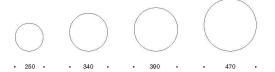
The flat design of the glass and the large projection in relation to the backplate require maximum craftsmanship and characterise the aesthetic quality of the luminaires.

For particular projects we can also supply this series with an impact resistant synthetic cover. There are currently many different lamps for the E 27 screw base, such as:

LED lamps, energy-saving halogen lamps and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the

All technical data are given in the instructions for use for these luminaires.







Ceiling and wall luminaires

for fluorescent, halogen lamps and lamps for screw base ${\sf E}$ 27

Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure or luminaires for fluorescent lamps with identical design made of impact resistant synthetic material.

Backplate made of metal

• White enamel RAL 9010

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for $32\,\mathrm{W}$ fluorescent lamps can also be operated with $26\,\mathrm{W}$ lamps.





| Opal glass | Synthetic cover | Light source | | Base | Lumen | A | В | О |
|---------------|-----------------|--------------|------|---------|-------|-----|----|-----|
| 8767 | 8767 P | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 340 | 85 | 265 |
| 6635 | 6635 P | 2 TC-TELI | 26 W | GX24q-3 | 3600 | 390 | 85 | 300 |
| 6636 | 6636 P | 2 TC-TELI | 32 W | GX24q-3 | 4800 | 470 | 95 | 360 |
| 8889 | _ | 1 QT 14 | 60 W | G 9 | 980 | 250 | 70 | 170 |
| 8764 | _ | 2 lamps | 60 W | E 27 | 1420 | 340 | 85 | 265 |
| 8765 | _ | 2 lamps | 75 W | E 27 | 1870 | 390 | 85 | 300 |
| 8766 | _ | 3 lamps | 60 W | E 27 | 2130 | 470 | 95 | 360 |



Ceiling and wall luminaires for fluorescent lamps, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 980 - 3600 lumen Protection class IP 44

Luminaires in three sizes for fluorescent lamps, energy-saving halogen lamps and lamps for screw base E 27.

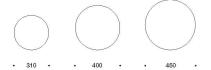
High-quality, hand-blown luminaire glass with a distinctive and characteristic shape.

A wafer-thin layer of opal glass, enclosed between two crystal glass layers, distributes the light uniformly and attractively in the room.

The high precision and distinct contouring of the glass edge are impressive features of the luminaire glass. The flat design of the glass and the large projection in relation to the fitting require maximum craftsmanship and characterise the aesthetic quality of the luminaires. For special usage areas, we can also supply this series with impact-resistant synthetic cover. There are now many different lamps for the screw base E 27, such as LED, energy-saving halogen and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For a particularly uniform illumination, we recommend the luminaires specified in the table for TC-TELI fluorescent and OT 14 balogen lamps.

All the technical data can be found in the instructions for use for these luminaires







Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure

Backplate made of metal

Polished aluminium

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light source | | Base | Lumen | Α | В | С | D |
|------|--------------|------|-----------|-------|-----|----|-----|-----|
| 1826 | 1 TC-TELI | 26 W | GX 24 q-3 | | 400 | - | 265 | |
| 1827 | 2 TC-TELI | 26 W | GX 24 q-3 | 3600 | 450 | 85 | 300 | 390 |
| 1861 | 1 QT 14 | 60 W | G 9 | 980 | 310 | 70 | 170 | 250 |
| 1857 | 2 lamps | 60 W | E 27 | 1420 | 400 | 85 | 265 | 340 |
| 1858 | 2 lamps | 75 W | E 27 | 1870 | 450 | 85 | 300 | 390 |



Luminous flux 400 - 4800 lumen Protection class IP 44

Luminaires in five sizes for fluorescent lamps and lamps for screw base E 14 \cdot E 27. Luminaires for walls and ceilings, with which the majority of planning and project tasks can be solved in the interior.

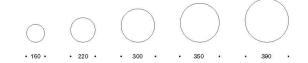
Solid, reliable light tools that will perform their task over a long period of time.

There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For extremely uniform illumination we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E14 · E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E14 \cdot E 27 and all technical data are given in the instructions for use for these luminaires.





Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure

Backplate made of die-cast aluminium
• White enamel RAL 9010

With 2 cable entries for through-wiring. $8090 \cdot 8009 \cdot 8010$ 1 Cable entry

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 32 W fluorescent lamps can also be operated with 26W lamps.



| | Light source | | Base | Lumen | А | В | C |
|------|--------------|------|---------|-------|-----|-----|-----|
| 8090 | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 220 | 90 | 195 |
| 8091 | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 300 | 100 | 265 |
| 8342 | 1 TC-TELI | 42 W | GX24q-4 | 3200 | 350 | 120 | 305 |
| 8092 | 2 TC-TELI | 32 W | GX24q-3 | 4800 | 390 | 120 | 355 |
| 8009 | 1 lamp | 40 W | E14 | 400 | 160 | 80 | 130 |
| 8010 | 1 lamp | 75 W | E 27 | 935 | 220 | 90 | 195 |
| 8011 | 2 lamps | 60 W | E 27 | 1420 | 300 | 100 | 265 |
| 8340 | 2 lamps | 75 W | E 27 | 1870 | 350 | 120 | 305 |
| 8012 | 3 lamps | 75 W | E 27 | 2805 | 390 | 120 | 355 |



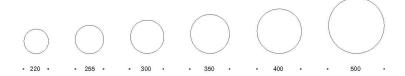
Luminous flux 935 - 8600 lumen Protection class IP 44

Luminaires in six sizes, optionally with satin matt or glossy opal glass finish. Luminaires for fluorescent lamps and lamps for screw base E 27. There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







Protection class IP 44

Hand-blown opal glass with twist-lock closure, optional:

- satin matt
- glossy

Backplate made of die-cast aluminium

• White enamel RAL 9010

With 2 cable entries for through-wiring.
Luminaires with Ø220 mm and Ø255 mm 1 cable entry

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.



| Opal glass, satin matt | Opal glass, glossy | Light source | e | Base | Lumen | А | В | C |
|---------------------------|-----------------------|--------------|-------|------------|-------|-----|-----|-----|
| 6948 | 6986 | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 220 | 110 | 195 |
| 6949 | 6987 | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 255 | 125 | 230 |
| 6960 | 6988 | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 300 | 145 | 265 |
| 6961 | 6989 | 1 TC-TELI | 42 W | GX24 q-3/4 | 3200 | 350 | 170 | 310 |
| 6972 | 6990 | 2 TC-TELI | 32 W | GX24q-3 | 4800 | 400 | 195 | 355 |
| 6973 | 6991 | 2 TC-TELI | 57 W | GX24q-5 | 8600 | 500 | 240 | 460 |
| 6984 | 6980 | 1 lamp | 75 W | E 27 | 935 | 220 | 110 | 195 |
| 6985 | 6981 | 1 lamp | 100 W | E 27 | 1340 | 255 | 125 | 230 |
| 6936 | 6982 | 2 lamps | 60 W | E 27 | 1420 | 300 | 145 | 265 |
| 6937 | 6983 | 2 lamps | 75 W | E 27 | 1870 | 350 | 170 | 310 |





Luminous flux 935 - 4800 lumen Protection class IP 44

Interpretation of a classic. It often appears impossible to improve on something that has been around for a long time. However, we have re-interpreted this classic luminaire design: contemporary and equipped with the latest lamp technology, this luminaire series is the continuation of a long tradition.

Distinctly contoured glass with a wide projection in relation to the die-cast aluminium housing lights up the installation surface just as uniformly as the room. Perfect design elements for modern lighting design – timeless, solid and reliable.

Luminaires for fluorescent lamps and lamps for screw base E 27

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

For particular projects we can supply this series with an impact resistant sythetic cover. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







White aluminium

Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E 27

Protection class IP 44

Hand-blown opal glass, satin matt, with twist-lock closure or luminaires for fluorescent lamps \geq 300 mm with identical impact resistant sythetic cover

Backplate made of die-cast aluminium Surface finish options

- White enamel RAL 9010
- White aluminium enamel RAL 9006

With 2 cable entries for through-wiring.

Luminaires with Ø250 mm and Ø300 mm 1 cable entry

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for $32\,\text{W}$ fluorescent lamps can also be operated with $26\,\text{W}$ lamps.





| Whit | е | | | | | | | |
|---------------|-------------------|--------------|-------|-----------|-------|-----|-----|-----|
| Opal glass | Sythetic cover | Light source | | Base | Lumen | Α | В | С |
| 8281 | | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 250 | 100 | 195 |
| 8282 | 8282 P | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 300 | 115 | 230 |
| 8283 | 8283 P | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 340 | 130 | 265 |
| 8284 | 8284 P | 1 TC-TELI | 42 W | GX24q-3/4 | 3200 | 390 | 150 | 305 |
| 8285 | 8285 P | 2 TC-TELI | 32 W | GX24q-3 | 4800 | 450 | 175 | 355 |
| 8212 | = | 1 lamp | 75 W | E 27 | 935 | 250 | 100 | 195 |
| 8213 | | 1 lamp | 100 W | E 27 | 1340 | 300 | 115 | 230 |
| 8214 | | 2 lamps | 60 W | E 27 | 1420 | 340 | 130 | 265 |
| 8215 | | 2 lamps | 75 W | E 27 | 1870 | 390 | 150 | 305 |
| 8216 | | 3 lamps | 75 W | E 27 | 2805 | 450 | 175 | 355 |

| White | aluminiun | n | | | | | | |
|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|---|--------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Opal glass | Sythetic cover | Light source | | Base | Lumen | А | В | С |
| 8286 8287 8288 8289 8290 | 8287 P 8288 P 8289 P 8290 P | 1 TC-TELI 1 TC-TELI 1 TC-TELI | 18 W 26 W 32 W 42 W 32 W | GX24q-2 GX24q-3 GX24q-3 GX24q-3/4 GX24q-3 | 1200 1800 2400 3200 4800 | 250 300 340 390 450 | 100 115 130 150 175 | 195 230 265 305 355 |
| 8222 8223 8224 8225 8226 | | 1 lamp 1 2 lamps 2 lamps | 75 W 00 W 60 W 75 W 75 W | E 27 E 27 E 27 E 27 E 27 | 935 1340 1420 1870 2805 | 250 300 340 390 450 | 100 115 130 150 175 | 195 230 265 305 355 |

Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E 14 · E 27

Luminous flux 400 - 3600 lumen Protection class IP 44

Luminaires with shallow projections in different sizes. Many different uses as ceiling or wall luminaires. Square and rectangular.

The rectangle can be installed horizontally or vertically. Arranged singly or in groups, they are light modules that enhance the architecture by day and night.

Three-ply opal glass elements with a satin matt finish are held in place with solid cast housings made of high-quality aluminium. Solid, reliable light tools that will perform their task over a long period of time.

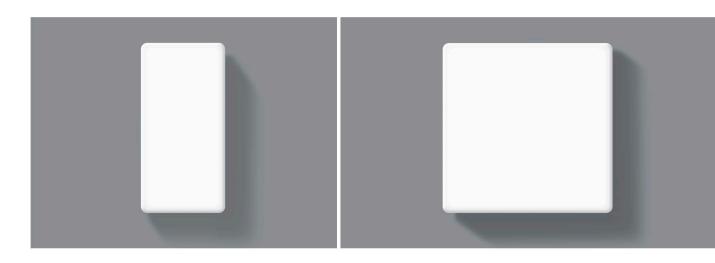
Luminaires for fluorescent lamps and lamps for screw base E14 \cdot E 27.

There are many different lamps for the E14 and E27 screw bases nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL fluorescent lamps that are specified in the table. For luminaires with an E14 · E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 14 \cdot E 27 and all technical data are given in the instructions for use for these luminaires.





Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E14 \cdot E 27

Protection class IP 44

Hand-blown opal glass, satin matt Backplate made of die-cast aluminium

White enamel RAL 9010

1846 for wall mounting only

Luminaires for fluorescent lamps with integral electronic ballasts.



| Recta | ingle | | | | | | |
|-------|--------------|------|--------|-------|-----|-----|-----|
| | Light source | | Base | Lumen | .A | В | О |
| 1843 | 1 TC-DEL | 26 W | G24q-2 | 1200 | 210 | 100 | 90 |
| 1844 | 1 TC-DEL | | G24q-3 | 1800 | 300 | 100 | 100 |
| 1846 | 2 TC-DEL | | G24q-3 | 3600 | 450 | 100 | 100 |
| 3161 | 1 lamp | 60 W | E 27 | 710 | 210 | 100 | 90 |
| 3162 | 2 lamps | 40 W | E 27 | 830 | 300 | 100 | 100 |
| 3786 | 3 lamps | 40 W | E 27 | 1245 | 450 | 100 | 100 |



| Squa | re | | | | | |
|------|--------------|-----------|-------|-----|-----|-----|
| | Light source | Base | Lumen | Α | В | О |
| 8094 | 1 TC-DEL 18 | W G24q-2 | 1200 | 210 | 210 | 120 |
| 8095 | 1 TC-TELI 26 | W GX24q-3 | 1800 | 280 | 280 | 130 |
| 8096 | 2 TC-DEL 26 | W G24q-3 | 3600 | 320 | 320 | 130 |
| 8016 | 1 lamp 40 ' | W E14 | 400 | 160 | 160 | 90 |
| 8017 | 1 lamp 75 | W E 27 | 935 | 210 | 210 | 120 |
| 8018 | 2 lamps 60 ' | W E 27 | 1420 | 280 | 280 | 130 |
| 8019 | 4 lamps 40 ' | W E 27 | 1660 | 320 | 320 | 130 |

LED ceiling and wall luminaires

Luminous flux 245 -1230 lumen

Ceiling and wall luminaires with three different sizes and two surface finish options. A particular LED technology that we have specially adapted to these luminaires makes it possible to achieve this compact design. A shallow projection, a low connected load and a large luminous flux are the result of the development. Expertly manufactured crystal glass with extraordinarily heavy material and a precision luminaire housing unmistakably characterise the design of these new luminaires.

Unlike conventional lights, LED emit the majority of the light in the right direction like mini-floodlights. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps.

The dimmability, the service life and the choice of colour temperature are also impressive. Luminaires with which many interior lighting tasks can be solved. Solid, reliable light tools that will perform their task over a long period of time. All technical data are given in the instructions for use for these luminaires.







Stainless steel

Chrome

LED ceiling and wall luminaires

Crystal glass, inside white Luminaire housing made of aluminium Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

1817 · 1820 1 Cable entry

1817 · 1820 with 24 VDC LED for separate power supply unit · Safety class III · For power supply unit technical data see page 323.

Integral power supply unit.

1818 · 1821 · 1819 · 1822 dimmable 1-10 V.

Colour temperature 3000 K.

Also available with 4000 K on request.

 $3000\,\mathrm{K}\cdot\mathrm{Article}$ number

4000 K · Article number + K4





| S/steel | Chrome | Light s | source | Lumen | Α | В | С |
|---------|--------|---------|--------|-------|-----|-----|----|
| 1817 | 1820 | LED | 4.0 W | 245 | 85 | 85 | 70 |
| 1818 | 1821 | LED | 9.6 W | 825 | 155 | 155 | 70 |
| 1819 | 1822 | LED | 13.8 W | 1230 | 195 | 195 | 70 |



Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 740 - 3200 lumen Protection class IP 44

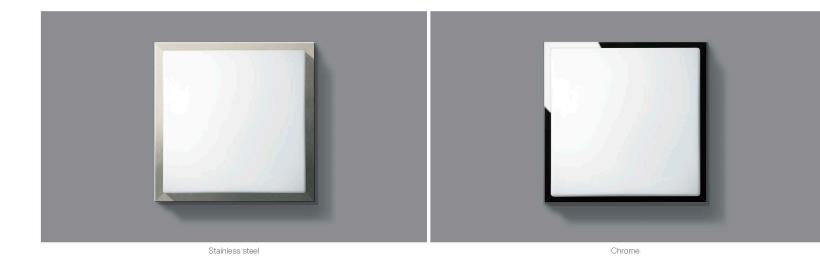
We have re-interpreted this classic luminaire design: contemporary, simple and equipped with the latest lamp technology, this luminaire series is the continuation of a long tradition. Luminaires in three sizes for fluorescent and energy-saving halogen lamps.

A series with outstanding quality with precision metal housings, sophisticated finishes and hand-blown three-ply opal glass.

For either ceiling or wall mounting. These luminaires are particularly suitable for arrangement in groups. Luminaires with which many interior lighting tasks can be solved. Protection class IP 44 is also ideal for providing safety in the bathroom. Solid, reliable light tools that will perform their task over a long period of time.

All technical data are given in the instructions for use for these luminaires.





Ceiling and wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of aluminium

Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring. Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps.



| Surface f S/steel | Chrome | Light source | | Base | Lumen | А | В | С |
|----------------------|----------------------|-------------------------------|----------------------|------------------------|--------------------|-----|---|----------------|
| 8741 8742 | 8746 8747 | 1 TC-TELI 1 TC-TELI | | GX24 q-3 GX24 q-3/4 | 1800 3200 | | 200 275 | 90 95 |
| 8738 1954 1955 | 8743 1969 1970 | 1 QT 14 1 QT 14 2 QT 14 | 48 W 60 W 60 W | G 9 G 9 G 9 | 740 980 1960 | 200 | 000000000000000000000000000000000000000 | 70 90 95 |

Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 980 - 4300 lumen Protection class IP 44

Luminaires in three sizes for fluorescent lamps and energy-saving halogen lamps.

A series with outstanding quality with precision metal housings, sophisticated finishes and hand-blown three-ply opal glass.

For either ceiling or wall mounting. These luminaires are particularly suitable for arrangement in groups.

Luminaires with which many interior lighting tasks can be solved.

Protection class IP 44 is also ideal for providing safety in the bathroom.

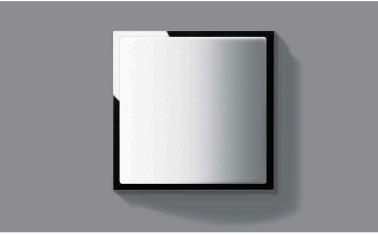
Solid, reliable light tools that will perform their task over a long period of time.

All technical data are given in the instructions for use for these luminaires.









Stainless steel Chrome

Ceiling and wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of aluminium Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.

8669 · 8671 wall luminaires only



| Surface : | finish | | | | | | | |
|-----------|--------|--------------|------|---------|-------|-----|-----|-----|
| S/steel | Chrome | Light source | | Base | Lumen | A | В | С |
| 8330 | 8386 | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 225 | 225 | 90 |
| 8331 | 8387 | 1 TC-TELI | 42 W | GX24q-4 | 3200 | 295 | 295 | 110 |
| 8669 | 8671 | 1 TC-TELI | 57 W | GX24q-5 | 4300 | 320 | 320 | 125 |
| 2061 | 2062 | 1 QT 14 | 60 W | G 9 | 980 | 225 | 225 | 90 |
| 2063 | 2064 | 2 QT 14 | 60 W | G 9 | 1960 | 295 | 295 | 110 |



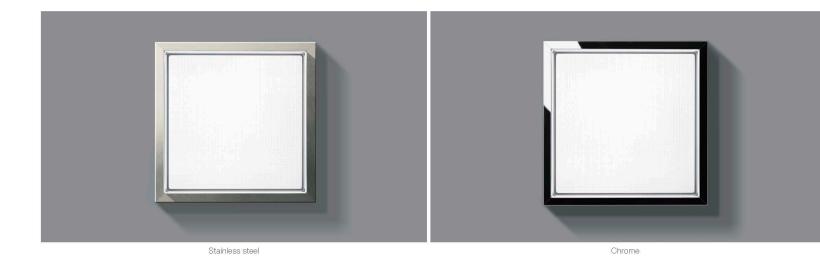
Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1180 - 2400 lumen Protection class IP 44

Luminaires in two sizes for fluorescent or energy-saving halogen lamps. Crystal glass elements with a light-diffusing structure uniformly distribute the light. Striking glass edges give the light brilliance, and also emphasise the robustness of the glass. Luminaire housings with different exquisite surface finishes complete the overall impression of the luminaires. For either ceiling or wall mounting. These luminaires are particularly suitable for arrangement in groups. Luminaires with which many interior lighting tasks can be solved. Protection class IP 44 is also ideal for providing safety in the bathroom. Solid, reliable light tools that will perform their task over a long period of time. All technical data are given in the instructions for use for these luminaires.







Ceiling and wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Crystal glass with a light-diffusing texture, inside white Luminaire housing made of die-cast aluminium Aluminium cover frame Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring. $8723 \cdot 8935 \cdot 8720 \cdot 8933$ 1 Cable entry Luminaires for fluorescent lamps with integral electronic ballasts.



| Surface : | finish | | | | | | | |
|-----------|--------|--------------|-------|---------|-------|-----|-----|----|
| S/steel | Chrome | Light source |) | Base | Lumen | А | В | С |
| 8723 | 8935 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 210 | 210 | 80 |
| 8724 | 8936 | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 260 | 260 | 90 |
| 8720 | 8933 | 1 QT 32 | 70 W | E 27 | 1180 | 210 | 210 | 80 |
| 8721 | 8934 | 1 QT 32 | 100 W | E 27 | 1800 | 260 | 260 | 90 |



Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1180 - 4300 lumen Protection class IP 44

Luminaires in three sizes for fluorescent or energy-saving halogen lamps. Crystal glass elements made of crystal glass with a light-diffusing structure uniformly distribute the light. Striking glass edges give the light brilliance, and also emphasise the robustness of the glass. Precision luminaire housings with different exquisite surface finishes complete the overall impression of the luminaires. For either ceiling or wall mounting.

These luminaires are particularly suitable for arrangement in groups. Luminaires with which many interior lighting tasks can be solved. Protection class IP 44 is also ideal for providing safety in the bathroom.

Solid, reliable light tools that will perform their task over a long period of time. All technical data are given in the instructions for use for these luminaires.









Stainless steel Chrome

Ceiling and wall luminaires for fluorescent and halogen lamps

Protection class IP 44

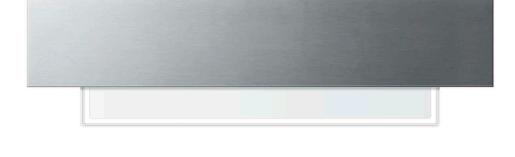
Crystal glass with a light-diffusing texture, inside white Luminaire housing made of die-cast aluminium Aluminium cover frame Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring. $8853 \cdot 8856 \cdot 8937 \cdot 8940$ 1 Cable entry Luminaires for fluorescent lamps with integral electronic ballasts.



| Surface 1 | finish | | | | | | | |
|-----------|--------|--------------|-------|---------|-------|-----|-----|-----|
| S/steel | Chrome | Light source | 9 | Base | Lumen | Α | В | С |
| 8856 | 8940 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 210 | 210 | 80 |
| 8857 | 8941 | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 260 | 260 | 90 |
| 8858 | 8942 | 1 TC-TELI | 57 W | GX24q-5 | 4300 | 315 | 315 | 100 |
| 8853 | 8937 | 1 QT 32 | 70 W | E 27 | 1180 | 210 | 210 | 80 |
| 8854 | 8938 | 1 QT 32 | 100 W | E 27 | 1800 | 260 | 260 | 90 |
| 8855 | 8939 | 2 QT 14 | 60 W | G 9 | 1960 | 315 | 315 | 100 |



Ceiling and wall luminaires with LED or for fluorescent lamps

Luminous flux 700 - 4800 lumen Protection class IP 65

Luminaires in three sizes with integral LED or for fluorescent lamps.

New in this product range ist the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

The housing components consist of corrosion-proof die-cast aluminium.

A special mechanism makes it easy to open and close the luminaires. The visible die-cast aluminium components of the luminaires are individually brushed by hand, and then protected with a transparent enamel. This creates an extremely sophisticated finish with unmistakable, expertly manufactured aesthetics.

Compact, robust luminaires with a high protection class for use in many areas of interior architecture – particularly in applications where extremely high standards of light- and material quality are required.

All technical data are given in the instructions for use for these luminaires.









Ceiling and wall luminaires with LED or for fluorescent lamps

Protection class IP 65

Crystal glass, inside white Luminaires for fluorescent lamps have a reflector made of pure anodised aluminium Luminaire housing made of die-cast aluminium

Matt brushed aluminium

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.

LED luminaires with integral power supply unit, dimmable from 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + K4





| | Light source | | Base | Lumen | Α | В | С |
|------|--------------|------|-------------|-------|-----|-----|-----|
| 7546 | LED | 10 W | - | 700 | 210 | 210 | 80 |
| 7547 | LED | 25 W | _ | 1670 | 260 | 260 | 90 |
| 7548 | LED | 40 W | _ | 2800 | 320 | 320 | 100 |
| 8343 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 210 | 210 | 80 |
| 8344 | 1 TC-TELI | 42 W | GX 24 q-3/4 | 3200 | 260 | 260 | 90 |
| 8345 | 2 TC-TELI | 32 W | GX 24 q-3 | 4800 | 320 | 320 | 100 |



Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 460 - 1800 lumen
Protection class IP 44

Ceiling and wall luminaires for fluorescent or energy-saving halogen lamps. Luminaires with precision metal housings, sophisticated finishes and hand-blown three-ply opal glass.

For either ceiling or wall mounting.

These luminaires are particularly suitable for arrangement in groups.

Luminaires with which many interior lighting tasks can be solved. Protection class IP 44 is also ideal for providing safety in the bathroom.

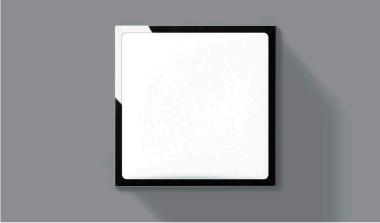
Solid, reliable light tools that will perform their task over a long period of time. All technical data are given in the instructions for use for these luminaires.





- 170 --120 -





Stainless steel Chrome

Ceiling and wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of aluminium Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring. Luminaires for fluorescent lamps with integral electronic ballasts.





| Surface t | inish | | | | | | | |
|-----------|--------|--------------|------|-----------|-------|-----|-----|-----|
| S/steel | Chrome | Light source | | Base | Lumen | А | В | С |
| 8964 | 8965 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 170 | 170 | 185 |
| 7944 | 7960 | 1 QT 14 | 33 W | G 9 | 460 | 120 | 120 | 135 |
| 7946 | 7962 | 1 OT 14 | 60 W | G 9 | 980 | 170 | 170 | 185 |



Ceiling and wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 740 - 3200 lumen

A new series of luminaires for ceiling and wall mounting. Luminaires with impressive crystal glass elements in three sizes for fluorescent and energy-saving halogen lamps.

The white inner body of the glass appears to be sealed in clear crystal glass. This embedding provides pleasantly smooth light with a brilliant shining effect. The luminaires generate their light graphics and appear to be housing-less. Metal elements that are carefully incorporated into the glass close off the lamp compartment using a reliable bayonet lock. The installation of the luminaire and relamping are convincingly user friendly. As individual luminaires or arranged in a formation, this »Light made of glass« series enhances the ambiance of any kind of interior architecture. All technical data are given in the instructions for use for these luminaires.







Ceiling and wall luminaires for fluorescent and halogen lamps

Crystal glass, inside white Backplate made of metal

• White enamel RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light source | | Base | Lumen | Α | В |
|------|--------------|------|-----------|-------|-----|----|
| 6715 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | 250 | 85 |
| 6716 | 1 TC-TELI | 42 W | GX 24 q-4 | 3200 | 300 | 85 |
| 6714 | 1 QT 14 | 48 W | G 9 | 740 | 200 | 75 |



LED ceiling and wall luminaires

Luminous flux 200-825 lumen Protection class IP 65

Compact and high-performance LED luminaires with unshielded light, excellent as wall and ceiling luminaires. Elegant luminaire housings without any visible screwed mounts. A die cast aluminium housing with three different finishes, the thick-walled crystal glass and the LED technology used make these luminaires durable and cost-effective companions in interior design.

The different finishes of the luminaire housing allow perfect coordination with existing or planned interior details.

On account of their high protection class against dust and water spray, they are also ideal for bathrooms and wet rooms, and meet the VDE regulations for such rooms. These economical luminaires with modern LED technology make an excellent impression thanks to their elegant looks, long service life and choice of colour temperature.

All the technical data are given in the instructions for use for these luminaires.







LED ceiling and wall luminaires

Protection class IP 65

Crystal glass, inside white Luminaire housing made of die-cast aluminium

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

2196 · 2199 · 2207 1 Cable entry

2196 · 2199 · 2207 with 24 VDC LED for separate power supply unit

 \cdot Safety class III \cdot For power supply unit technical data see page 323.

 $2197 \cdot 2198 \cdot 2205 \cdot 2206 \cdot 2210 \cdot 2211$ integral power supply unit Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

 $4000\,\mathrm{K}\cdot\mathrm{Article}$ number + **K4**



| White | S/steel | Chrome | Light source | | Lumen | Α | В |
|-------|---------|--------|--------------|-------|-------|-----|----|
| 2196 | 2199 | 2207 | LED | 3,0 W | 200 | 100 | 55 |
| 2197 | 2205 | 2210 | LED | 6,0 W | 515 | 160 | 65 |
| 2198 | 2206 | 2211 | LED | 9,6 W | 825 | 210 | 70 |





Ceiling and wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 935 - 3200 lumen

Luminaires in three sizes for fluorescent lamps and lamps for screw base E 27.

Hand-blown three-ply opal glass and high quality, sophisticated metal housings in four different materials.

The perfect shape of the sphere is probably one of the most

important design elements. As a basic geometrical shape, it always makes a beneficial and unique impression. Timeless beauty – pure and complete.

Classic luminaires as the continuation of a long tradition for many different lighting tasks.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





Ceiling and wall luminaires

for fluorescent lamps and lamps for screw base E 27

Hand-blown opal glass, satin matt, with thread Luminaire housing made of metal

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome

• Brass

The luminaires are suitable for through-wiring.

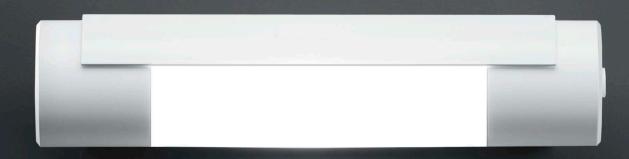
Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps.



| White | S/steel | Chrome | Brass | Light source | ė | Base | Lumen | Α | В | С |
|-------|---------|--------|-------|--------------|---------------------|-------------|-------|-----|-----|-----|
| 8484 | 8502 | 8490 | 8496 | 1 TC-TELI | 18 W | GX 24 q-2 | 1200 | 200 | 220 | 122 |
| 8485 | 8503 | 8491 | 8497 | 1 TC-TELI | 1 1 1 1 1 1 1 1 1 1 | GX 24 q-3 | 1800 | 250 | 275 | 150 |
| 8486 | 8504 | 8492 | 8498 | 1 TC-TELI | | GX 24 q-3/4 | 3200 | 300 | 330 | 180 |
| 8481 | 8499 | 8487 | 8493 | 1 lamp | 75 W | E 27 | 935 | 200 | 275 | 122 |
| 8482 | 8500 | 8488 | 8494 | 1 lamp | 100 W | E 27 | 1340 | 250 | | 150 |
| 8483 | 8501 | 8489 | 8495 | 1 lamp | 150 W | E 27 | 2160 | 300 | | 180 |



Pendant luminaires, pages 246 and 248



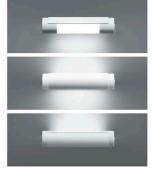
»VARIATA 1« infinitely adjustable light Luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1180 · 1200 lumen



The design and technology of these luminaires were based on the idea of directing the light of a lamp in different directions depending on the lighting requirement. The shield of the luminaire can be rotated around the longitudinal axis in any position. This allows the light aperture to be directed in one direction or the opposite direction, or in both directions if required (German patent 44 20 045). The hand-blown opal glass cylinder distributes the light softly and uniformly. The installation location of the luminaires should be selected with care in order to provide the perfect light effect. If no appropriate power supply is available, luminaires with a connecting cable and plug are available.

All technical data are given in the instructions for use for these luminaires.







White Stainless steel

Wall luminaires with infinitely adjustable light for fluorescent lamps and halogen lamps

Hand-blown opal glass Luminaire housing made of aluminium, die cast aluminium or stainless steel Surface finish options

- White enamel RAL 9010
- Stainless steel

Luminaires for fluorescent lamps with integral ballasts.

Toggle switch in the luminaire.

The luminaires can be opened easily and quickly without tools to change the light source.



| VARIA | ATA 1 | | | | | | | | |
|-------|-----------------------|----------------------|------|--------|-------|-----|-----|----|-----|
| White | Surface fi S/steel | nish Light source |) | Base | Lumen | | А | В | С |
| 4025 | 8122 | 1 TC-D | 18 W | G24d-2 | 1200 | LLB | 340 | 80 | 100 |
| 8875 | 8874 | 1 TC-DEL | 18 W | G24q-2 | 1200 | EB | 340 | 80 | 100 |
| 4024 | 8121 | 1 QT 32 | 70 W | E 27 | 1180 | | 340 | 80 | 100 |

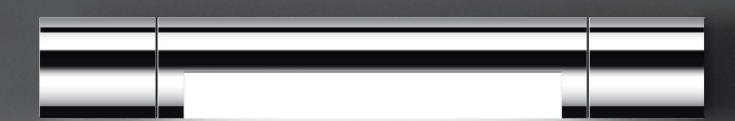


VARIATA 1 with connecting cable

Wall luminaires with 3000 mm connecting cable and plug for connecting to a socket

| White | Light sourc | е | Base | Lumen | | Α | В | С |
|-------|-------------|------|--------|-------|-----|-----|----|-----|
| 7049 | 1 TC-D | 18 W | G24d-2 | 1200 | LLB | 340 | 80 | 100 |
| 7048 | 1 QT 32 | 70 W | E 27 | 1180 | | 340 | 80 | 100 |

LLB = low-loss ballast · EB = electronic ballast



»VARIATA 2« infinitely adjustable light Luminaires with LED or for fluorescent lamps

Luminous flux 720 · 2900 lumen

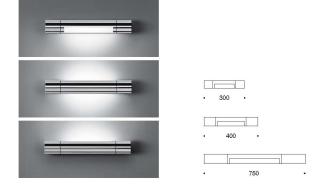


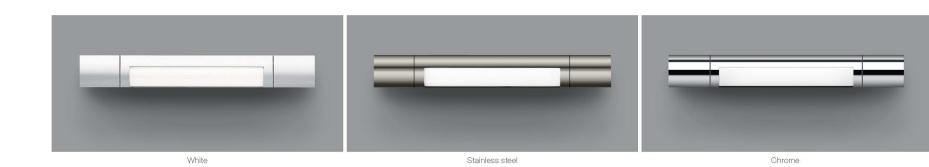
Wall luminaires in two lengths, available in three different materials.

The design and technology of these luminaires allows the light from the lamp to be directed in several directions. The light aperture is always 170° and can be infinitely adjusted around the luminaire axis. The luminaires provide adjustable light for reading and for many areas where the amount of light needs to be adapted to the requirements of the situation.

The correct installation location is extremely important for an optimum light effect. If no appropriate power supply is available, luminaires with a connecting cable and plug are available.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires with infinitely adjustable light

Hand-blown opal glass Luminaire housing made of aluminium, die cast aluminium or stainless steel Surface finish options

with LED or for fluorescent lamps

- White enamel RAL 9010
- Stainless steel
- Chrome

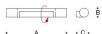
Luminaires with integral ballasts.

Toggle switch in the luminaire.

The luminaires can be opened easily and quickly without tools to change the light source. Clearance of 50 % of the overall length (A) is required for light relamping.

LED luminaires with integral power supply unit. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| VARIA | ATA 2 | | | | | | | | | |
|--------------|----------------------|-----------------|--------------------|----------------|------------------|--------------|-----------|------------|----------|------------|
| White | Surface f S/steel | inish Chrome | Light sourc | e | Base | Lumen | | А | В | С |
| 2080 | 2081 | 2082 | LED | 8.2 W | = | 720 | | 300 | 55 | 80 |
| 7132 8878 | 8453 8876 | 7133 8877 | 1 TC-D 1 TC-DEL | 18 W _ 18 W | G24d-2 G24q-2 | 1200 1200 | LLB EB | 400 400 | 65 65 | 80 80 |
| 7403 8881 | 8454 8879 | 7414 8880 | 1 TC-L 1 TC-L | 36 W 36 W | 2G11 2G11 | 2900 2900 | LLB EB | 750 750 | 70 70 | 100 100 |



VARIATA 2 with connecting cable

Wall luminaires with 3000 mm connecting cable and plug for connecting to a socket

| 7398 | 8455 | 7399 | 1 TC-D | 18 W | G24d-2 | 1200 | LLB | 400 | 65 | 80 |
|-------|-----------|--------|------------|------|--------|-------|-----|-----|----|----|
| White | S/steel | Chrome | Light sour | ce | Base | Lumen | | Α | В | С |
| | Surface t | finish | | | | | | | | |

LLB = low-loss ballast · EB = electronic ballast



»VARIATA 3« infinitely adjustable light Luminaires for fluorescent lamps

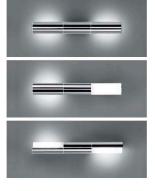
Luminous flux 2400 lumen



Wall luminaires, available in three different materials.

The two glass elements of the luminaire can be independently rotated to any position. The light aperture of the shielded opal glass is always 180° and can be adjusted 360° around the luminaire axis. The luminaires provide adjustable light for reading and for many areas where the amount of light needs to be adapted to the requirements of the situation.

The luminaires are opened easily and quickly without the use of tools (German patent 44 20 045). All technical data are given in the instructions for use for these luminaires.





Wall luminaires with infinitely adjustable light for fluorescent lamps

Two hand-blown opal glass elements with thread Luminaire housing made of aluminium, die cast aluminium or stainless steel Surface finish options

- White enamel RAL 9010
- Chrome
- Gold, 24 carat

Luminaires with integral ballasts.

Toggle switch in the luminaire.

Installation surface 145 x 50 mm in the centre of luminaire.



| 7669 | 7670 | 7671 | 2 TC-D 18 W | G24d-2 | 2400 | LLB | 540 | 70 | 95 | |
|-------|--------|------|--------------|--------|-------|-----|-----|----|----|--|
| White | Chrome | Gold | Light source | Base | Lumen | | Α | В | С | |

LLB = low-loss ballast



Bracket on the left



Bracket on the right

»VARIATA 3« infinitely adjustable light
Luminaires for fluorescent lamps and lamps for screw base E 14

Luminous flux 400 · 1200 lumen



Optionally with the mounting bracket on the left or the right of the glass. The luminaires can also be installed in a vertical position.

The light aperture of the shielded opal glass elements is always 180° and can be infinitely adjusted by 360° around the luminaire axis.

The luminaires provide adjustable light for reading and for many areas where the amount of light needs to be adapted to the requirements of the situation.

The luminaires are opened easily without the use of tools (German patent 44 20 045).

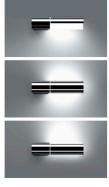
There are many different lamps for the E14 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

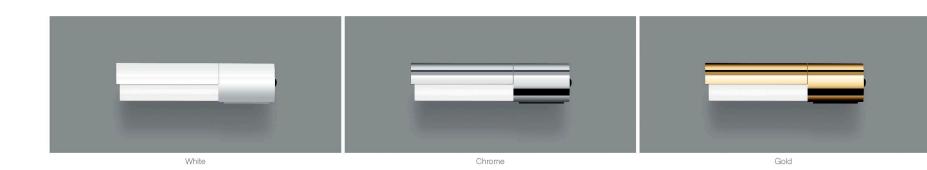
Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For extremely uniform illumination we recommend the luminaires for the TC-D fluorescent lamps that are specified in the table.

For luminaires with an E14 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E14 and all technical data are given in the instructions for use for these luminaires.







Wall luminaires with infinitely adjustable light for fluorescent lamps and lamps for screw base E14

Hand-blown opal glass with thread Luminaire housing made of aluminium, die cast aluminium or stainless steel Surface finish options

- White enamel RAL 9010
- Chrome
- Gold, 24 carat

Luminaires for fluorescent lamps with integral ballasts.

Toggle switch in the luminaire.

Installation surface 80 x 50 mm left or right.



| VARIA | VARIATA 3 · Bracket on the left | | | | | | | | | |
|-------|--|------|------------|------|--------|-------|-----|-----|----|----|
| White | Chrome | Gold | Light sour | ce | Base | Lumen | | Α | В | С |
| 7116 | 7118 | 7117 | 1 TC-D | 18 W | G24d-2 | 1200 | LLB | 285 | 70 | 90 |
| 8043 | 8044 | 8045 | 1 lamp | 40 W | F14 | 400 | | 285 | 70 | 90 |



| VARIA | VARIATA 3 · Bracket on the right | | | | | | | | | | |
|-------|---|------|------------|------|--------|-------|-----|-----|----|----|--|
| White | Chrome | Gold | Light sour | ce | Base | Lumen | | Α | В | С | |
| 7519 | 7521 | 7522 | 1 TC-D | 18 W | G24d-2 | 1200 | LLB | 285 | 70 | 90 | |
| 8046 | 8047 | 8048 | 1 lamp | 40 W | E14 | 400 | | 285 | 70 | 90 | |

LLB = low-loss ballast



Ceiling and wall luminaires for fluorescent lamps

Luminous flux 1800 - 4800 lumen Protection class IP 44

Ceiling and wall luminaires in three sizes for fluorescent lamps.

The white inner body of the glass appears to be embedded in clear crystal glass.

This embedding provides pleasantly soft light

with a brilliant shining effect. The luminaires generate their own light graphics and appear to float without a housing.

As individual luminaires or arranged in a formation, this "light made from glass" series enhances the lighting of any interior.

All the technical data can be found in the instructions for use for these luminaires.

Ceiling and wall luminaires for fluorescent lamps Protection class IP 44

Protection class IP 42

Hand-blown crystal-opal glass, with thread

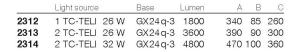
Backplate made of metal

• White enamel RAL 9010

With 2 cable entries for through-wiring.

The required ballast is installed in luminaires for fluorescent lamps. Luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.









Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 460 - 3200 lumen

This new series of luminaires is the beginning of a new chapter on the subject of »Light and Glass«. Our goal was to construct efficient luminaires that appear to be all glass.

Expertly manufactured, extremely solid crystal glass is the only visible component of this luminaire series. The white inner body of the glass appears to be embedded in clear crystal glass. This kind of blending in provide a pleasantly gentle light with brilliant shining effects.

Luminaires for operating energy-saving fluorescent lamps and lamps for economical and efficient light. Individually or in groups, they are minimalist light design elements of the interior architecture.



iF Product Design Award Gold Awards Ceremony 2010



Page 13:



Wall luminaires for fluorescent and halogen lamps

Crystal glass, inside white Backplate made of metal

• White enamel RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts.







| Block | | | | | | |
|-------|----------------|---------|-------|-----|--------|-----|
| | Light source | Base | Lumen | ,A | В | С |
| 8663 | 1 TC-TELI 18 W | GX24q-2 | 1200 | 235 | 100 | 100 |
| 8664 | 1 TC-TELI 26 W | GX24q-3 | | 275 | 0.0000 | 110 |
| 8665 | 1 TC-TELI 42 W | GX24q-4 | 3200 | 320 | 135 | 115 |
| 8638 | 1 QT 14 33 W | G 9 | 460 | 235 | 100 | 100 |
| 8640 | 1 QT 14 48 W | G 9 | 740 | 275 | 115 | 110 |
| 8642 | 1 QT 14 60 W | G 9 | 980 | 320 | 135 | 115 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 460 - 3200 lumen

Luminaires with the same design characteristic as the luminaires on page 130.

They are efficient luminaires that appear to be all glass.

Expertly manufactured, extremely solid crystal glass is the only visible component of these luminaires.

The white inner body of the glass appears to be embedded in clear crystal glass. This kind of blending in provides a pleasantly gentle light with brilliant shining effects. Luminaires for operating energy-saving fluorescent and halogen lamps for economical and efficient light. Individually or in groups, they are minimalist light design elements of the interior architecture.









Wall luminaires for fluorescent and halogen lamps Crystal glass, inside white

Backplate made of metal
• White enamel RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts.



| Wall luminaires · illustrated on page 132 | | | | | | | | | | |
|---|--|-----------|-------------------|-------------------|------------------|-------------------|--|--|--|--|
| | Light source | Base | Lumen | Α | В | С | | | | |
| 8660 8661 8662 | 1 TC-TELI 18 1 TC-TELI 26 1 TC-TELI 42 | W GX24q-3 | 1800 | 230 270 320 | 95 110 130 | 105 115 115 | | | | |
| 8644 8646 8648 | 1 QT 14 33 1 QT 14 48 1 QT 14 60 | W G9 | 460 740 980 | 230 270 320 | 95 110 130 | 105 115 115 | | | | |



| Wall I | uminaires · illustrated | d on page 13 | 33 | | | |
|--------|-------------------------|--------------|-------|-----|-----|-----|
| | Light source | Base | Lumen | Α | В | С |
| 8666 | 1 TC-TELI 26 W | GX 24 q-3 | 1800 | 255 | 110 | 110 |
| 8667 | 1 TC-TELI 32 W | GX 24 q-3 | 2400 | 290 | 140 | 110 |



Unshielded wall luminaires for energy-saving halogen lamps

Luminous flux 460 - 980 lumen

Wall luminaires for energy-saving halogen lamps.

Two glass shapes with different sizes and light output. Both product series are characterised by the brilliant clear crystal glass with its solid walls. Luminaires with impressive multi-faceted light graphics on the wall. Partial frosting on the inside effectively suppresses the glare from the direct light of the halogen lamp and deflects the majority of the light through the crystal glass onto the wall. Highly polished stainless steel reflectors inside the luminaires reinforce the unmistakeable brilliant effect of the light. Luminaires with clear shapes for festive light and a stylish light atmosphere. All technical data are given in the instructions for use for these luminaires.





Wall luminaires for halogen lamps
Crystal glass, partially frosted on the inside,
with reflector mirror made of highly polished stainless steel
Backplate made of metal

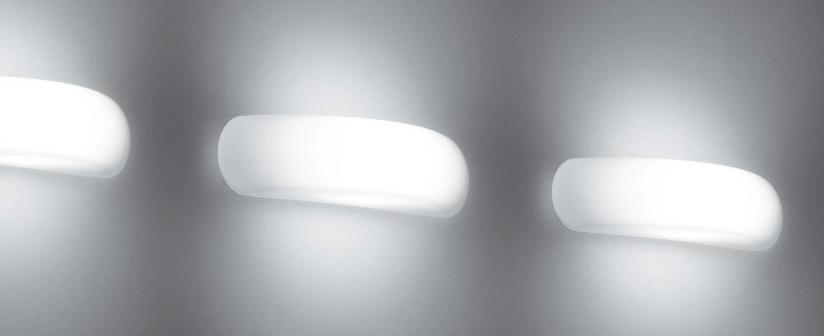
• White aluminium enamel RAL 9006



| Wall luminaires · illustrated on page 134 | | | | | | | | | | | | |
|---|--------------|------|------|-------|-----|-----|-----|--|--|--|--|--|
| | Light source | e | Base | Lumen | A | В | С | | | | | |
| 8393 | 1 QT 14 | 33 W | G 9 | 460 | 230 | 95 | 105 | | | | | |
| 8394 | 1 QT 14 | 48 W | G 9 | 740 | 270 | 110 | 115 | | | | | |
| 8395 | 1 QT 14 | 60 W | G 9 | 980 | 320 | 130 | 115 | | | | | |



| Wall I | Wall luminaires · illustrated on page 135 | | | | | | | | | | | | |
|--------|---|------|------|-------|-----|-----|-----|--|--|--|--|--|--|
| | Light source | ce | Base | Lumen | А | В | С | | | | | | |
| 8397 | 1 QT 14 | 33 W | G 9 | 460 | 100 | 100 | 100 | | | | | | |
| 8398 | 1 QT 14 | 48 W | G 9 | 740 | 135 | 135 | 130 | | | | | | |



Unshielded wall luminaires with LEDs or for energy-saving halogen lamps

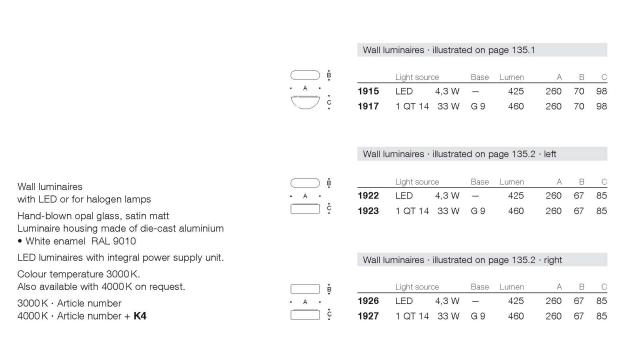
Luminous flux 425 · 460 lumen

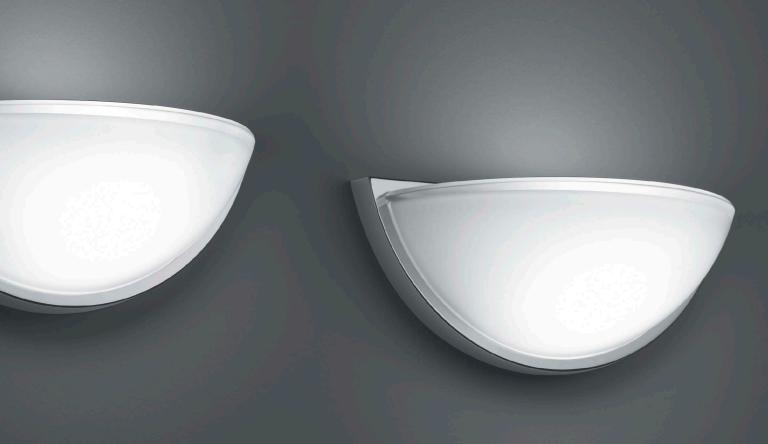
Wall luminaires with LEDs or for energy-saving halogen lamps.

Whether you choose LEDs or energy-saving halogen lamps, these new lighting units work perfectly with either light source. Luminaires with balanced proportions and fresh new designs for a large number of interior applications. Individually or in groups, vertically or horizontally, these three new lighting units will put you in the mood for designing with light.

Despite having the same lumen ratings, the luminous efficiency of LEDs is significantly higher than that of conventional lamps. The LEDs emit the majority of the light in the desired direction, like mini-floodlights. Their service life and choice of colour temperature are also impressive.

All the technical data can be found in the instructions for use for these luminaires.





Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1180 -1800 lumen Protection class IP 44

Luminaires in two sizes for fluorescent and energy-saving halogen lamps.

A series with outstanding quality with precision housings made of die cast aluminium, sophisticated finishes and solid crystal glass elements.

With protection class IP 44, the luminaires also provide safety in the bathroom.

They are particularly suitable for arrangement in groups. Solid, reliable light tools that will do their job over a long period of time.

All technical data are given in the instructions for use for these luminaires.







Wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Crystal glass, inside white Luminaire housing made of die-cast metal Surface finish options

- White enamel RAL 9010
- Chrome
- Gold, 24 carat

With 2 cable entries for through-wiring. $7163 \cdot 7165 \cdot 7164$ 1 Cable entry

Luminaires for fluorescent lamps with integral electronic ballasts.

Installtion in any desired position.



| White | Chrome | Gold | Light source | 9 | Base | Lumen | А | В | C |
|-------|--------|------|--------------|-------|--------|-------|-----|-----|-----|
| 1802 | 1804 | 1806 | 1 TC-DEL | 18 W | G24q-2 | 1200 | 290 | 120 | 160 |
| 1803 | 1805 | 1807 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 340 | 140 | 170 |
| 7163 | 7165 | 7164 | 1 QT 32 | 70 W | E 27 | 1180 | 290 | 120 | 160 |
| 7217 | 7219 | 7218 | 1 QT 32 | 100 W | E 27 | 1800 | 340 | 140 | 170 |



Unshielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 710 - 6400 lumen

Wall luminaires with hand-blown satin matt glass elements.

With optional luminaire housing in different metal finishes, or as an all-glass quarter-sphere for pleasant, soft light distribution.

Luminaires for fluorescent lamps and lamps for screw base E 27.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For extremely uniform illumination we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







Wall luminaires

for fluorescent lamps and lamps for screw base E 27

Enclosed hand-blown opal glass, satin matt Backplate made of metal Surface finish options

- White enamel RAL 9010
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps.

Installation as illustrated, only.



| White | Chrome | Brass | Light source | | Base | Lumen | A | В | С |
|----------------------|----------------------|----------------------|-------------------------------------|-----------------------|--------------------------------------|---------------------|-------------------|-------------------|-------------------|
| 6618 6619 6620 | 6612 6613 6614 | 6615 6616 6617 | 1 TC-TELI 1 TC-TELI 2 TC-TELI | 42 W | GX24 q-3 GX24 q-3/4 GX24 q-3/4 | | 270 350 450 | | 145 185 235 |
| 3597 3598 3599 | 3968 3969 6621 | 3603 3604 3605 | 1 lamp 2 lamps 2 lamps | 60 W 75 W 100 W | E 27 E 27 E 27 | 710 1870 2680 | 270 350 450 | 135 175 225 | 185 |

Wall luminaires

for fluorescent lamps and lamps for screw base E 27

Closed hand-blown opal glass, satin matt Backplate made of metal

• White enamel RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires 4001 and 4002 may only be installed in the illustrated position.



| | Light source | | Base | Lumen | Α | В | С |
|------|--------------|-------|-----------|-------|-----|-----|-----|
| 6609 | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 245 | 110 | 125 |
| 6610 | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 340 | 150 | 175 |
| 6611 | 1 TC-TELI | 57 W | GX 24 q-5 | 4300 | 430 | 190 | 220 |
| 4000 | 1 lamp | 60 W | E 27 | 710 | 245 | 110 | 125 |
| 4001 | 1 lamp | 100 W | E 27 | 1340 | 340 | 150 | 175 |
| 4002 | 2 lamps | 75 W | E 27 | 1870 | 430 | 190 | 220 |



Unshielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 710 - 4300 lumen

Unshielded wall luminaires in different shapes and sizes for fluorescent lamps and lamps for screw base E 27. High-quality luminaire glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, distributes the light uniformly and pleasantly in the room.

Luminaires for a host of applications – individually or in groups, for use in interiors and bathrooms. There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

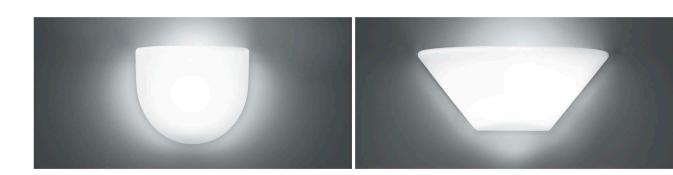
Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

For extremely uniform illumination we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







 Light source
 Base
 Lumen
 A
 B
 C

 8924
 1 TC-TELI
 18 W
 GX24q-2
 1200
 200
 160
 115

 8925
 1 TC-TELI
 32 W
 GX24q-3
 2400
 220
 220
 130

 3147
 1 lamp
 75 W
 E 27
 935
 200
 160
 115

 3780
 1 lamp
 100 W
 E 27
 1340
 220
 220
 130





| _ | Light source | Base | Lumen | A | В | С |
|------|--------------|---------|---------|-----|-----|-----|
| 6631 | 1 TC-TELI 32 | W GX24q | -3 2400 | 350 | 165 | 175 |
| 6632 | 1 TC-TELL 57 | W GX24q | -5 4300 | 450 | 200 | 220 |
| 3974 | 1 lamp 60 | W E 27 | 710 | 250 | 120 | 130 |
| 3865 | 1 lamp 100 | W E 27 | 1340 | 350 | 165 | 175 |
| 3866 | 1 lamp 100 | W E 27 | 1340 | 450 | 200 | 220 |

Wall luminaires for fluorescent lamps and lamps for screw base E 27

 $8924 \cdot 8925 \cdot 3147 \cdot 3780$ Protection class IP 44 Closed hand-blown opal glass, satin matt

Backplate made of metal

• White enamel RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires 3974 \cdot 3865 \cdot 3866 may only be installed in the illustrated position.

Wall luminaires for fluorescent, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 710 - 3200 lumen





Luminaires in three sizes for fluorescent, energy-saving halogen lamps and lamps for screw base E 27. High-quality luminaire glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, distributes the light uniformly and pleasantly in the room. Individually or in groups, these luminaires are suitable for a host of lighting tasks for which good design and atmospheric light is required. Suitable pendant luminaires can be found on page 298.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For extremely uniform illumination we recommend the luminaires for the TC-TELI and TC-D fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





Wall luminaires

for fluorescent lamps and lamps for screw base E 27

Enclosed hand-blown opal glass, satin matt

Luminaire housing made of metal

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with 26·32 W lamps.



| | Surface f | inish | | | | | | | | |
|-------|-----------|--------|-------|------------|---------|-------------|--------|-----|-----|-----|
| White | S/steel | Chrome | Brass | Light sour | ce | Base | Lumen | Α | В | С |
| 1977 | 1981 | 1985 | 1988 | 1 TC-TEL | _I 18 W | GX24q-2 | 1200 | 290 | 180 | 150 |
| 1979 | 1982 | 1986 | 1989 | 1 TC-TEL | J 26 W | GX24q-3 | 1800 | 350 | 220 | 185 |
| 1980 | 1984 | 1987 | 1990 | 1 TC-TEL | _I 42 W | GX 24 q-3/4 | 4 3200 | 450 | 280 | 235 |
| 3994 | 8820 | 3998 | 3996 | 1 lamp | 60 W | E 27 | 710 | 290 | 180 | 150 |
| 3667 | 8821 | 3972 | 3671 | 1 lamp | 75 W | E 27 | 935 | 350 | 220 | 185 |
| 3668 | 8822 | 8882 | 3672 | 1 lamp | 100 W | E 27 | 1340 | 450 | 280 | 235 |

Wall luminaires

for fluorescent and halogen lamps

Enclosed hand-blown opal glass Luminaire housing made of metal

Surface finish options
• White enamel RAL 9010

- Stainless steel
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Surface t | finish | | | | | | | |
|-------|-----------|--------|------------|-------|--------|-------|-----|-----|-----|
| White | S/steel | Brass | Light sour | ce | Base | Lumen | A | В | С |
| 7018 | 8153 | 7020 | 1 TC-D | 18 W | G24d-2 | 11 | 220 | 260 | 120 |
| 1771 | 8154 | 1774 | 1 TC-D | 26 W | G24d-3 | 1800 | 260 | 295 | 140 |
| 1993 | 1994 | 1995 | 1 QT 14 | 48 W | G 9 | 740 | 180 | 200 | 100 |
| 7017 | 8151 | 7019 | 1 QT 32 | 70 W | E 27 | 1180 | 220 | 260 | 120 |
| 1770 | 8152 | 1773 | 1 QT 32 | 100 W | E 27 | 1800 | 260 | 295 | 140 |

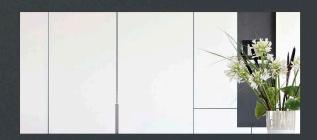


Unshielded wall luminaires for lamps for screw base E 27

Luminous flux 1340 lumen

Wall luminaires with open opal glass elements for unshielded light. Luminaires whose design is determined by the perfect contours of glass and metal. Individually or in groups, these luminaires are suitable for a host of lighting tasks for which atmospheric light is

Suitable pendant luminaires can be found on page 296. All technical data are given in the instructions for use for these luminaires.





Page 296

Wall luminaires for lamps for screw base E 27

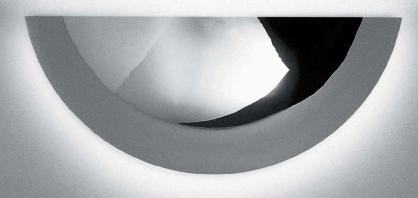
Open hand-blown opal glass Luminaire housing made of metal Surface finish options

- Stainless steel
 Brass





| Surface finish | | | | | | | | | | |
|----------------|-------|------------|--------------|------|-------|-----|-----|-----|----|--|
| S/steel | Brass | Light sour | Light source | | Lumen | Α | В | C | D | |
| 7945 | 7947 | 1 lamp | 100 W | E 27 | 1340 | 120 | 500 | 145 | 80 | |



Shielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 710 - 4300 lumen

Wall luminaires in three sizes for fluorescent lamps and lamps for screw base E 27.

Shielded to the room these luminaires direct most of their light upwards. The light that is reflected from the ceiling generates a smooth, indirect light. A small halo of light illuminates the immediate proximity of the luminaires, making them appear to float on the installation surface. Luminaires that can relate to many structural details with their different metal finishes. Luminaires for stairways, corridors and many interior architecture applications. There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table. For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





White





Brass

Chrome

Shielded wall luminaires

for fluorescent lamps and lamps for screw base E 27

Closed hand-blown opal glass

Metal shield

Surface finish options

- White enamel RAL 9010
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.

The luminaires for general service lamps (100 W \cdot 75 W) may only be installed in the illustrated operating position.



| White | Chrome | Brass | Light source | € | Base | Lumen | Α | В | С |
|-------|--------|-------|--------------|-------|---------|-------|-----|-----|-----|
| 6606 | 6600 | 6603 | 1 TC-TEL | 18 W | GX24q-2 | 1200 | 245 | 115 | 125 |
| 6607 | 6601 | 6604 | 1 TC-TEL | 32 W | GX24q-3 | 2400 | 340 | 155 | 175 |
| 6608 | 6602 | 6605 | 1 TC-TEL | 57 W | GX24q-5 | 4300 | 430 | 195 | 220 |
| 3905 | 3917 | 3911 | 1 lamp | 60 W | E 27 | 710 | 245 | 115 | 125 |
| 3906 | 3918 | 3912 | 1 lamp | 100 W | E 27 | 1340 | 340 | 155 | 175 |
| 3907 | 3919 | 3913 | 2 lamps | 75 W | E 27 | 1870 | 430 | 195 | 220 |



Shielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 710 - 4300 lumen

Wall luminaires in three sizes for fluorescent lamps and lamps for screw base E 27.

Shielded to the room these luminaires direct most of their light upwards. The light that is reflected from the ceiling generates a smooth, indirect light. A small halo of light illuminates the immediate proximity of the luminaires, making them appear to float on the installation surface. Luminaires that can relate to many structural details with their different metal finishes. Luminaires for stairways, corridors and many interior architecture applications.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.









White Matt aluminium Brass

Shielded wall luminaires

for fluorescent lamps and lamps for screw base E 27

Closed hand-blown opal glass

Metal shield

Surface finish options

- White enamel RAL 9010
- Matt aluminium
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.

The luminaires for general service lamps may only be installed in the illustrated operating position.



| White | Matt aluminiu | m Brass | Light source | Э | Base | Lumen | Α | В | С |
|-------|------------------|---------|--------------|--------|---------|-------|-----|-----|-----|
| 6628 | 6622 | 6625 | 1 TC-TEL | 18 W | GX24q-2 | 1200 | 250 | 120 | 130 |
| 6629 | 6623 | 6626 | 1 TC-TEL | 32 W | GX24q-3 | 2400 | 350 | 165 | 175 |
| 6630 | 6624 | 6627 | 1 TC-TEL | 1 57 W | GX24q-5 | 4300 | 450 | 200 | 220 |
| 3975 | 8123 | 3976 | 1 lamp | 60 W | E 27 | 710 | 250 | 120 | 130 |
| 3870 | 8124 | 3875 | 1 lamp | 100 W | E 27 | 1340 | 350 | 165 | 175 |
| 3871 | 8125 | 3876 | 2 lamps | 75 W | E 27 | 1870 | 450 | 200 | 220 |

LED wall luminaires for light in two directions

Luminous flux 720-2160 lumen

advanced manufacturing processes make it possible to design these luminaire housings with unusually minimised dimensions. Extremly solid crystal glasses complete these luminaires and marks their unmistakable character.

Wall luminaires in three lengths with different light output.

Wall luminaires in three lengths with different light output

The LED emit the majority of the light in the right direction like mini-floodlights. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps.

The service life and the choice of colour temperature are also impressive. Suitable pendant luminaires can be found on page 290.

All technical data are given in the instructions for use for these luminaires.









LED wall luminaires

Two-ply opaque crystal glass with polished edges Luminaire housing made of metal

Surface finish options • Stainless steel

- Chrome

Integral power supply unit. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + K4



| S/steel | Chrome | Light: | source | Lumen | Α | В | С |
|---------|--------|--------|--------|-------|-----|----|----|
| 2022 | 2132 | LED | 8.2 W | 720 | 200 | 70 | 95 |
| 2023 | 2133 | LED | 16.4 W | 1440 | 400 | 70 | 95 |
| 2024 | 2134 | LED | 24.6 W | 2160 | 600 | 70 | 95 |



Wall luminaires for light in two directions

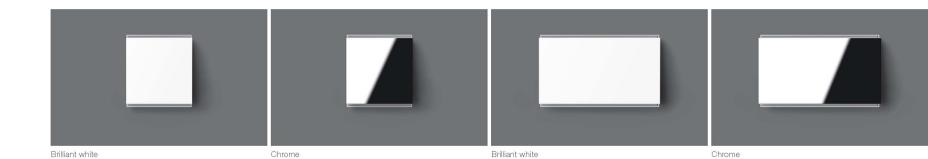
Luminous flux 540 - 1080 lumen

New lamps make new luminaire designs possible. Our LED technology and state-of-the-art manufacturing processes allow us to create these luminaire designs with unusually small dimensions. Crystal glass with a high material thickness completes these luminaires and gives them their distinctive character. The luminaires are available in two sizes and two finishes.

These economical luminaires with modern LED technology make an excellent impression thanks to their elegant looks, long service life and choice of colour temperature.

All the technical data can be found in the instructions for use for these luminaires.

•90 • • 175



LED wall luminaires

Two-ply opaque crystal glass with polished edges Luminaire housing made of die-cast zinc

Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Chrome

Integral power supply unit

Colour temperature 3000 K.

Also available with 4000 K on request.

3000 K · Article number

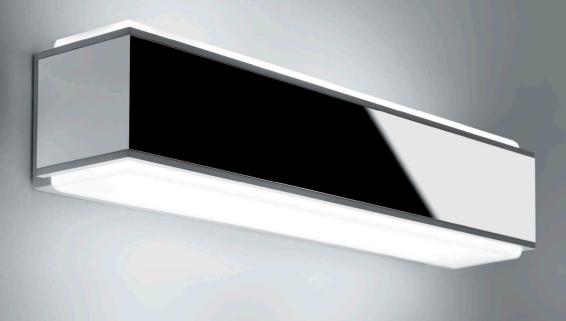
4000 K · Article number + K4



 Brilliant white
 Chrome
 Light source
 Lumen
 A
 B
 C

 2013
 2016
 LED
 6,8 W
 540
 90
 105
 54

 2015
 2017
 LED
 11,6 W
 1080
 175
 105
 54



Wall luminaires for light in two directions for fluorescent lamps and lamps for screw base E 27

Luminous flux 710 - 3600 lumen

Wall luminaires in three sizes for fluorescent lamps and lamps for screw base E 27.

These luminaires are impressive by the way they diffuse light pleasantly and effectively. Hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, diffuses the light smoothly and uniformly.

Robust luminaire housings made of die-cast aluminium with high-precision metal shields, optionally made of matt aluminium or aluminium with a fascinating highly polished stainless steel inlay.

Protection class IP 44 also makes the luminaires safe for use in the pathroom.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

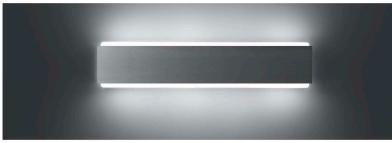
To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.

· 225 · · · 315 · · · 465 ·





Polished stainless steel

Matt aluminium

Wall luminaires

for fluorescent lamps and lamps for screw base E 27

Protection class IP 44

Hand-blown opal glass

Luminaire housing made of die-cast aluminium

Metal shield

Surface finish options

- Polished stainless steel
- Matt aluminium

Luminaires for fluorescent lamps with integral electronic ballasts.



| Polished S/steel | Matt aluminiun | n Light source | ė | Base | Lumen | А | В | С |
|---------------------|-------------------|----------------|------|--------|-------|-----|-----|-----|
| 8735 | 8715 | 1 TC-DEL | 18 W | G24q-2 | 1200 | 225 | 100 | 100 |
| 8736 | 8716 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 315 | 100 | 110 |
| 8737 | 8717 | 2 TC-DEL | 26 W | G24q-3 | 3600 | 465 | 100 | 110 |
| 8732 | 8712 | 1 lamp | 60 W | E 27 | 710 | 225 | 100 | 100 |
| 8733 | 8713 | 2 lamps | 40 W | E 27 | 830 | 315 | 100 | 110 |
| 8734 | 8714 | 3 lamps | 40 W | E 27 | 1245 | 465 | 100 | 110 |



Wall luminaires with reflectors · Light in two directions with LED or for energy-saving halogen lamps

Luminous flux 460 - 1890 lumen

These luminaires are characterised by expertly manufactured partially frosted crystal glasses with impressive and multi-faceted light graphics. Wall-lights with valuable appeal, which combine exquisite high quality together with advanced lighting and energy technology. Luminaires in three sizes with built-in LED or for energy-saving halogen lamps. The LED emit the majority of the light in the right direction like mini-floodlights.

In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive.

Outstanding light tools for effective illumination of walls, pillars and architecture details – individually or in groups.

All technical data are given in the instructions for use for these luminaires.





Brilliant white









• 80 • • 105 •

. 120 .

Wall luminaires with LED or for halogen lamps

Crystal glass, partially frosted, with thread Reflector made of high-gloss anodised pure aluminium Luminaire housing made of metal Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Polished aluminium

LED luminaires with integral power supply unit. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| Brilliant white | Polished aluminiu | m Light so | urce | Base | Lumen | А | В | С | D |
|--------------------|----------------------|------------|--------|------|-------|-----|-----|-----|----------|
| 2136 | 6711 | LED | 6.4 W | _ | 490 | 80 | 105 | 115 | 80 x 40 |
| 2137 | 6712 | LED | 13.0 W | _ | 800 | 105 | 125 | 145 | 100 x 50 |
| 2149 | 6713 | LED | 26.0 W | _ | 1890 | 120 | 130 | 155 | 120 x 50 |
| 2150 | 6847 | 1 QT 1 | 4 33 W | G 9 | 460 | 80 | 105 | 115 | 80 x 40 |
| 2151 | 6848 | 1 QT 1 | 4 48 W | G 9 | 740 | 105 | 125 | 145 | 100 x 50 |
| 2152 | 6849 | 1 QT 1 | 4 60 W | G 9 | 980 | 120 | 130 | 155 | 120 x 50 |



Wall luminaires with reflectors · Light in two directions with LED, for energy-saving halogen or discharge lamps

Luminous flux 490 - 3400 lumen

Wall luminaires in three sizes and two types of material for light in two directions. Luminaires with LED, for halogen or discharge lamps. Integral precision reflectors deflect the light exactly and efficiently in two opposing directions.

These luminaires are characterised by approx. 20 mm solid expertly manufactured crystal glasses with impressive, multi-faceted light graphics.

Wall luminaires with valuable appeal, which combine exquisite high quality together with advanced lighting and energy technology.

New in this product range is the equipment with LED.

LED emit the majority of the light in the right direction like a mini floodlight.

In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive.

Technically and creatively perfect light tools for outstanding lighting planning. All technical data are given in the instructions for use for these luminaires.



Pendant luminaires pages 252-255 · Ceiling luminaires page 48



Brilliant white





Wall luminaires with LED, for halogen or discharge lamps

Crystal glass, partially frosted, with thread Reflector made of high-gloss anodised pure aluminium Luminaire housing made of metal Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Polished aluminium

Luminaires for discharge lamps with integral electronic ballasts.

LED luminaires with integral power supply unit. $6873\cdot 6874\cdot 8682\cdot 8695\,$ dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| Brilliant white | Polished aluminium | Light source | | Base | Lumen | Α | В | С | D |
|--------------------|-----------------------|--------------|--------|--------|-------|-----|-----|-----|----------|
| 6872 | 8681 | LED | 6.4 W | = | 490 | 80 | 210 | 115 | 100 x 40 |
| 6873 | 8682 | LED | 13.0 W | _ | 800 | 105 | 270 | 145 | 120 x 50 |
| 6874 | 8695 | LED | 26.0 W | _ | 1890 | 120 | 330 | 160 | 120 x 50 |
| 6875 | 8049 | 2 QT 14 | 33 W | G 9 | 920 | 80 | 210 | 115 | 100 x 40 |
| 6876 | 8050 | 2 QT 14 | 48 W | G 9 | 1480 | 105 | 270 | 145 | 120 x 50 |
| 6877 | 8051 | 2 QT 14 | 60 W | G 9 | 1960 | 120 | 330 | 160 | 120 x 50 |
| 6878 | 8054 | 2 HIT-TC-C | E 20 W | GU 6.5 | 3400 | 120 | 330 | 160 | 120 x 50 |



LED wall luminaires

Luminous flux 320 - 635 lumen

New LED wall lights in two sizes and three finishes.

These are ready-to-connect luminaires with integral power supply units. They can be installed with the light aperture directed either up or down. Their light is brilliant and glare free.

The inside of the crystal glass is frosted white and scatters the light softly and widely. Light is reflected on the clear glass edges, creating a festive, glittering effect.

These economical luminaires with modern LED technology make an excellent impression thanks to their elegant looks, long service life and choice of colour temperature.

All the technical data can be found in the instructions for use for these luminaires.





LED wall luminaires

Crystal glass, inside white Luminaire housing made of die-cast zinc Surface finish options

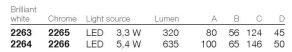
- Brilliant white enamel, similar to RAL 9003
- Chrome

Integral power supply unit

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**













Wall luminaires for light in two directions for fluorescent and energy-saving halogen lamps

Luminous flux 740 - 2400 lumen Protection class IP 44

Wall luminaires in four sizes for fluorescent and energy-saving halogen lamps. These luminaires are impressive by the way they diffuse light pleasantly and effectively. Hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, diffuses the light softly and uniformly. Metal shields with four refined finishes suppress the glare from the luminaires to the front and deflect the light up- and downwards.

With protection class IP 44, the luminaires are also ideal for providing safety in the bathroom. Luminaires for sophisticated light design – arranged individually or in groups.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass Luminaire housing made of metal Metal shield

Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.

We can also supply special versions of these luminaires with blanked numbers or letters, allowing them to be used as information or location luminaires.



| White | S/steel | Chrome | Brass | Light source | | Base | Lumen | Α | В | С |
|-------|---------|--------|-------|--------------|-------|---------|-------|-----|----|-----|
| 6736 | 6727 | 6730 | 6733 | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 260 | 80 | 115 |
| 6737 | 6728 | 6731 | 6734 | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 300 | 90 | 130 |
| 6738 | 6729 | 6732 | 6735 | 2 TC-TELI | 18 W | GX24q-2 | 2400 | 400 | 90 | 115 |
| 6671 | 6668 | 6669 | 6670 | 1 QT 14 | 48 W | G 9 | 740 | 220 | 80 | 90 |
| 7157 | 7607 | 7159 | 7158 | 1 QT 32 | 70 W | E 27 | 1180 | 260 | 80 | 115 |
| 7193 | 7608 | 7195 | 7194 | 1 QT 32 | 100 W | E 27 | 1800 | 300 | 90 | 130 |
| 7613 | 7609 | 8410 | 8408 | 2 QT 32 | 70 W | E 27 | 2360 | 400 | 90 | 115 |



Wall luminaires · light in two directions

_uminous flux 525 · 785 lumen

These LED wall luminaires catch the eye thanks to their compact dimensions and the effective interplay of exquisite luminaire housings and crystal glass.

The two-ply crystal-opal glass creates a pleasantly soft light.

The visibly projecting polished glass edges have a brilliant accentuating effect. A cast-aluminium housing with two different finishes ensures perfect coordination with existing or planned interior details.

These economical luminaires with modern LED technology make an excellent impression thanks to their elegant looks, long service life and choice of colour temperature.

All the technical data are given in the instructions for use for these luminaires.







LED wall luminaires

Two-ply opaque crystal glass with polished edges Luminaire housing made of aluminium, die cast aluminium or stainless steel Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

Integral power supply unit.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**











Wall luminaires with reflectors · Light in two directions for energy-saving halogen lamps

Luminous flux 1960 - 3600 lumen

Luminaires with integral reflectors for directed light and unshielded free radiating light.

Two pure aluminium reflectors connected to the glass direct the majority of the light up- and downwards.

The unshielded part of the light that is emitted between the reflector and the lamp base generates brilliant light graphics on the wall.

Outstanding light tools for effective illumination of walls, pillars and architecture details – individually or in groups.

All technical data are given in the instructions for use for these luminaires.







Wall luminaires for halogen lamps

Hand-blown crystal glass with thread Reflectors made of high-gloss anodised pure aluminium with integral louvres Built-in annular shields

Luminaire housing made of stainless steel

For 8254 mandatory use of OSRAM lamps 64492, only!

8254 · 8255 Installation surface 80 x 30 mm 8256 Installation surface 100 x 40 mm



| | Light source | Base Lumen | А | в с |
|------|---------------|------------|-------|--------|
| 8254 | 2 QT 18 60 W | B15d 1960 | 70 2 | 55 105 |
| 8255 | 2 QT 32 70 W | E 27 2360 | 95 3 | 10 130 |
| 8256 | 2 QT 32 100 W | E 27 3600 | 110 3 | 30 155 |



Wall luminaires with reflectors · Light in two directions for fluorescent and energy-saving halogen lamps

Luminous flux 1960 - 2400 lumen

Luminaires with integral reflectors for directed and unshielded free radiating light. Two pure aluminium reflectors connected to the glass direct the majority of the light up- and downwards.

The unshielded part of the light that is emitted between the reflector and the lamp base is distributed smoothly and uniformly.

Outstanding light tools for illuminating walls, pillars and architecture details – individually or in groups.

Suitable recessed ceiling luminaires can be found on page 36, suitable ceiling luminaires on page 50.

All technical data are given in the instructions for use for these luminaires.

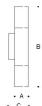




Wall luminaires
for fluorescent and halogen lamps
Hand-blown opal glass with thread
Reflectors made of anodised pure aluminium
with integral louvres
Luminaire housing made of stainless steel
Luminaires for fluorescent lamps with integral
electronic ballasts.

8261 · 8396 Installation surface 100 x 40 mm

For 8260 mandatory use of OSRAM lamps 64406, only!
8260 Installation surface 80x30 mm



| | Light source | Base | Lumen | А | В | С |
|------|--------------|----------|-------|----|-----|-----|
| 8396 | 2 TC-DEL 18 | W G24q-2 | 2400 | 95 | 560 | 130 |
| 8260 | 2 QT 18 60 | W B15d | 1960 | 70 | 410 | 105 |
| 8261 | 2 QT 32 70 | W E 27 | 2360 | 95 | 560 | 130 |





Pendant luminaires, page 256

Unshielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 710-3200 lumen

Unshielded wall luminaires with cylindrical glass and different light output.

With partially frosted crystal glass or with brilliant antique crystal glass. The partially frosted section provides pleasant reduction of the luminance without impairing the aesthetics of the clear crystal glass.

The attractiveness and brilliance of the antique crystal glass are accentuated most effectively by all-clear lamps. Air inclusions with different shapes and sizes make each glass element a unique example of the glassmaker's art. Luminaires for brilliant and exceptionally expressive light. Matching ceiling and pendant luminaires can be found on the following pages: ceiling luminaires – page 52, pendant luminaires – pages 256·272. There are now many different lamps for the E 27 screw base, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







Wall luminaires for fluorescent lamps and lamps for screw base E 27 Crystal glass, partially frosted Luminaire housing made of stainless steel Luminaires for fluorescent lamps with integral electronic ballasts.

Installation surface 80 x 30 mm



| Crysta | al glass, par | tially fro | osted | | | | |
|---------|---|------------|---------|-------|-----|-----|-----|
| S/steel | Light source | | Base | Lumen | Α | В | С |
| 8696 | 1 TC-TELI | 18 W | GX24q-2 | 1800 | 110 | 300 | 130 |
| 8697 | 1 TC-TELI | 26 W | GX24q-3 | | 140 | 360 | 160 |
| 8698 | 1 TC-TELI | 42 W | GX24q-4 | | 160 | 410 | 180 |
| 8699 | 10 10 TO 10 | 60 W | E 27 | 710 | 110 | 300 | 130 |
| 8700 | | 100 W | E 27 | 1340 | 140 | 360 | 160 |
| 8701 | | 150 W | E 27 | 2160 | 160 | 410 | 180 |

Wall luminaires for lamps for screw base E 27 Hand-blown antique crystal glass Luminaire housing made of metal Surface finish options

Chrome

Brass

Installation surface 80 x 30 mm



| Antiqu | ie crysta | al glass | | | | | | |
|--------|-----------|------------|-------|------|-------|-----|-----|-----|
| Chrome | Brass | Light sour | ce | Base | Lumen | А | В | С |
| 8943 | 8946 | 1 lamp | 60 W | E 27 | 710 | 110 | 300 | 130 |
| 8944 | 8947 | 1 lamp | 100 W | E 27 | 1340 | 140 | 360 | 160 |
| 8945 | 8948 | 1 lamp | 150 W | E 27 | 2160 | 160 | 410 | 180 |



Unshielded wall luminaires for energy-saving halogen lamps

Luminous flux 740 lumen

Wall luminaires in two sizes for energy-saving halogen lamps.

Luminaires that are impressive because of their pleasant, effective light graphics.

Barely visible brackets support valuable luminaire glasses with gracious lightness.

Hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, distributes the light smoothly and uniformly.

High-quality luminaires and durable interior architecture design elements.

All technical data are given in the instructions for use for these luminaires.



Wall luminaires for halogen lamps Hand-blown opal glass, satin matt Metal bracket

• Stainless steel finish Installation surface 80x30mm





| | Light source | | Base | Lumen | А | | О |
|------|--------------|------|------|-------|-----|-----|-----|
| 8449 | 1 QT 14 | 48 W | G 9 | 740 | 100 | 100 | 135 |
| 8450 | 1 OT 14 | 48 W | G 9 | 740 | 140 | 140 | 175 |



Open or closed wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 740 - 3600 lumen

Wall luminaires in two sizes for fluorescent and energy-saving halogen lamps with an impressive lighting effect.

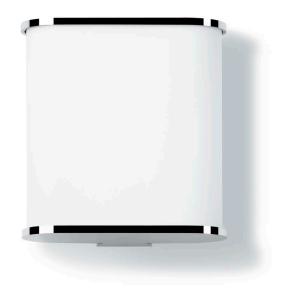
Luminaires with a common design idea, but with different shapes.

Luminaires that are open on top and bottom, or closed luminaires with protection class IP 44. This protection class is also safe for use in the bathroom.

Precision, expertly manufactured aluminium components support and hold the light-diffusing glass elements. High-quality luminaires and durable interior architecture design elements. All technical data are given in the instructions for use for these luminaires.







Open wall luminaires for fluorescent and halogen lamps

Hand-blown opal glass, satin matt Metal bracket

Matt aluminium

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light source | e | Base | Lumen | Α | В | С | D |
|------|--------------|--------|--------|-------|-----|-----|-----|----|
| 8694 | 1 TC-DEL | . 26 W | G24q-3 | 1800 | 210 | 220 | 100 | 60 |
| 8692 | 1 QT 14 | 48 W | G 9 | 740 | 150 | 160 | 90 | 60 |
| 8693 | 1 QT 18 | 100 W | B15d | 1800 | 210 | 220 | 90 | 60 |

Closed wall luminaires

for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of metal

Matt aluminium, partially polished

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light source | Base | Lumen | Α | В | 0 | D |
|------|---------------|--------|-------|-----|-----|-----|----|
| 8727 | 2 TC-DEL 26 W | G24q-3 | 3600 | 220 | 225 | 110 | 60 |
| 8726 | 1 QT 18 100 W | B15d | 1800 | 220 | 225 | 110 | 60 |



Unshielded wall luminaires for fluorescent lamps and lamps for screw base E14 · E 27

Luminous flux 660 - 1800 lumen

Unshielded wall luminaires in two sizes for fluorescent lamps and lamps for screw base $E14 \cdot E27$.

Luminaires with a impressive light effect. Hand-blown, three-ply opal glass in which a wafer-thin opal glass layer is enclosed between two crystal glass layers.

This provides a smooth light distribution and outstanding visual comfort. The light is indirectly reflected from the wall surface through the glass, which is open at the top. In the room the light is diffused by the three glass layers pleasantly and uniformly without glare. Luminaires for sophisticated lighting design – arranged individually or in groups. Suitable pendant luminaires can be found on page 284.

There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E14 \cdot E 27 and all technical data are given in the instructions for use for these luminaires.



For pendant luminaires see page 284



Wall luminaires for fluorescent lamps and lamps for screw base E 14 \cdot E 27

Open hand-blown opal glass Backplate made of

Matt aluminium

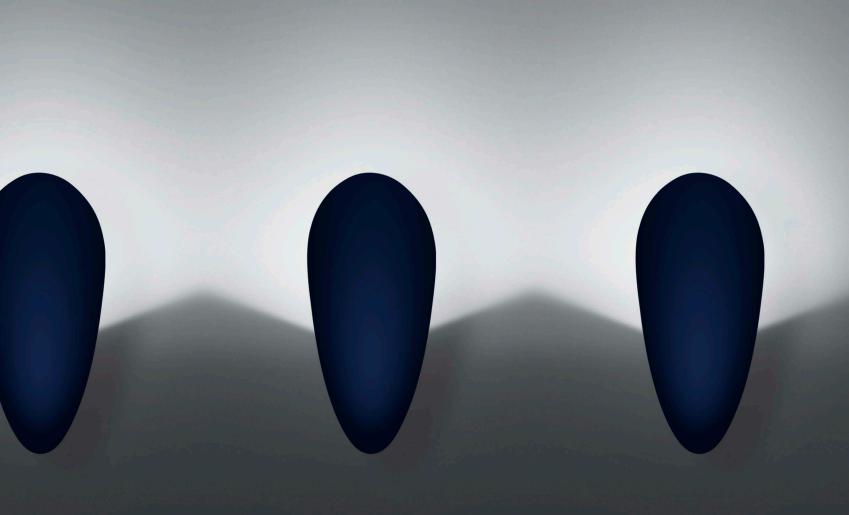
Stainless steel glass connection, no tools required.

Luminaires for fluorescent lamps with integral electronic ballasts.

Installation as illustrated, only.



| | Light source | | Base | Lumen | Α | В | С |
|------|--------------|-------|--------|-------|-----|-----|-----|
| 6720 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 160 | 325 | 110 |
| 8097 | 1 lamp | 60 W | E 14 | 660 | 105 | 210 | 75 |
| 8098 | 1 lamp | 100 W | E 27 | 1340 | 160 | 325 | 110 |



The fascination of »black and white«
Wall luminaires for energy-saving halogen lamps

Luminous flux 740 · 980 lumen

Unshielded wall luminaires for energy-saving halogen lamps, with the option for white or black opal glass. Hand-blown glass elements, each consisting of three different glass layers.

The white luminaires have a white opal layer, providing transparency and pleasant light distribution. The luminaires are characterised by the striking interplay of reflected and uniformly diffused light. The black luminaires have a black opal layer which makes the glass almost opaque. The outer layer of frosted black glass makes this valuable material appear jet black during the day. A fascinating spectrum of colours is then produced in the light of the lamps, ranging from jet black to discreet dark blue. Luminaires with a distinctive, high-contrast effect and interesting light graphics.

The glass elements of both luminaires opens towards the installation surface.

Depending on the reflectance of the installation surface, the light is reflected smoothly and uniformly. Suitable pendant luminaires can be found on page 284.

All technical data are given in the instructions for use for these luminaires.







Wall luminaires for halogen lamps

- Hand-blown opal glass
 White three-ply glass
 Black three-ply glass, satin matt

Bracket made of

• Matt aluminium

Installation surface 80 x 30 mm Installation as illustrated, only.



| Opal | glass, white | Э | | | | | |
|------|--------------|------|------|-------|-----|-----|-----|
| | Light source | | Base | Lumen | А | В | C |
| 8412 | 1 QT 14 | 48 W | G 9 | 740 | 120 | 265 | 185 |
| 8413 | 1 QT 14 | 60 W | G 9 | 980 | 155 | 325 | 230 |

| Opal | glass, blac l | k | | | | | |
|------|----------------------|------|------|-------|-----|-----|-----|
| | Light source | | Base | Lumen | А | В | C |
| 8451 | 1 QT 14 | 48 W | G 9 | 740 | 120 | 265 | 185 |
| 8452 | 1 QT 14 | 60 W | G 9 | 980 | 155 | 325 | 230 |



Unshielded wall luminaires with adjustable light for fluorescent and energy-saving halogen lamps

Luminous flux 820 - 1800 lumen

These wall luminaires are distinguished by the striking interplay of reflected and uniformly diffused light.

The opening of the opal glass elements can be rotated in any direction.

Part of the light is reflected towards the installation surface smoothly and uniformly depending on the reflectance of the surface. If the opening is facing the room, the illuminated opal glass provides an impressive vivid effect.

The different options for halogen or fluorescent lamps make these luminaires

suitable for the use in private and public areas.

The luminaires are part of a new group of wall, ceiling and pendant luminaires with impressive material quality and technical elegance.

Appropriate pendant luminaires can be found on page 240, ceiling luminaires on page 56 and recessed ceiling luminaires on page 42.

All technical data are given in the instructions for use for these luminaires.



Ceiling luminaires page 56

Wall luminaires with adjustable light for fluorescent and halogen lamps

Hand-blown opal glass, satin matt, with thread The opening of the opal glass elements can be rotated by 360° in any direction. Luminaire housing made of metal

• White aluminium enamel RAL 9006

Luminaires for fluorescent lamps with integral electronic ballasts.
Installation surface 80 x 30 mm





| | Light source | | Base | Lumen | Α | В | C |
|------|--------------|------|-----------|-------|-----|-----|-----|
| 8436 | 1 TC-TELL 2 | 26 W | GX 24 q-3 | 1800 | 150 | 390 | 165 |
| 8434 | 1 QT 26 | 60 W | E14 | 820 | 110 | 310 | 135 |
| 8435 | 1 QT 32 | 70 W | E 27 | 1180 | 150 | 390 | 165 |



Unshielded wall luminaires for fluorescent lamps and lamps for screw base E14 · E 27 Luminous flux 660-1340 lumen

Wall luminaires with finely structured solid matt crystal glass elements and precision-made stainless steel housing for fluorescent lamps and lamps for screw base E 14 \cdot E 27.

Perfection in detail – impressive luminaires when looked in either from above or below. Well-designed equipments for general service lamps and fluorescent lamps round off the overall exquisite impression.

Luminaires for sophisticated light design – arranged individually or in groups. There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E14 \cdot E 27 and all technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent lamps and lamps for screw base E14 · E27

Crystal glass with a light-diffusing texture, satin matt Luminaire housing made of • Stainless steel

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light sour | ce | Base | Lumen | Α | В | С |
|------|------------|--------|--------|-------|-----|-----|-----|
| 8365 | 1 TC-DE | L 18 W | G24q-2 | 1200 | 205 | 220 | 105 |
| 8172 | 1 lamp | 60 W | E14 | 660 | 160 | 170 | 80 |
| 8173 | 1 lamp | 100 W | E 27 | 1340 | 205 | 220 | 105 |



Unshielded wall luminaires for energy-saving halogen lamps

Luminous flux 820 - 2870 lumen

Unshielded wall luminaires in three sizes for energy-saving halogen lamps.

Luminaires with an impressive light effect. Hand-blown, three-ply opal glass in which a wafer-thin opal glass layer is enclosed between two crystal glass layers.

This provides smooth light distribution and outstanding

This provides smooth light distribution and outstanding visual comfort.

The silhouette of the glass and the variety of spacing between lamp and glass generate delicate shades of light which are indirectly reflected from the wall surface. Individually or in groups, these luminaires are suitable for a host of lighting tasks for which good design and ambience light is required.

Suitable pendant luminaires can be found on page 280. All technical data are given in the instructions for use for these luminaires.





Page 28

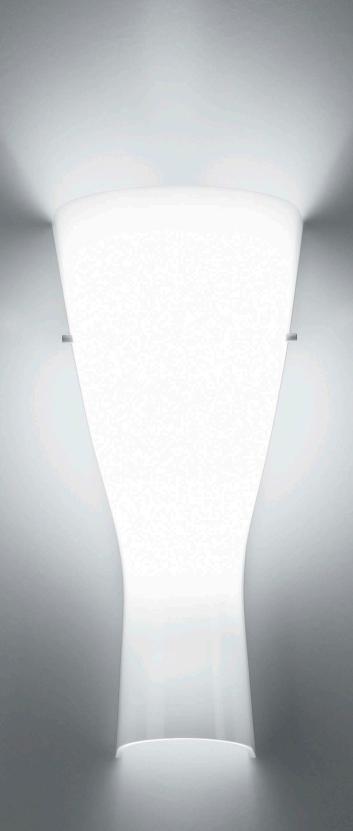


Wall luminaires for halogen lamps
Open hand-blown opal glass
Backplate made of
• Matt aluminium

Stainless steel glass connection, no tools required.



| | Light sour | ce | Base | Lumen | А | В | С | |
|------|------------|-------|------|-------|-----|-----|-----|--|
| 8443 | 1 QT 26 | 60 W | E14 | 820 | 195 | 350 | 95 | |
| 8444 | 1 QT 32 | 100 W | E 27 | 1800 | 235 | 440 | 115 | |
| 8445 | 1 QT 32 | 150 W | E 27 | 2870 | 320 | 560 | 160 | |





Unshielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 935 - 1800 lumen

Unshielded wall luminaires in two sizes for fluorescent lamps and lamps for screw base E 27.

Luminaires with a impressive light effect. Hand-blown, three-ply opal glass in which a wafer-thin opal glass layer is enclosed between two crystal glass layers.

This provides smooth light distribution and outstanding visual comfort.

The silhouette of the glass and the variety of spacing between lamp and glass generate delicate shades of light which are indirectly reflected from the wall surface. Individually or in groups, these luminaires are suitable for a host of lighting tasks for which good design and ambience light is required.

Suitable pendant luminaires can be found on page 282. There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-L fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.



Page 282



Wall luminaires for fluorescent lamps and lamps for screw base E 27 Open hand-blown opal glass Metal bracket • White enamel RAL 9010

Stainless steel glass connection, no tools required.

Luminaires for fluorescent lamps with integral electronic ballasts.



| _ | Light sou | rce | Base | Lumen | А | В | О |
|------|-----------|-------|--------|-------|-----|-----|-----|
| 8653 | 1 TC-L | 18 W | 2 G 11 | 1200 | 155 | 320 | 100 |
| 8654 | 1 TC-L | 24 W | 2 G 11 | 1800 | 175 | 370 | 110 |
| 8651 | 1 lamp | 75 W | E 27 | 935 | 155 | 320 | 100 |
| 8652 | 1 lamp | 100 W | E 27 | 1340 | 175 | 370 | 110 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 740 - 2900 lumen



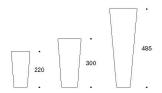
Unshielded wall luminaires in three sizes and four different materials for fluorescent and energy-saving halogen lamps.

For use as individual luminaires on walls and pillars or arranged in groups, they are outstanding interior architecture design elements.

Solid, reliable light tools that will perform their task over a long period of time. All technical data are given in the instructions for use for these luminaires.











Wall luminaires for fluorescent and halogen lamps Closed hand-blown opal glass, satin matt Backplate made of metal Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.



| White | Finish S/steel | Chrome | Brass | Light source | Base | Lumen | А | В | С |
|-------|-------------------|--------|-------|---------------|--------|-------|-----|-----|-----|
| 1808 | 1810 | 1812 | 1815 | 1 TC-DEL 13 W | G24q-1 | | 130 | 220 | 90 |
| 1809 | 1811 | 1814 | 1816 | 1 TC-DEL 26 W | G24q-3 | | 160 | 300 | 100 |
| 8784 | 8873 | 8782 | 8783 | 1 TC-L 36 W | 2G11 | | 190 | 485 | 115 |
| 1862 | 1864 | 1867 | 1869 | 1 QT 14 48 W | G 9 | 740 | 130 | 220 | 90 |
| 1863 | 1865 | 1868 | 1870 | 2 QT 14 48 W | G 9 | 1480 | 160 | 300 | 100 |





Unshielded wall luminaires with high light output for fluorescent lamps and lamps for screw base E 27

Luminous flux 935 - 4300 lumen

Powerful, unshielded luminaires in three sizes for fluorescent lamps and lamps for screw base E 27.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers.

The result is a highly-translucent but opaque glass that diffuses the light extremely uniformly. This effect is particularly enhanced by the large surface of the luminaire glass.

Solid, reliable light tools that will perform their task over a long period of time. Perfectly proportioned and impressive glass elements make the luminaires long-lasting aesthetic interior architecture design elements. Suitable pendant luminaires can be found on page 234.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL and TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent lamps and lamps for screw base E 27 Open hand-blown opal glass Aluminium bracket

• White aluminium enamel RAL 9006

Suitable for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with 26.32 W lamps.



| | Light source | ė | Base | Lumen | A | В | С |
|----------------------|----------------------------|------------------------|--------------------------|---------------------|------------|------------|------------|
| 8446 | 1 TC-DEL | 18 W | G24q-2 | 1200 | 115 | 230 | 125 |
| 8447 8448 | 1 TC-TELI | | GX 24 q-3/4 GX 24 q-5 | 3200 4300 | | 285 335 | |
| 8511 8512 8513 | 1 lamp 1 lamp 1 lamp | 75 W 100 W 150 W | E 27 E 27 F 27 | 935 1340 2160 | 115 160 | 230 | 125 170 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 900 - 3920 lumen

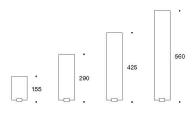
Unshielded luminaires in four lengths for fluorescent and energy-saving halogen lamps. Open wall luminaires with a high level of efficiency and fascinating light graphics.

This series is distinguished by a wide range of light outputs and luminaire lengths, and the lightweight appearance with rectangular glass cross-section.

Impressive luminaire glass elements made of hand-blown three-ply opal glass make these luminaires aesthetic interior architecture design elements. They are steady and reliable lighting tools that are extremely cost-effective during long periods of operation due to their modern lamp technology and perfect manufacture.

All technical data are given in the instructions for use for these luminaires.







Wall luminaires for fluorescent and halogen lamps Hand-blown opal glass, satin matt Metal bracket

Matt aluminium

Luminaires for fluorescent lamps with integral electronic ballasts.

Clearance of about $80\,\%$ of the luminaire length (B) is required above the luminaire to change the lamps.

| - A - | | | | | | | | | | |
|-------|---|------|--------------|------|------|-------|-----|-----|-----|----|
| | * | | Light source |) | Base | Lumen | Α | В | С | D |
| | | 8678 | 1 TC-SEL | 11 W | 2G7 | 900 | 100 | 290 | 115 | 35 |
| | В | 8679 | 1 TC-L | 24 W | 2G11 | 1800 | 100 | 425 | 115 | 35 |
| | | 8680 | 1 TC-L | 36 W | 2G11 | 2900 | 100 | 560 | 115 | 35 |
| L | | 8674 | 1 QT 14 | 60 W | G 9 | 980 | 100 | 155 | 90 | 35 |
| •D• | | 8675 | 2 QT 14 | 60 W | G 9 | 1960 | 100 | 290 | 90 | 35 |
| -0- | | 8676 | 3 QT 14 | 60 W | G 9 | 2940 | 100 | 425 | 90 | 35 |
| Ш | c | 8677 | 4 QT 14 | 60 W | G 9 | 3920 | 100 | 560 | 90 | 35 |



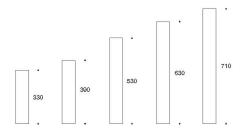
Powerful, unshielded luminaires in five sizes for fluorescent lamps. Open wall luminaires with a high degree of

This luminaire series is characterised by its different sizes, light output, and the elongated design. Perfect proportions and impressive luminaire glass made of hand-blown three-ply opal glass makes these luminaires aesthetic interior architecture design elements.

They are steady and reliable lighting tools that are extremely cost-effective during long periods of operation due to their modern lamp technology and perfect manufacture.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent lamps

Hand-blown opal glass Luminaire housing made of metal

White enamel RAL 9010

Luminaires with integral electronic ballasts.

The luminaires for 55 W and 80 W fluorescent lamps are also available in a 1-10 V dimmable version (see table).

Clearance of about 70% of the luminaire length (B) is required above the luminaire to change the lamps.

Installation as illustrated, only.



| | Light source | | Base | Lumen | Α | В | С |
|------|--------------|------|--------|-------|-----|-----|-----|
| 8392 | 1 TC-SEL | 11 W | 2 G 7 | 900 | 70 | 330 | 105 |
| 7620 | 1 TC-L | 24 W | 2 G 11 | 1800 | 80 | 390 | 115 |
| 7623 | 1 TC-L | 36 W | 2 G 11 | 2900 | 80 | 530 | 115 |
| 7622 | 1 TC-L | 55 W | 2 G 11 | 4800 | 100 | 630 | 135 |
| 8702 | 1 TC-L | 80 W | 2 G 11 | 6500 | 110 | 710 | 145 |

| 1-10 | V dimmable | version | | | | | |
|------|--------------|---------|--------|-------|-----|-----|-----|
| | Light source | be . | Base | Lumen | Α | В | C |
| 2070 | 1 TC-L | 55 W | 2 G 11 | 4800 | 100 | 630 | 135 |
| 2079 | 1 TC-L | 80 W | 2 G 11 | 6500 | 110 | 710 | 145 |



Unshielded wall luminaires for fluorescent lamps and lamps for screw base E14

Luminous flux 800 -1800 lumen Protection class IP 20

Closed wall luminaires in four sizes with different light output for fluorescent lamps and lamps for screw base E14. The hand-blown three-ply opal glass distributes the light from the lamps smoothly, uniformly and neutral in colour.

The aluminium housing of these luminaires is enamelled in white (RAL 9010). Customised versions of the luminaires are also available in any other RAL colour. Luminaires with or without integral safety socket. The luminaires can be installed in a horizontal or vertical position.

There are many different lamps for the E14 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

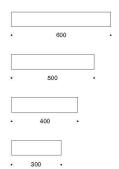
Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

To achieve a most uniform light distribution we recommend the luminaires for the TC-SEL fluorescent lamps that are specified in the table.

For luminaires with an E14 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E14 and all technical data are given in the instructions for use for these luminaires.





Wall luminaires

for fluorescent lamps and lamps for screw base E14

Protection class IP 20

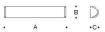
Hand-blown opal glass, satin matt

Luminaire housing made of aluminium and die cast aluminium

• White enamel RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts.

Toggle switch on the luminaire.



| | Light source | | Base | Lumen | Α | В | О |
|------|--------------|-------|------|-------|-----|----|----|
| 7484 | 1 TC-SEL | 11 W | 2G7 | 900 | 300 | 90 | 75 |
| 7485 | 2 TC-SEL | 9 W | 2G7 | 1200 | 400 | 90 | 75 |
| 7486 | 2 TC-SEL 9 | +11 W | 2G7 | 1500 | 500 | 90 | 75 |
| 7487 | 2 TC-SEL | 11 W | 2G7 | 1800 | 600 | 90 | 75 |
| 3628 | 2 lamps | 40 W | E14 | 800 | 300 | 90 | 75 |
| 3629 | 3 lamps | 40 W | E14 | 1200 | 400 | 90 | 75 |
| 3630 | 3 lamps | 40 W | E14 | 1200 | 500 | 90 | 75 |
| 3631 | 4 lamps | 40 W | E14 | 1600 | 600 | 90 | 75 |

| With | safety socket | | | | | | |
|------|---------------|-------|------|-------|-----|----|----|
| | Light source | | Base | Lumen | А | В | С |
| 1871 | 1 TC-SEL | 11 W | 2G7 | 900 | 335 | 90 | 75 |
| 1872 | 2 TC-SEL | 9 W | 2G7 | 1200 | 435 | 90 | 75 |
| 1873 | 2 TC-SEL 9 | +11 W | 2G7 | 1500 | 535 | 90 | 75 |
| 1874 | 2 TC-SEL | 11 W | 2G7 | 1800 | 635 | 90 | 75 |
| 3710 | 2 lamps | 40 W | E14 | 800 | 335 | 90 | 75 |
| 3711 | 3 lamps | 40 W | E14 | 1200 | 435 | 90 | 75 |
| 3712 | 3 lamps | 40 W | E14 | 1200 | 535 | 90 | 75 |
| 3713 | 4 Jamne | 40 W | F1/ | 1600 | 635 | an | 75 |



The luminaires on this double page are also available with a integral safety socket.
The luminaires with a safety socket are 35 mm longer than those without the socket (dimension A).

Unshielded wall luminaires for fluorescent lamps and lamps for screw base E 27

Luminous flux 415 - 2400 lumen Protection class IP 44

Wall luminaires in four sizes with different light output for fluorescent lamps and lamps for screw base E 27.

The hand-blown three-ply opal glass distributes the light smoothly, uniformly and neutral in colour. The high protection class IP 44 opens up a wide range of applications, even in areas in which this protection class is prescribed such as bathrooms.

The luminaires can be installed in a horizontal or vertical position.

Wall luminaires for a multitude of uses - either individually or arranged in groups.

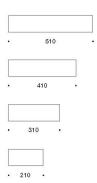
There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





Wall luminaires

for fluorescent lamps and lamps for screw base E $27\,$

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of die-cast aluminium and aluminium

• White enamel RAL 9010

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.



| | Light source | ŧ | Base | Lumen | А | В | C |
|------|--------------|------|--------|-------|-----|-----|----|
| 1847 | 1 TC-DEL | 13 W | G24q-1 | 900 | 210 | 100 | 95 |
| 1849 | 1 TC-DEL | 18 W | G24q-2 | 1200 | 310 | 100 | 95 |
| 1850 | 2 TC-DEL | 13 W | G24q-1 | 1800 | 410 | 100 | 95 |
| 1851 | 2 TC-DEL | 18 W | G24q-2 | 2400 | 510 | 100 | 95 |
| 8069 | 1 lamp | 40 W | E 27 | 415 | 210 | 100 | 95 |
| 8000 | 2 lamps | 40 W | E 27 | 830 | 310 | 100 | 95 |
| 3942 | 2 lamps | 60 W | E 27 | 1420 | 410 | 100 | 95 |
| 3945 | 2 lamps | 75 W | E 27 | 1870 | 510 | 100 | 95 |





Unshielded wall luminaires with LED, for fluorescent lamps and lamps for screw base E14

Luminous flux 800 - 2900 lumen Protection class IP 44





Wall luminaires in three sizes and different light output with LED, for fluorescent lamps and lamps for screw base E 14. The hand-blown three-ply opal glass diffuses the light from the lamps smoothly, uniformly and in a neutral colour. The choice of differently refined metal finishes allows the luminaires to be coordinated perfectly with the interior architecture.

The high protection class IP 44 opens up a wide range of applications, even in areas in which this protection class is prescribed such as bathrooms.

The luminaires can be installed in a horizontal or vertical position.

Wall luminaires for a host of uses – either individually or arranged in groups.

New in this product range ist the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight.

In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

There are many different lamps for the E14 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires with built-in LED or for fluorescent lamps that are specified in the table.

For luminaires with an E14 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E14 and all technical data are given in the instructions for use for these luminaires.





Wall luminaires

with LED, for fluorescent lamps and lamps for screw base E14

Protection class IP 44

Hand-blown opal glass, satin matt

Luminaire housing made of die-cast aluminium and aluminium Surface finish options

- White enamel RAL 9010
- Chrome
- Gold, 24 carat

Luminaires for fluorescent lamps with integral electronic ballasts.

These luminaires can be supplied as special versions for low-voltage halogen lamps in safety class III. External safety transformers must be used in this case.

LED luminaires with integral power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K \cdot Article number + **K4**



| White | Chrome | Gold | Light soul | rce | Base | Lumen | Α | В | С |
|-------|--------|------|------------|--------|--------|-------|-----|----|----|
| 6682 | 6676 | 6679 | LED | 16.4 W | - | 1440 | 400 | 90 | 80 |
| 6683 | 6677 | 6680 | LED | 18.4 W | _ | 1640 | 500 | 90 | 80 |
| 6684 | 6678 | 6681 | LED | 25.6 W | - | 2260 | 600 | 90 | 80 |
| 8634 | 8636 | 2153 | 1 TC-L | 24 W | 2 G 11 | 1800 | 400 | 90 | 80 |
| 8635 | 8637 | 2154 | 1 TC-L | 36 W | 2 G 11 | 2900 | 500 | 90 | 80 |
| 8003 | 8006 | 2155 | 1 TC-L | 36 W | 2 G 11 | 2900 | 600 | 90 | 80 |
| 7469 | 7471 | 7473 | 2 lamps | 40 W | E14 | 800 | 400 | 90 | 80 |
| 7147 | 7155 | 7151 | 3 lamps | 40 W | E14 | 1200 | 500 | 90 | 80 |
| 7148 | 7156 | 7152 | 4 lamps | 40 W | E14 | 1600 | 600 | 90 | 80 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 920 -1800 lumen Protection class IP 44





Wall luminaires for fluorescent lamps and energy-saving halogen lamps. Luminaires with outstanding quality. Precise metal workmanship, sophisticated finishes and hand-blown three-ply opal glass characterise this series. The vibration-proof mounting gives the glass a perfect connection with the housing. With protection class IP 44, the luminaires are also ideal for providing safety in the bathroom.

They are particularly suitable for arrangement in groups. Solid, reliable light tools that will perform their task over a long period of time.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of aluminium Surface finish options

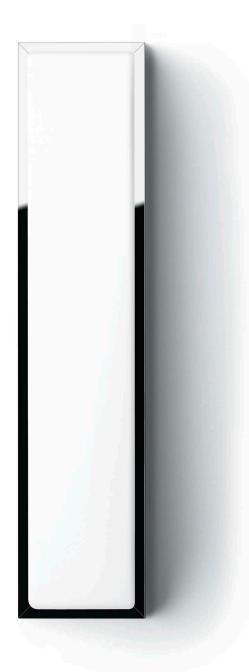
- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.



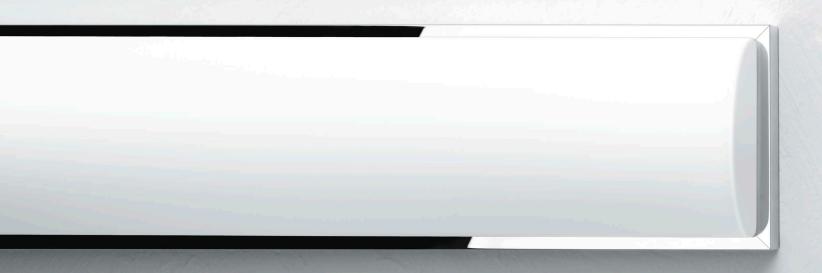
| Surface 1 | inish | | | | | | | |
|-----------|--------|-------------|------|--------|-------|-----|----|----|
| S/steel | Chrome | Light sourc | :e | Base | Lumen | А | В | С |
| 8548 | 8546 | 1 TC-L | 18 W | 2 G 11 | 1200 | 315 | 95 | 90 |
| 8549 | 8547 | 1 TC-L | 24 W | 2 G 11 | 1800 | 415 | 95 | 90 |
| 1852 | 1855 | 2 QT 14 | 33 W | G 9 | 920 | 315 | 95 | 90 |
| 1853 | 1856 | 2 QT 14 | 48 W | G 9 | 1480 | 415 | 95 | 90 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 460 - 2900 lumen Protection class IP 44





Wall luminaires for fluorescent lamps and energy-saving halogen lamps.

Luminaires with outstanding quality. Precise metal workmanship, sophisticated finishes and hand-blown three-ply opal glass characterise this series.

The vibration-proof mounting gives the glass a perfect connection with the housing. Protection class IP 44 means that the luminaires are also safe for use in the bathroom. They are particularly suitable for arrangement in groups. Solid, reliable light tools that will perform their task over a long period of time.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires

for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of aluminium Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.



| Surface f S/steel | inish Chrome | Light source |) | Base | Lumen | А | В | С |
|----------------------|-----------------|--------------|------|--------|-------|-----|-----|----|
| 8528 | 8524 | 1 TC-DEL | 13 W | G24q-1 | 900 | 215 | 115 | 90 |
| 8529 | 8525 | 1 TC-DEL | 18 W | G24q-2 | 1200 | 315 | 115 | 90 |
| 8530 | 8526 | 1 TC-L | 24 W | 2 G 11 | 1800 | 415 | 115 | 90 |
| 8531 | 8527 | 1 TC-L | 36 W | 2 G 11 | 2900 | 515 | 115 | 90 |
| 1930 | 1934 | 1 QT 14 | 33 W | G 9 | 460 | 215 | 115 | 90 |
| 1931 | 1935 | 2 QT 14 | 33 W | G 9 | 920 | 315 | 115 | 90 |
| 1932 | 1936 | 2 QT 14 | 48 W | G 9 | 1480 | 415 | 115 | 90 |
| 1933 | 1937 | 3 QT 14 | 48 W | G 9 | 2220 | 515 | 115 | 90 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1180 - 2400 lumen Protection class IP 44





Wall luminaires for fluorescent lamps and energy-saving halogen lamps. Luminaires with outstanding quality. Precise metal workmanship, sophisticated finishes and handblown three-ply opal glass characterise this series.

The vibration-proof mounting gives the glass a perfect connection with the housing. Protection class IP 44 means that the luminaires are also safe for use in the bathroom. They are particularly suitable for arrangement in groups. Solid, reliable light tools that will perform their task over a long period of time.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of aluminium Surface finish options

- Stainless steel
- Chrome

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with integral electronic ballasts.



| Surface | tinish | | | | | | | |
|---------|--------|--------------|------|--------|-------|-----|-----|-----|
| S/steel | Chrome | Light source | | Base | Lumen | А | В | С |
| 8334 | 8390 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 340 | 100 | 100 |
| 8335 | 8391 | 2 TC-DEL | 18 W | G24q-2 | 2400 | 470 | 100 | 120 |
| 8332 | 8388 | 1 QT 32 | 70 W | E 27 | 1180 | 340 | 100 | 100 |
| 8333 | 8389 | 2 QT 32 | 70 W | E 27 | 2360 | 470 | 100 | 120 |



Unshielded wall luminaires for fluorescent lamps and lamps for screw base E14 · E 27

Luminous flux 400-1340 lumen Protection class IP 44





Enclosed luminaires for a host of applications – individually or in groups, for use in interiors and bathrooms. Two luminaire series with different material versions are available.

High-quality metal housing in conjunction with hand-blown three-ply opal glass make the luminaires durable, aesthetic interior architecture design elements. The luminaires for screw base E14 can also be used as ceiling luminaires.

Luminaires for fluorescent lamps and lamps for screw base E14 · E27.

There are currently many different lamps for the E14 · E27 screw base, such as:

LED lamps, energy-saving halogen lamps and fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL fluorescent lamps that are specified in the table.

For luminaires with an E14 · E27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base $E 14 \cdot E 27$ and all technical data are given in the instructions for use for these luminaires.





White

Chrome





Wall and ceiling luminaires for lamps for screw base E14

Protection class IP 44

Hand-blown opal glass Luminaire housing made of die-cast metal Surface finish options

- White enamel RAL 9010
- Chrome
- Gold, 24 carat

| White | Chrome | Gold | Light sourc | е | Base | Lumen | Α | В |
|-------|--------|------|-------------|-------|------|-------|-----|-----|
| 3346 | 2286 | 2287 | 1 lamn | 40 W/ | E1/1 | 400 | 150 | 120 |



Wall luminaires

for fluorescent lamps and lamps for screw base E 27

Protection class IP 44

Hand-blown opal glass, satin matt Luminaire housing made of metal Surface finish options

- White enamel RAL 9010
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.

| Wall I | uminaires | Page 2 | 03 | | | | | | |
|--------------|--------------|--------------|----------------------|---------------|------------------|-------------|-------|------------|------------|
| White | Chrome | Brass | Light source | 9 | Base | Lumen | Α | В | С |
| 1928 1929 | 1919 1921 | 1924 1925 | 1 TC-DEL 1 TC-DEL | | G24q-1 G24q-2 | 900 1200 | | 260 310 | 100 100 |
| 3685 7096 | 3684 7100 | 3683 7098 | 1 lamp 1 lamp | 75 W 100 W | E 27 E 27 | 935 1340 | 0.000 | 260 310 | 100 100 |





Unshielded wall luminaires for lamps for screw base E14 · E 27

Luminous flux 400 - 935 lumen Protection class IP 44

High-quality hand-blown luminaire glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, diffuses the light uniformly and pleasantly in the room. Enclosed wall luminaires that highlight the attractiveness of the opal glass. This series is characterised by its striking or discreet effect.

The glass of the seashell is a striking reproduction of the attractiveness of its natural original. Sand is one of the most precious raw materials in the manufacture of glass – which is perhaps the reason why we feel a special bond with the seashell.

For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All technical data are given in the instructions for use for these luminaires.











Wall luminaires for lamps for screw base E14 · E 27 Protection class IP 44 Hand-blown opal glass, satin matt Backplate made of metal
• White enamel RAL 9010



| | Light sour | ce | Base | Lumen | Α | В |
|------|------------|------|------|-------|-----|-----|
| 2808 | 1 lamp | 40 W | E14 | 400 | 180 | 90 |
| 2856 | 1 lamp | 60 W | E 27 | 710 | 200 | 110 |
| 2991 | 1 lamp | 75 W | E 27 | 935 | 260 | 120 |

Wall luminaires · unshielded or with infinitely adjustable cover for energy-saving halogen lamps

Luminous flux 460 - 820 lumen Protection class IP 44



Wall luminaires, either unshielded or infinitely adjustable.

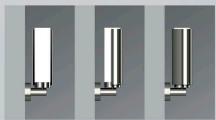
High-quality luminaires with a die-cast metal housing and hand-blown opal glass.

The three-ply opal glass distributes the light smoothly, uniformly and in a neutral colour. The adjustable luminaires have a metal shield that can be rotated to any position. The quantity of light can be regulated as required. Wall luminaires for a host of applications.

The high protection class IP 44 opens up a wide range of applications, even in areas in which this protection class is prescribed, such as bathrooms.

Special regulations apply here to protect persons from electric shock. Luminaires installed in defined protected zones for water-taps must have protection class IP 44.

All technical data are given in the instructions for use for these luminaires.



Shield can be rotated by 360°





Wall luminaires, **unshielded** or with **infinitely adjustable** cover for halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt, with thread Luminaire housing made of die-cast metal Surface finish options

- Stainless steel
- Chrome
- Gold, 24 carat

8703 · 8704 Hand-blown opal glass, glossy

Luminaire housing made of die-cast metal, with metal cover Surface finish options

- Stainless steel
- Chrome

Light output 160°, infinitely adjustable by 360°.



| uminaires | unshield | ded · Page | 207 | | | | | | |
|------------------|-----------------|-----------------------------------|-------------------------------|---|--|---|---|---|--|
| finish Chrome | Gold | Light sourc | oe . | Base | Lumen | А | В | С | D |
| 6994 | 6996 | 5 3789 5 5 | 2020 0 0 | G 9 | 460 | 10.0 | - | 1000 | 70 |
| | inish Chrome | inish Chrome Gold 6994 6996 | inish Chrome Gold Light sourc | Chrome Gold Light source 6994 6996 1 QT 14 33 W | inish Chrome Gold Light source Base 6994 6996 1 QT 14 33 W G 9 | Chrome Gold Light source Base Lumen | inish Chrome Gold Light source Base Lumen A 6994 6996 1 QT 14 33 W G 9 460 50 | inish Chrome Gold Light source Base Lumen A B 6994 6996 1 QT 14 33 W G 9 460 50 235 | inish Chrome Gold Light source Base Lumen A B C 6994 6996 1 QT 14 33 W G 9 460 50 235 95 |



| Surface finish S/steel Chrome Light source Base Lumen A B C | | | | | | | | |
|---|--|--------------|------|-------|---|---|---|---|
| | | Light source | Base | Lumen | Α | В | C | D |





Unshielded wall luminaires for energy-saving halogen lamps

Luminous flux 920 -1480 lumen Protection class IP 44

Wall luminaires, for either vertical or horizontal installation. High-quality luminaires with a die-cast metal bracket and hand-blown, satin matt opal glass.

The valuable three-ply opal glass diffuses the light smoothly, uniformly and in a neutral colour. Luminaires for horizontal installation have a bigger projection and are particularly suitable for use above mirrors or shelves, for example.

The high protection class IP 44 opens up a wide range of applications, even in areas in which this protection class is prescribed. In bathrooms, for example. Special regulations apply here to protect persons from electric shock. Luminaires installed in defined protected zones for water-taps must have protection class IP 44. All technical data are given in the instructions for use for these luminaires.

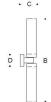


Wall luminaires for halogen lamps

Protection class IP 44

Hand-blown opal glass, satin matt, with thread Luminaire housing made of die-cast metal Surface finish options

- Stainless steel
- Chrome
- Gold, 24 carat



[O Å

| Wall lu | uminaires | for verti | cal installat | ion · Pa | ge 209 | | | | | |
|----------------------|-----------|------------------|---------------|----------|--------|-------|---|-----|----|---|
| Surface : S/steel | | Gold | Light sour | ce | Base | Lumen | А | В | С | D |
| 6841 | 6842 | 6843 | 2 QT 14 | | G 9 | 920 | | 400 | 95 | |





Wall luminaires for horizontal installation · Fig. above and Page 208

Wall luminaires with the same technical characteristics as the luminaires in the table above, but for horizontal installation and with a bigger projection (C)

| Surface : | finish | | | | | | | | | |
|-----------|--------|------|--------------|------|------|-------|----|-----|-----|----|
| S/steel | Chrome | Gold | Light source | | Base | Lumen | Α | В | С | D |
| 6998 | 6999 | 6674 | 2 QT 14 | 33 W | G 9 | 920 | 50 | 400 | 160 | 70 |
| 8601 | 8600 | 8599 | 2 QT 14 | 48 W | G 9 | 1480 | 60 | 500 | 170 | 70 |





Unshielded wall luminaires with LED or for fluorescent lamps

Luminous flux 310 - 6500 lumen
Protection class IP 44

Unshielded wall luminaires with LED or for fluorescent lamps.

A new group of wall luminaires with different sizes and light outputs. The design, construction and quality are common features of all of the sizes in this series. Luminaires with compact dimensions or elongated versions are optionally available. The luminaires are equipped with LED in accordance with the dimensions or are suitable for operating compact or linear fluorescent lamps.

Precise metal workmanship, sophisticated finishes and hand-blown three-ply opal glass are the characteristics of this series.

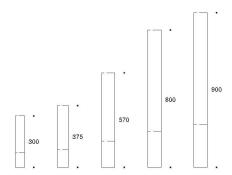
With protection class IP 44, the luminaires also also ideal for providing safety in the bathroom.

Luminaires for many lighting tasks in the interior – individually or in groups. Solid, reliable light tools that will perform their task over a long period of time.

The luminaires for TC-L fluorescent lamps have an internal hinge mechanism that allows the glass to be swivelled in and out to change the lamps.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires with LED or for fluorescent lamps

Protection class IP 44

Hand-blown opal glass with thread Luminaire housing made of metal Surface finish options

- Stainless steel
- Chrome

Luminaires for fluorescent lamps with integral electronic ballasts.

The luminaires for TC-L fluorescent lamps have a hinge for swivelling out.

LED luminaires with integral power supply unit.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K · Article number + **K4**



2042

2043

2053

2060

| Surface : S/steel | | Light source | | Base | Lumen |
|----------------------|------|--------------|-------|-----------|-------|
| 2034 | 2046 | LED | 3.2 W | = | 310 |
| 2035 | 2048 | LED | 4.2 W | _ | 410 |
| 2036 | 2049 | LED | 6.4 W | _ | 620 |
| 2039 | 2050 | 1 TC-DEL | 18 W | G24q-2 | 1200 |
| 2040 | 2051 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 |
| 2041 | 2052 | 1 TC-L | 36 W | 2 G 11 | 2900 |

55 W 2 G 11

80 W 2 G 11

4800

6500

1 TC-L

1 TC-L

94 800 130

94 900 130





Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1800 - 4720 lumen Protection class IP 44



Wall luminaires in two sizes with different light output for fluorescent or energy-saving halogen lamps.

Hand-blown opal glass and precision metal workmanship in perfect interaction.

The three-ply opal glass diffuses the light smoothly, uniformly and in a neutral colour.

The high protection class IP 44 opens up a wide range of applications, even in areas in which this protection class is prescribed such as bathrooms.

The luminaires can be installed in a horizontal or vertical position.

Wall luminaires for a host of uses - either individually or arranged in groups.

All technical data are given in the instructions for use for these luminaires.





Wall luminaires for fluorescent and halogen lamps

Protection class IP 44

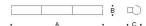
Hand-blown opal glass with thread Luminaire housing made of metal Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome

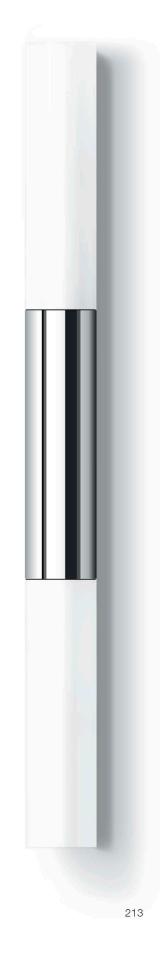
Luminaires for fluorescent lamps with integral electronic ballasts.

Please note:

Clearance of about 35 $\!\%$ of the luminaire length (A) is required at both ends of the luminaire to change the lamps.



| White | Surface : S/steel | finish Chrome | Liaht source | 9 | Base | Lumen | A | В | C |
|-------|----------------------|------------------|--------------|--------|--------|-------|-----|----|-----|
| 2092 | 2094 | 2096 | 2 TC-SEL | n . | 2 G 7 | 1800 | 640 | 60 | 90 |
| 2093 | 2095 | 2097 | 2 TC-L | 24 W | 2 G 11 | 3600 | 920 | 80 | 110 |
| 8710 | 8706 | 8708 | 4 QT 14 | 33 W | G 9 | 1840 | 640 | 60 | 90 |
| 9711 | 9707 | 9700 | 4 OT 32 | 70 14/ | E 27 | 4720 | 020 | 90 | 110 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 920 - 7000 lumen Protection class IP 65



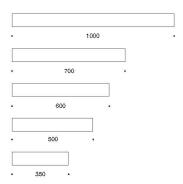


Unshielded wall luminaires in five lengths. Powerful luminaires with metal cylinders closing the ends of the glass. Hand-blown three-ply opal glass and precision metal parts in perfect interaction.

The high IP 65 protection class opens up a wide range of applications such as bathrooms or the wellness area.

Wall luminaires for a host of uses – either individually or arranged in groups. An internal hinge mechanism allows the glass to be swivelled in and out in order to change the lamps. This means that the luminaires can also be installed in niches from wall to wall, either horizontal or vertical. The necessary planning data and all technical information are given in the instructions for use for these luminaires.





Wall luminaires

for fluorescent and halogen lamps

Protection class IP 65

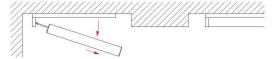
Hand-blown opal glass

Luminaire housing made of metal

Surface finish options

- Stainless steel
- Chrome

Luminaires for fluorescent lamps with integral electronic ballasts.



A hinge mechanism allows the glass to be swivelled in and out in order to change the lamps.



| Surface t S/steel | Chrome | Light sour | ce | Base | Lumen | А | В | С |
|----------------------|--------|------------|------|--------|-------|------|----|-----|
| 6644 | 6648 | 1 TC-L | 18 W | 2 G 11 | 1200 | 350 | 80 | 115 |
| 8728 | 8789 | 1 TC-L | 24 W | 2 G 11 | 1800 | 500 | 80 | 115 |
| 8729 | 8790 | 1 TC-L | 36 W | 2 G 11 | 2900 | 600 | 80 | 115 |
| 8730 | 8791 | 2 T 16 | 24 W | G 5 | 4000 | 700 | 80 | 115 |
| 8731 | 8792 | 2 T 16 | 39 W | G 5 | 7000 | 1000 | 80 | 115 |
| 6641 | 6645 | 2 QT 14 | 33 W | G 9 | 920 | 350 | 80 | 115 |
| 6642 | 6646 | 3 QT 14 | 33 W | G 9 | 1380 | 500 | 80 | 115 |
| 6643 | 6647 | 4 QT 14 | 33 W | G 9 | 1840 | 600 | 80 | 115 |







Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 900 - 4800 lumen Protection class IP 44

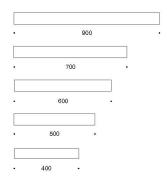




Enclosed wall luminaires in five sizes with different light output for fluorescent and energy-saving halogen lamps.

Hand-blown opal glass and precision metal parts in perfect interaction. The three-ply opal glass diffuses the light smoothly, uniformly and in a neutral colour. The high protection class IP 44 opens up a wide range of applications, even in areas in which this protection class is prescribed such as bathrooms. The luminaires can be installed in a horizontal or vertical position. Wall luminaires for a host of uses – either individually or arranged in groups. All technical data are given in the instructions for use for these luminaires.





Wall luminaires

for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass Luminaire housing made of metal

Surface finish options
• White enamel RAL 9010

- Stainless steel
- Chrome

Luminaires for fluorescent lamps with integral electronic ballasts.

Please note:

Clearance of about 50 $\!\%$ of the luminaire length (A) is required at one end of the luminaire to change the lamps



| | Surface t | inish | | | | | | | |
|-------|-----------|--------|--------------|--------|--------|-------|-----|----|-----|
| White | S/steel | Chrome | Light source | e | Base | Lumen | Α | В | 0 |
| 1886 | 1894 | 1905 | 1 TC-SEL | _ 11 W | 2 G 7 | 900 | 400 | 60 | 90 |
| 1887 | 1899 | 1906 | 1 TC-L | 18 W | 2 G 11 | 1200 | 500 | 70 | 100 |
| 1890 | 1901 | 1907 | 1 TC-L | 24 W | 2 G 11 | 1800 | 600 | 70 | 100 |
| 1893 | 1903 | 1914 | 1 TC-L | 36 W | 2 G 11 | 2900 | 700 | 70 | 100 |
| 8649 | 8641 | 8645 | 1 TC-L | 55 W | 2 G 11 | 4800 | 900 | 70 | 100 |
| 1938 | 1944 | 1949 | 2 QT 14 | 33 W | G 9 | 920 | 400 | 60 | 90 |
| 1939 | 1945 | 1950 | 3 QT 14 | 33 W | G 9 | 1380 | 500 | 70 | 100 |
| 1940 | 1946 | 1951 | 3 QT 14 | 33 W | G 9 | 1380 | 600 | 70 | 100 |
| 1941 | 1947 | 1952 | 4 QT 14 | 33 W | G 9 | 1840 | 700 | 70 | 100 |
| 1943 | 1948 | 1953 | 5 QT 14 | 33 W | G 9 | 2300 | 900 | 70 | 100 |



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1800 - 2900 lumen Protection class IP 44



Unshielded wall luminaires for fluorescent and energy-saving halogen lamps.

Luminaires with outstanding quality – with hand-blown three-ply opal glass, precision metal parts and sophisticated finishes.

With protection class IP 44, the luminaires are also ideal for providing safety in the bathroom.

Luminaires for many lighting tasks in the interior – individually or in groups.

Solid, reliable light tools that will perform their task over a long period of time.

All technical data are given in the istructions for use for these luminaires.





Wall luminaires for fluorescent and halogen lamps

Protection class IP 44

Hand-blown opal glass Luminaire housing made of metal Surface finish options

- White enamel RAL 9010
- Chrome
- Gold, 24 carat

Luminaires for fluorescent lamps with integral electronic ballasts.

Clearance of about $80\,\%$ of the luminaire length (B) is required above the luminaire to change the lamps.







| White | Chrome | Gold | Light source |) | Base | Lumen | А | В | С |
|-------|--------|------|--------------|-------|--------|-------|-----|-----|-----|
| 1975 | 1971 | 1973 | 1 TC-DEL | 26 W | G24q-3 | 1800 | 110 | 310 | 90 |
| 1976 | 1972 | 1974 | 1 TC-L | 36 W | 2 G 11 | 2900 | 150 | 460 | 110 |
| 7240 | 7248 | 7244 | 1 QT 32 | 100 W | E 27 | 1800 | 110 | 310 | 90 |
| 7241 | 7249 | 7245 | 2 QT 32 | 70 W | E 27 | 2360 | 150 | 460 | 110 |





Unshielded wall luminaires for fluorescent and energy-saving halogen lamps

Luminous flux 1470 -10 800 lumen

Unshielded wall luminaires in multiple configuration for fluorescent and energy-saving halogen lamps. The different luminaire sizes and light output provide a considerable amount of design potential.

The slim cylinders made of hand-blown three-ply opal glass are held in place by a strikingly precise ring segment with rectangular cross-section.

The precious metal parts are polished by hand with masterly skill. The luminaires provide impressive and festive light in a clear, contemporary design, for exclusive private rooms and large, stylish architecture. Luminaires whose distinctive shape has an impressive effect on people and rooms, day and night.

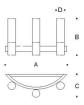
Matching pendant luminaires for planning lighting systems can be found on pages 222 - 225. All technical data are given in the istructions for use for these luminaires.



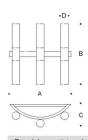


Wall luminaires for fluorescent and halogen lamps Hand-blown opal glass with thread Metal fitting made of • Polished aluminium

Luminaires for fluorescent lamps with integral electronic ballasts.



| Single wall luminaires | | | | | | | | | | | |
|------------------------|-------------------------------|---|--|--|--|---|--|--|--|--|--|
| ght source | | Base | Lumen | Α | В | 0 | D | | | | |
| TC-DEL | 26 W | G24q-3 | 5400 | 650 | 385 | 250 | 80 | | | | |
| QT 26 | 40 W | E14 | 1470 | | | | 50 80 | | | | |
| | ght source TC-DEL QT 26 | ght source TC-DEL 26 W QT 26 40 W | ht source Base TC-DEL 26 W G24q-3 QT 26 40 W E14 | ht source Base Lumen TC-DEL 26 W G24q-3 5400 QT 26 40 W E14 1470 | ht source Base Lumen A TC-DEL 26 W G24q-3 5400 650 QT 26 40 W E14 1470 400 | ght source Base Lumen A B TC-DEL 26 W G24q-3 5400 650 385 QT 26 40 W E14 1470 400 235 | ht source Base Lumen A B C TC-DEL 26 W G24q-3 5400 650 385 250 QT 26 40 W E14 1470 400 235 160 | | | | |



| Double wall luminaires | | | | | | | | | | | |
|------------------------|--------------------|---------------|--------------|---------------|-------|------------|----------|----------|--|--|--|
| | Light source |) | Base | Lumen | Α | В | С | D | | | |
| 8987 | 6 TC-DEL | 26 W | G24q-3 | 10800 | 650 | 640 | 250 | 80 | | | |
| 8983 8985 | 6 QT 26 6 QT 32 | 40 W 100 W | E 14 E 27 | 2940 10800 | 8.5.5 | 400 640 | 11704100 | 50 80 | | | |

Pendant luminaires and ceiling luminaires for large rooms for fluorescent and energy-saving halogen lamps

Luminous flux 2940 - 32 400 lumen

A series of pendant luminaires with rod suspension that also match the luminaires on page 224. We refer to them as »chandeliers«. They are a contemporary interpretation of the historical chandeliers that have provided extremely festive lighting for rooms since time immemorial.

They are luminaires that make an impressive effect on people and rooms with their unmistakable design, day and night.

Impressive and festive light – for exclusive private rooms and large, stylish architecture.

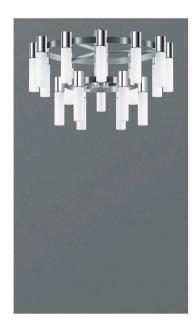
The slim cylinders made of hand-blown three-ply opal glass are held in place by strikingly precise rings with rectangular cross-section.

The precious chandeliers are individually manufactured and polished by hand with masterly skill.

We can also supply customised variants of these luminaires with a combination of different chandelier diameters. Special RAL colours available on request. Matching wall luminaires can be found on page 220.

All technical data are given in the istructions for use for these luminaires.





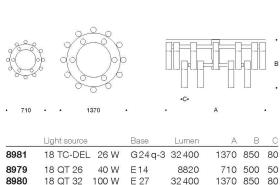
Ceiling luminaires · Chandeliers for fluorescent and halogen lamps

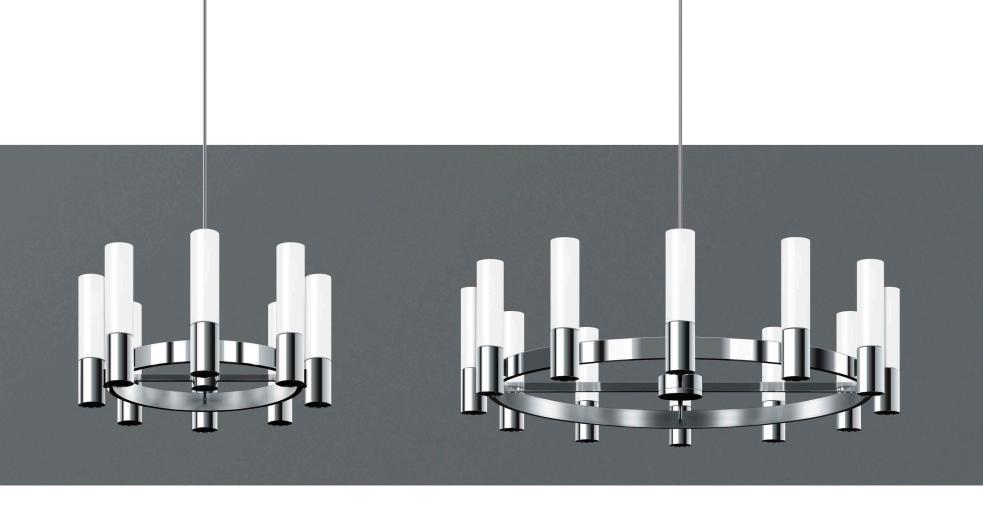
Hand-blown opal glass with thread Luminaire housing made of

Polished aluminium

Luminaires for fluorescent lamps with integral electronic ballasts.

C = Diameter of glass cylinder





Pendant luminaires for large rooms · Chandeliers

for fluorescent and halogen lamps

Hand-blown opal glass with thread

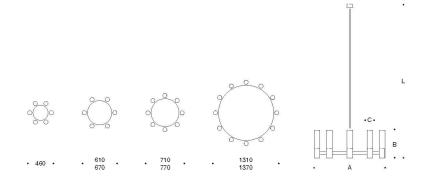
Chandelier, canopy and rod suspension made of

• Polished aluminium

Luminaires for fluorescent lamps with integral electronic ballasts.

C = Diameter of glass cylinder

L = Overall length of luminaire



| | Light source | | Base | Lumen | Rod susp. | А | В | О | L |
|------|--------------|-------|--------|--------|--------------|------|-----|----|------|
| 5497 | 6 TC-DEL | 26 W | G24q-3 | 10800 | Ø16 | 670 | 385 | 80 | 1650 |
| 5498 | 8 TC-DEL | 26 W | G24q-3 | 14400 | Ø16 | 770 | 385 | 80 | 1650 |
| 5499 | 12 TC-DEL | 26 W | G24q-3 | 21 600 | Ø20 | 1370 | 385 | 80 | 1950 |
| 5405 | 6 QT 26 | 40 W | E14 | 2940 | Ø13 | 460 | 235 | 50 | 1700 |
| 5320 | 6 QT 26 | 40 W | E14 | 2940 | Ø13 | 610 | 235 | 50 | 1700 |
| 5321 | 8 QT 26 | 40 W | E14 | 3920 | Ø13 | 710 | 235 | 50 | 1700 |
| 5322 | 12 QT 26 | 40 W | E14 | 5880 | Ø16 | 1310 | 235 | 50 | 1890 |
| 5323 | 6 QT 32 | 100 W | E 27 | 10800 | Ø16 | 670 | 385 | 80 | 1650 |
| 5324 | 8 QT 32 | 100 W | E 27 | 14400 | Ø16 | 770 | 385 | 80 | 1650 |
| 5325 | 12 QT 32 | 100 W | E 27 | 21 600 | Ø20 | 1370 | 385 | 80 | 1950 |



Pendant luminaires for large rooms for fluorescent and energy-saving halogen lamps

Luminous flux 5880 - 64 800 lumen

A series of pendant luminaires with rod suspension that also match the luminaires on page 222. We refer to them as »chandeliers«. They are a contemporary interpretation of the historical chandeliers that have provided extremely festive lighting for rooms since time immemorial. They are luminaires that make an impressive effect on people and rooms with their unmistakable design, day and night. Impressive and festive light – for exclusive private rooms and large, stylish architecture.

The slim cylinders made of hand-blown three-ply opal glass are held by strikingly precise rings with rectangular cross-section.

The rings are individually manufactured and polished by hand with masterly skill.

We can also supply customised variants of these luminaires with a combination of different chandelier diameters and pendant lengths.

Special RAL colours available on request. Matching wall luminaires can be found on page 220. All technical data are given in the istructions for use for these luminaires.



Pendant luminaires for large rooms · Chandeliers

for fluorescent and halogen lamps

Hand-blown opal glass with thread

Chandelier, canopy and rod suspension made of

Polished aluminium

Lum. for fluorescent lamps with integral electronic ballasts.

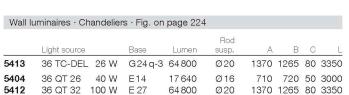
C = Diameter of glass cylinder

L = Overall length of luminaire







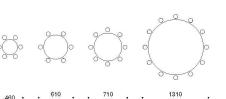


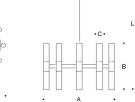
64800

Ø20

·C ·

1370 1265 80 3350





| Wall lu | Wall luminaires · Chandeliers · Fig. on page 225 | | | | | | | | | | | |
|------------------------------|--|------------------------------|----------------------------|--------------------------------|--------------------------|---------------------------|--------------------------|----------------|------------------------------|--|--|--|
| | Light source | | Base | Lumen | Rod susp. | А | В | С | L | | | |
| 5332 5333 5334 | 12 TC-DEL 16 TC-DEL 24 TC-DEL | 26 W | G24q-3 G24q-3 G24q-3 | 28800 | Ø16 Ø16 Ø20 | 670 770 1370 | 640 640 640 | 80 80 80 | 1890 1890 2190 | | | |
| 5406 5326 5327 5328 | 12 QT 26 12 QT 26 16 QT 26 24 QT 26 | 40 W 40 W 40 W 40 W | E14 E14 E14 F14 | 5880 5880 7840 11,760 | Ø13 Ø13 Ø13 Ø16 | 460 610 710 1310 | 400 400 400 400 | 50 50 50 | 1860 1860 1860 2050 | | | |
| 5329 5330 5331 | 12 QT 32 16 QT 32 24 QT 32 | 100 W 100 W 100 W | E 27 E 27 E 27 | 21 600 28 800 43 200 | Ø16 Ø16 Ø20 | 670 770 1370 | 640 640 640 | 80 80 80 | 1890 1890 2190 | | | |



LED pendant luminaires for large rooms

Luminous flux 6400 lumen

LED technology has established itself in professional lighting equipment.

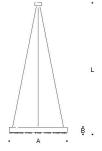
As a powerful and stable light source, the LED opens up many new product design possibilities.

The flat, polished aluminium ring of this new chandelier has a diameter of almost one metre and contains 16 brilliant crystal glass elements.

Each of these impressive glass elements acts like a small, sparkling precious stone, held in a precious ring. Each element is illuminated by an LED with a colour temperature of 3000 Kelvin. The chandelier generates a luminous flux of 6800 lumen with its total connected load (LED and power supply unit) of just 130 Watts. The luminaires are dimmable for perfect coordination of the light to the respective lighting situation. This precious and impressive chandelier is for use in exclusive private rooms and in large, stylish architecture. All technical data are given in the istructions for use for these luminaires.









LED pendant luminaires for large rooms · Chandelier

16 crystal glass elements, partially frosted, with thread Reflectors made of high-gloss anodised pure aluminium Support ring and canopy made of

Polished aluminium

L = Overall length of luminaire

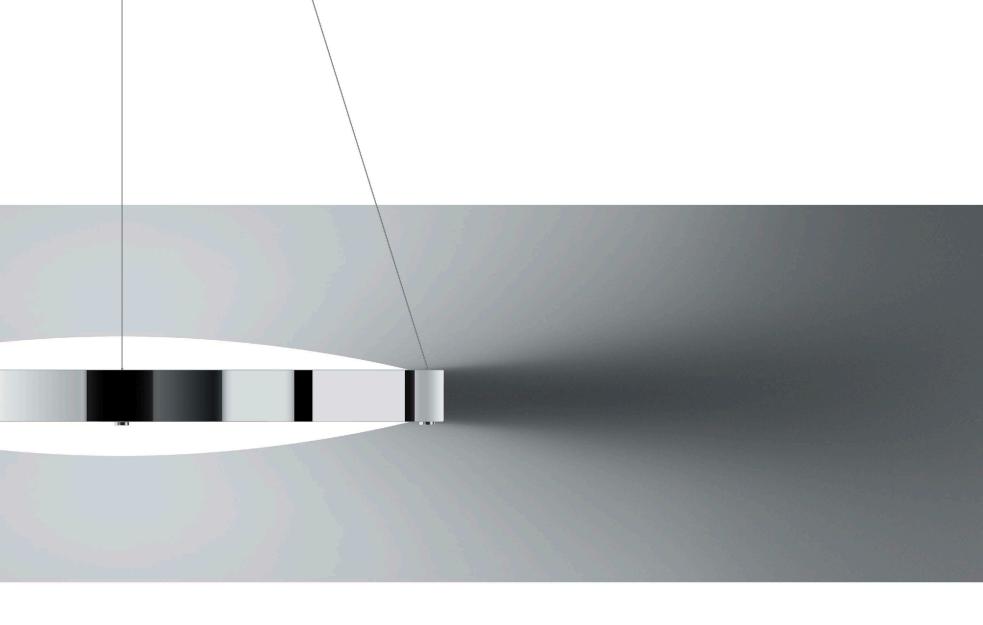
4 steel wire suspensions on the canopy · Transparent connecting cable is routed in parallel on a steel wire.

Integral LED and power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**

 Light source
 Lumen
 A
 B
 L

 5428
 LED
 105 W
 6400
 925
 68
 3000



»DUALA«

Large pendant luminaires for light in two directions

Luminous flux 11 600 · 32 500 lumen

Pendant luminaires that emit their light in two directions. Luminaires with unusually high light output. Two diameters are optionally available. The luminaires are dimmable for perfect coordination of the light to the respective lighting situation. Luminaires with large diffusing panels, which diffuse the light of the fluorescent lamps up- and downwards.

The newly-developed light-diffusing frosting on the inside of the panels provides maximum uniformity and transmission of the illuminating surface.

The high light output reduces the number of installation points and therefore the number of luminaires that is needed.

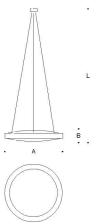
A long service life and the cost-effectiveness of the lamps also reduce the installation, maintenance and operating costs.

Luminaires for new and creative lighting design for almost all interior architecture areas.

Matching ceiling luminaires can be found on page 70. All technical data are given in the istructions for use for these luminaires.







Large pendant luminaires for fluorescent lamps

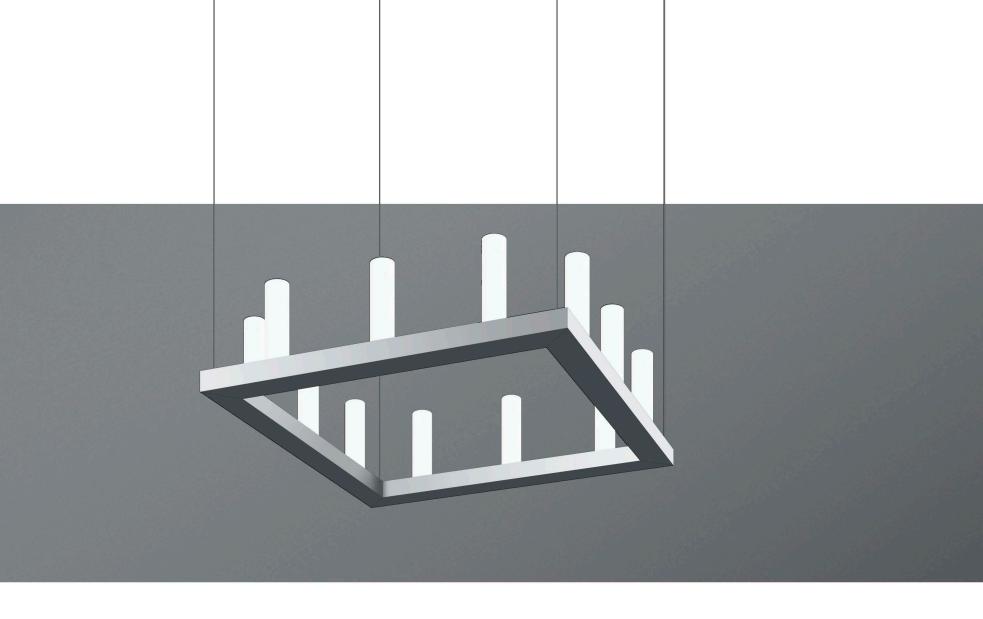
2 synthetic covers with white, light-diffusing frosting Luminaire housing made of

- Polished aluminium
- L = Overall length of luminaire
- 4 steel suspension wires on the canopy
- Transparent connecting cable

Connecting cable is routed in parallel on a steel wire.

Luminaires with integral electronic ballasts, dimmable 1-10 V.

| | Light source | | Base | Lumen | А | В | L | |
|------|--------------|------|------|--------|-----|-----|------|--|
| 5506 | 4 TC-L | 36 W | 2G11 | 11 600 | 670 | 190 | 3000 | |
| 5507 | 5 TC-L | 80 W | 2G11 | 32 500 | 930 | 230 | 3000 | |





»QUADRATA« large pendant luminaires for fluorescent and energy-saving halogen lamps

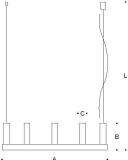
Luminous flux 9840 - 43 200 lumen

Large pendant luminaires for fluorescent and energy-saving halogen lamps. The square frame of the luminaires holds glass cylinders made of hand-blown three-ply opal glass, available in single or double configuration. Different levels of luminance can be achieved by using different lamps and light outputs. The luminaires provide impressive and festive light in a clear, contemporary design for exclusive private rooms and large, stylish architecture.

We can also supply customised variants of these luminaires in different sizes. Special RAL colours available on request.

All technical data are given in the istructions for use for these luminaires.





Single and **double** pendant luminaires for large rooms for fluorescent and halogen lamps

Hand-blown opal glass elements, satin matt, with thread Support frame and canopy made of aluminium

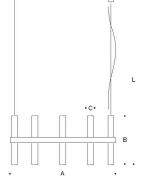
• White aluminium enamel RAL 9006

Luminaires for fluorescent lamps with integral electronic ballasts, dimmable 1-10 V.

C = Diameter of glass cylinder

L = Overall length of luminaire

4 steel suspension wires · Transparent connecting cable Connecting cable is routed in parallel on a steel wire.



| Single | | | | | | | | |
|--------|--------------|------|--------|-------|-----------|-----|----|------|
| | Light source | | Base | Lumen | A | В | C | L |
| 5540 | 12 TC-DEL | 26 W | G24q-3 | 21600 | 1000x1000 | 260 | 60 | 4000 |
| 5417 | 12 QT 26 | 60 W | E14 | 9840 | 1000×1000 | 260 | 60 | 4000 |

| Doub | le | | | | | | | |
|------|--------------|------|--------|-------|------------|-----|----|------|
| | Light source | | Base | Lumen | A | В | C | L |
| 5541 | 24 TC-DEL | 26 W | G24q-3 | 43200 | 1000 x1000 | 470 | 60 | 4000 |
| 5419 | 24 OT 26 | 60 W | F14 | 19680 | 1000 x1000 | 470 | 60 | 4000 |



»Direct and indirect light«
Pendant luminaires with high light output for fluorescent and halogen lamps

Luminous flux 6400 · 13400 lumen

Pendant luminaires with rod suspension and two different beam directions. The light distribution of the two glass luminaire elements consists of part directed, part free radiating light. In order to generate a high level of horizontal luminance, the majority of the light is directed downwards. The other part of the light penetrates the hand-blown luminaire glass and generates the vertical luminance. The light that is directed upwards is deflected by the reflector. This deflection has the effect of distributing the light in an extremely smooth and uniform way, effectively removing glare. For lighting situations that make the highest demands with regard to light uniformity and suppression from glare.

All technical data are given in the istructions for use for these luminaires.



The downlight with reflector made of anodised pure aluminium diverts the required horizontal luminance onto the working areas in a directed and glarefree way.

Pendant luminaires with rod suspension \cdot Downlight for fluorescent and halogen lamps

Two hand-blown opal glass elements with thread Reflector made of anodised pure aluminium Luminaire housing, rod suspension and canopy made of metal • White aluminium enamel RAL 9006

Luminaires with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with 26 \cdot 32 W lamps

Rod suspension with 16 mm diameter, consisting of 600 mm long individual elements

L = Overall length of luminaire



| | Light source | | Base | Lumen | Α | В | 0 | D | L | |
|------|--------------|------|-------|-----------|-----|-----|-----|-----|------|--|
| 5319 | 2 TC-TELI | 42 W | GX24q | -3/4 6400 | 150 | 850 | 400 | 710 | 2600 | |
| 5271 | 2 HIE-CE | 70 W | E 27 | 13 400 | 150 | 850 | 400 | 710 | 2600 | |





Unshielded pendant luminaires with high light output for fluorescent lamps and lamps for screw base E 27

Luminous flux 1200 - 19500 lumen



Powerful, unshielded luminaires in five sizes for fluorescent lamps and lamps for screw base E 27.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers.

This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly. This effect is particularly enhanced by the large surface of the luminaire glass.

Solid, reliable light tools that will perform their task over a long period of time. Perfectly proportioned and impressive glass elements make the luminaires long-lasting aesthetic interior architecture design elements.

There are many different lamps for the E 27 screw base nowadays, such as LED lamps, energy-saving halogen lamps and fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform illumination of the opal glass elements we recommend the luminaires for fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the istructions for use for these luminaires.



Page 184

Pendant luminaires

for fluorescent lamps and lamps for screw base E 27

Hand-blown opal glass

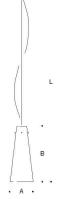
Glass retainer screws and canopy made of stainless steel

Luminaires for fluorescent lamps with integral electronic ballasts. 5488 $\,$ dimmable 1-10 $\!V$

L = Overall length of luminaire

Steel wire suspension \cdot Transparent connecting cable

5488 White connecting cable



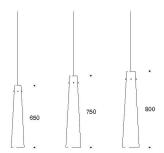
| | Light source | | Base | Lumen | Α | В | L |
|------|--------------|-------|---------|-------|-----|-----|------|
| 5387 | 1 TC-DEL | 18 W | G24q-2 | 1200 | 140 | 300 | 2000 |
| 5290 | 1 TC-TELI | 32 W | GX24q-3 | 2400 | 155 | 390 | 2000 |
| 5291 | 1 TC-TELI | 57 W | GX24q-5 | 4300 | 225 | 550 | 3000 |
| 5292 | 3 TC-L | 36 W | 2 G 11 | 8700 | 295 | 630 | 4000 |
| 5488 | 3 TC-L | 80 W | 2 G 11 | 19500 | 330 | 780 | 4000 |
| 5386 | 1 lamp | 100 W | E 27 | 1340 | 140 | 300 | 2000 |
| 5339 | 1 lamp | 150 W | E 27 | 2160 | 155 | 390 | 2000 |
| 5340 | 2 lamps | 150 W | E 27 | 4320 | 225 | 550 | 3000 |





Unshielded pendant luminaires with high light outputs for fluorescent lamps

Luminous flux 2900 - 6500 lumen



Powerful, unshielded luminaires in three sizes for fluorescent lamps.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers.

This produces a highly-translucent but opaque glass that distributes the light extremely uniformly. The effect is particularly enhanced by the large surface area of the luminaire glass.

These are solid, reliable lighting tools that will continue to do their job over long operating periods.

Perfect proportions and impressive glass elements make the luminaires elegant and durable design elements in interior architecture.

Depending on the type of lamp and manufacturer, the glass elements of the luminaire can be illuminated in different ways. For a particularly uniform illumination of the opal glass, we recommend the luminaires specified in the table for fluorescent lamps.

All the technical data can be found in the instructions for use for these luminaires.

Pendant luminaires for fluorescent lamps

L

Hand-blown opal glass Canopy made of metal

• White enamel RAL 9010 Stainless steel glass connection

Luminaires with integral electronic ballasts in the canopy.

L = Overall length of luminaire Transparent connecting cable

| | Light sour | rce | Base | Lumen | Α | В | L |
|------|------------|------|--------|-------|-----|-----|------|
| 5542 | 1 TC-L | 36 W | 2 G 11 | 2900 | 152 | 650 | 2000 |
| 5543 | 1 TC-L | 55 W | 2 G 11 | 4800 | 164 | 750 | 3000 |
| 5544 | 1 TC-L | 80 W | 2 G 11 | 6500 | 170 | 800 | 3000 |



Pendant luminaires · Downlights for fluorescent, energy-saving halogen and discharge lamps

Luminous flux 980 - 6700 lumen

100. 140. . 200. . . 250.

Pendant luminaires in four sizes with numerous different light outputs. They are available in two different types of glass with different lighting characteristics.

The luminaires with opal glass diffuse the light of the lamp in the room in a free radiating and uniform way, without a reflector

The luminaires with crystal glass impressively demonstrate their function in a successful interplay of high-gloss reflectors and clear, brilliant glass.

The majority of the light is directed vertically downwards by the reflector system, and effectively illuminates the surface below. The smaller part of the light exits above the reflector and provides pleasant surrounding brightness in the room. Two groups of luminaires that are impressive for their light effect, their technology and high degree of visual comfort. All technical data are given in the istructions for use for these luminaires.



Crystal glass with reflector



Opal glass



Pendant luminaires · Downlights for fluorescent, halogen and discharge lamps

Hand-blown opal glass or crystal glass

Luminaires with crystal glass are equipped with a reflector made of high-gloss anodised pure aluminium.

Luminaire housing and canopy optionally made of metal

- White enamel RAL 9010 · White connecting cable
- Stainless steel · Black connecting cable

Luminaires for fluorescent lamps and discharge lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot 32\, W$ lamps.

4997 · 5204 with low-loss ballast

L = Overall length of luminaire

Only use Osram 64406 lamps for luminaire 5262!

| Downli | ght with o | opal glass | | | | | | |
|--------|------------|--------------|-------|-----------|-------|-----|-----|------|
| White | S/steel | Light source |) | Base | Lumen | Α | В | L |
| 4997 | 5204 | 1 TC-D | 18 W | G24d-2 | 1200 | 140 | 330 | 2000 |
| 4998 | 5205 | 1 TC-TELI | 42 W | GX24q-3/4 | 3200 | 200 | 470 | 3000 |
| 4999 | 5206 | 1 TC-TELI | 57 W | GX24q-5 | 4300 | 250 | 610 | 4000 |
| 4993 | 5200 | 1 QT 32 | 70 W | E 27 | 1180 | 100 | 230 | 2000 |
| 4994 | 5201 | 1 QT 32 | 70 W | E 27 | 1180 | 140 | 330 | 2000 |
| 4995 | 5202 | 1 QT 32 | 150 W | E 27 | 2870 | 200 | 470 | 3000 |
| 4996 | 5203 | 1 QT 32 | 205 W | E 27 | 4200 | 250 | 610 | 4000 |
| 5294 | 5295 | 1 HIE-CE | 70 W | E 27 | 6700 | 250 | 610 | 4000 |

| Down | light with cr | ystal gla | ss+reflector | | | | |
|------------------------------|--|--------------------------------|-------------------------------|-----------------------------|--------------------------|------------|------------------------------|
| S/steel | Light source | 9 | Base | Lumen | Α | В | L |
| 5267 5268 | 1 TC-TELI 1 TC-TELI | 2000 2000 | GX24q-3 GX24q-3/4 | 1800 3200 | 200 250 | 2001 22020 | 3000 4000 |
| 5262 5263 5264 5265 | 1 QT 18 1 QT 32 1 QT 32 1 QT 32 | 60 W 70 W 150 W 205 W | B 15d E 27 E 27 E 27 | 980 1180 2870 4200 | 100 140 200 250 | 330 | 2000 2000 3000 4000 |
| 5269 | 1 HIE-CE | 70 W | E 27 | 6700 | 250 | 610 | 4000 |







Pendant luminaires · Downlights for energy-saving halogen and discharge lamps

Luminous flux 980 - 6900 lumen

Pendant luminaires in four sizes for energy-saving halogen and discharge lamps.

Efficient luminaires with solid crystal glass and anodised reflectors made of purest aluminium. The glare of the light, most of which is directed downwards, is optimally suppressed by partial frosting on the inside of the crystal glass. The different dimensions and light output of the luminaires make it possible to find solutions for many lighting tasks. All technical data are given in the istructions for use for these luminaires.



| \bigcirc | | | |
|------------|-------|---------|-------|
| .125 . | -150- | . 170 . | . 200 |

Pendant luminaires · Downlights for halogen and discharge lamps

Crystal glass, partially frosted, with thread Reflector made of high-gloss anodised pure aluminium Luminaire housing and canopy made of aluminium Surface finish options

- Brilliant white enamel, similar to RAL 9003 White connecting cable
- Polished aluminium · Black connecting cable

Luminaires for discharge lamps with integral electronic ballasts.

L = Overall length of luminaire



| Brilliant white | Polished aluminiu | l m Light source | | Base | Lumen | Α | В | L |
|----------------------|----------------------|---|----------------------|--------------------------|--------------|-------------------|-----|----------------------|
| 5510 5511 | 4791 4793 | 1 QT 14 1 QT 32 | 60 W 150 W | G 9 E 27 | 980 2870 | 111777 | 200 | 2000 3000 |
| 5512 5513 5514 | 5426 5427 4945 | 1 HIT-TC-CE 1 HIT-TC-CE 1 HIT-TC-CE | 20 W 35 W 70 W | GU 6.5 G 8.5 G 8.5 | 3500 6900 | 150 170 200 | | 2000 3000 4000 |



Unshielded pendant luminaires with rod suspension with LED, for fluorescent, energy-saving halogen or discharge lamps

Luminous flux 400 - 6700 lumen





Pendant luminaires with rod suspension. In four sizes with symmetrical wide beam light distribution.

Luminaires with integral LED, for fluorescent, energy-saving halogen or discharge lamps.

New in this product range is the equipment with LED. Unlike conventional lamps, LED emit the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive. The luminaires belong to a new group of pendant, recessed ceiling, ceiling and wall luminaires that are impressive because of their high material quality and technical elegance.

Luminaire glass in the form of precisely calculated parabolic reflectors made of hand-blown, three-ply opal glass. The white inner surface of the glass reflects the light like metal reflectors. Part of the light penetrates the satin matt opal glass body and provides smooth and uniform distribution of the unshielded light. Luminaires that are impressive due to their light effect, their technology and the high degree of visual comfort. All technical data are given in the instructions for use for these luminaires.



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Pendant luminaires with rod suspension

with LED, for fluorescent, halogen or discharge lamps

Hand-blown opal glass, satin matt, with thread Luminaire housing, rod suspension and canopy optionally made of

- Enamelled metal, white aluminium RAL 9006
- Polished stainless steel

Luminaires for fluorescent and discharge lamps with integral electronic ballasts.



A special construction allows the rod suspension to be easily shortened to the required length.

L = Overall length of the luminaire

We can also supply customised versions of these luminaires with a longer overall length.

LED luminaires with integral power supply unit. Colour temperature 3000 K. Also available with 4000 K on request.

 $3000\,\mathrm{K}\cdot\mathrm{Article}$ number $4000\,\mathrm{K}\cdot\mathrm{Article}$ number + **K4**

| | | White aluminium | Polished S/steel | Light source | | Base | Lumen | Rod suspens. | А | В | L |
|-----|-----|------------------------------|------------------------------|--|---------------------------------|------------------------------|-----------------------------|--------------------------|------------|------------|------------------------------|
| | L | 4927 4928 | 5476 5477 | LED LED | 6.5 W 13.0 W | _ | 400 945 | Ø 8 Ø10 | 100 | | 1675 1750 |
| | | 5286 5287 | 5482 5483 | 1 TC-TELI 1 TC-TELI | 32 W 57 W | GX 24 q-3 GX 24 q-5 | | Ø10 Ø10 | | | 1750 1830 |
| Γ | | 5282 5283 5284 5421 | 5478 5479 5480 5481 | 1 QT 26 1 QT 32 1 QT 32 1 QT 32 | 60 W 100 W 150 W 205 W | E 14 E 27 E 27 E 27 | 820 1800 2870 4200 | Ø 8 Ø10 Ø10 Ø13 | | 315 395 | 1675 1750 1830 1900 |
| } | В | 5423 4807 | 5485 5486 | 1 H E-CE 1 HST-CRI | 70 W 50 W | E 27 GX 12-1 | 6700 2400 | Ø13 Ø10 | 260 220 | 0. 2000 | 1900 1830 |
| . , | · · | 4808 | 5487 | 1 HST-CRI | 100 W | GX 12-1 | 4900 | Ø13 | 260 | 460 | 1900 |





Pendant luminaires · Downlights for fluorescent, energy-saving halogen and discharge lamps

Luminous flux 1800 - 9600 lumen



Series of downlights with dual lighting technology. High-quality luminaires in three sizes with different light output. A unit consisting of a reflector and a louvre distributes the light from the light source in a main downlight, which creates a high degree of illuminance below the luminaire, and a smaller unshielded light, producing pleasant surrounding brightness in the room. The light resulting from the interaction of these two types of light distribution is extremely efficient, with a high degree of visual comfort.

The character of these luminaires is defined by frosted crystal glass elements with a precise light-diffusing structure and considerable wall thickness. Efficient lighting technology and our glass-making craftsmanship have resulted in distinctive lighting tools for good planning and project work.

The luminaires for fluorescent and discharge lamps are equipped with electronic ballasts.

Suitable recessed ceiling luminaires can be found on page 40, and suitable surface-mounted ceiling luminaires on page 60.

All technical data are given in the instructions for use for these luminaires.



Pendant luminaires · Downlights for fluorescent, halogen and discharge lamps

Crystal glass with a light-diffusing texture, satin matt, with thread Reflector made of pure high-gloss anodised aluminium Luminaire housing and canopy made of metal

• White aluminium enamel RAL 9006

Luminaires for fluorescent and discharge lamps with integral electronic ballasts.

L = Overall length of the luminaire Black connecting cable



| | Light source | Base | Lumen | А | B L |
|----------------------|--|-------------------------------|-------|-----|----------------------------------|
| 5257 5258 5259 | 1 TC-TELI 26 W 1 TC-TELI 42 W 3 TC-TELI 42 W | GX24q-3 GX24q-4 GX24q-4 | 3200 | 240 | 330 2000 405 3000 535 4000 |
| 5401 | 1 QT 32 100 W | E 27 | 1800 | 240 | 330 2000 |
| 5402 | 1 QT 32 150 W | E 27 | 2870 | | 405 3000 |
| 5403 | 1 QT 32 205 W | E 27 | 4200 | | 535 4000 |
| 5260 | 1 HIE-CE 70 W | E 27 | 6700 | 240 | 405 3000 |
| 5261 | 1 HIE-CE 100 W | E 27 | 8500 | 315 | 535 4000 |





»DUATA« Pendant luminaires · Downlights for fluorescent, energy-saving halogen and discharge lamps

Luminous flux 1200 - 13700 lumen



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Pendant luminaires in four sizes with numerous different light outputs. Optionally with opal glass or crystal glass. The luminaires of both glass qualities are equipped with a reflector system. Part of the light is directed, and the other part is unshielded. In order to generate a high level of horizontal illuminance, the majority of the light is directed downwards by the reflector.

The smaller part of the light penetrates the hand-blown glass and generates vertical illuminance.

The impressive crystal glass luminaires produce brilliant light in the room. The opal glass luminaires provide a pleasant, soft and uniform light distribution which is ideal for bright reflection surfaces.

All technical data are given in the instructions for use for these luminaires.



Pendant luminaires · Downlights for fluorescent, halogen and discharge lamps

Luminaires with hand-blown opal glass Reflector made of pure anodised aluminium

Luminaire housing made of die cast aluminium and metal canopy

• Light grey enamel RAL 7035

Luminaires with hand-blown crystal glass Reflector made of pure high-gloss anodised aluminium Luminaire housing made of die cast aluminium and metal canopy

• White aluminium enamel RAL 9006

L = Overall length of the luminaire Black connecting cable

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for discharge lamps with low-loss ballasts.



| Opal | glass · direct+ | diffuse | | | | | |
|--------------|-----------------|----------|--------------|---------------|------------|------------|--------------|
| p | Light source | | Base | Lumen | A | В | L |
| 4958 | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 170 | 280 | 4000 |
| 4844 | 1 TC-TELI | 32 W | GX24q-3 | 3 2400 | 230 | 410 | 4000 |
| 4845 | 1 TC-TELI | 42 W | GX24q-4 | 3200 | 285 | 500 | 4000 |
| 4959 | 3 TC-TELI | 42 W | GX24q-4 | 9600 | 360 | 590 | 4000 |
| 4957 | 1 QT 32 | 100 W | E 27 | 1800 | 170 | 280 | 4000 |
| 4843 | 1 QT 32 | 150 W | E 27 | 2870 | 230 | 410 | 4000 |
| 4809 | 1 QT 32 | 205 W | E 27 | 4200 | 285 | 500 | 4000 |
| 4811 4814 | 1 HIE-CE 7 | 0/100 W | E 27 F 27 | 8500 13700 | 285 360 | 500 590 | 4000 4000 |
| 4014 | I HIE-CE IU | U/ 15U W | E 27 | 13/00 | 360 | 290 | 4000 |

| Cryst | al glass · direc | t + indirect | | | | | |
|-------|------------------|--------------|---------|--------|-----|-----|------|
| | Light source | | Base | Lumen | А | В | L |
| 4961 | 1 TC-TELI | 18 W | GX24q-2 | 1200 | 170 | 280 | 4000 |
| 4862 | 1 TC-TELI | 32 W | GX24q-3 | 3 2400 | 230 | 410 | 4000 |
| 4863 | 1 TC-TELI | 42 W | GX24q-4 | 3200 | 285 | 500 | 4000 |
| 4963 | 3 TC-TELI | 42 W | GX24q-4 | 9600 | 360 | 590 | 4000 |
| 4960 | 1 QT 32 | 100 W | E 27 | 1800 | 170 | 280 | 4000 |
| 4866 | 1 QT 32 | 150 W | E 27 | 2870 | 230 | 410 | 4000 |
| 4867 | 1 QT 32 | 205 W | E 27 | 4200 | 285 | 500 | 4000 |
| 4897 | 1 HIE-CE 7 | 0/100 W | E 27 | 8500 | 285 | 500 | 4000 |
| 4962 | 1 HIE-CE 10 | 0/150 W | E 27 | 13700 | 360 | 590 | 4000 |





Spheres
Unshielded pendant luminaires
with high light output for fluorescent lamps
and lamps for screw base E 27

Luminous flux 710 - 6400 lumen



Interpretation of a classic. It often appears impossible to improve on something that has been around for a long time. However, we have re-interpreted the classic pendant luminaire: contemporary, simple and equipped with the latest lamp technology, this new series is the continuation of a long tradition.

Luminaires with hand-blown three-ply opal glass elements.

Highly-translucent but opaque glass that distributes the light extremely uniformly. This effect is particularly enhanced by the large surface of the glass. Solid, reliable light tools that will perform their task over a long period of time. Rod suspension luminaires with the same technical characteristics can be found on page 248, and suitable ceiling luminaires on page 120. Luminaires for fluorescent lamps and lamps for screw base E 27. There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For extremely uniform illumination we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitable of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.



Pendant luminaires

for fluorescent lamps and lamps for screw base E 27

Hand-blown opal glass, satin matt

Metal parts and metal canopy

Surface finish options

- White enamel RAL 9010 · White connecting cable
- Stainless steel · Black connecting cable
- Chrome · Black connecting cable
- Brass · White connecting cable

Hand-blown antique crystal glass

Metal parts and metal canopy

Chrome · Black connecting cable

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.

L = Overall length of the luminaire

If the article number is followed by a \mathbf{P} , we will supply luminaires made of opal glass with a diameter of $\geq 250\,\mathrm{mm}$, also made of impact-resistant synthetic material.



| Opal | glass | | | | | | | | |
|-------|---------|--------|-------|------------|---------|---------|----------|-----|------|
| White | S/steel | Chrome | Brass | Light soun | ce | Base | Lumen | Α | L |
| 5210 | 5307 | 5214 | 5218 | 1 TC-TEI | _I 32 W | GX24q-3 | 3 2400 | 300 | 2000 |
| 5211 | 5308 | 5215 | 5219 | 1 TC-TEI | _I 42 W | GX24q-3 | 3/4 3200 | 350 | 2000 |
| 5212 | 5309 | 5216 | 5220 | 1 TC-TEI | _I 57 W | GX24q-5 | 4300 | 400 | 2050 |
| 5213 | 5310 | 5217 | 5221 | 2 TC-TEI | _I 42 W | GX24q-3 | 3/4 6400 | 450 | 2200 |
| 4485 | 5301 | 4116 | 4425 | 1 lamp | 60 W | E 27 | 710 | 200 | 1950 |
| 4486 | 5302 | 4117 | 4371 | 1 lamp | 100 W | E 27 | 1340 | 250 | 2000 |
| 4487 | 5303 | 4118 | 4372 | 1 lamp | 150 W | E 27 | 2160 | 300 | 2000 |
| 4488 | 5304 | 4119 | 4373 | 1 lamp | 200 W | E 27 | 3040 | 350 | 2000 |
| 4489 | 5305 | 4341 | 4753 | 1 lamp | 200 W | E 27 | 3040 | 400 | 2050 |
| 4490 | 5306 | 4120 | 4754 | 1 lamp | 200 W | E 27 | 3040 | 450 | 2200 |



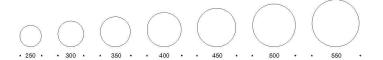
| Chrome | Light source | | Base | Lumen | Α | L |
|--------|--------------|-------|------|-------|-----|------|
| 4100 | 1 lamp | 60 W | E 27 | 710 | 200 | 1950 |
| 4101 | 1 lamp | 75 W | E 27 | 935 | 250 | 2000 |
| 4102 | 1 lamp | 100 W | E 27 | 1340 | 300 | 2000 |
| 4103 | 1 lamp | 150 W | E 27 | 2160 | 350 | 2000 |
| 4156 | 1 lamp | 150 W | E 27 | 2160 | 400 | 2050 |
| 4270 | 1 lamp | 200 W | E 27 | 3040 | 450 | 2200 |
| 4410 | 4 lamps | 60 W | E 27 | 2840 | 450 | 2200 |
| | | | | | | |





Spheres with rod suspension Unshielded pendant luminaires with high light output for fluorescent lamps and lamps for screw base E 27

Luminous flux 1340 - 12900 lumen



Pendant luminaires with rod suspension in the classic spherical shape – with the same technical characteristics as the luminaires with cable pendant on page 246. Suitable ceiling luminaires can be found on page 120. These luminaires are supplied with traditional rod suspension with a diameter of 13 mm.

The large luminaires with a sphere diameter of 500 mm and 550 mm have rod suspension with a diameter of 16 mm. The 16 mm rod suspension consists of three individual 600 mm sections which are screwed together. A special construction allows the rod suspensions to be easily shortened to the required length. We can also supply customised versions of the luminaires on this double page with a longer overall length.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For highly uniform illumination we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.



Pendant luminaires with rod suspension

for fluorescent lamps and lamps for screw base E 27

Hand-blown opal glass, satin matt

Luminaire housing, rod suspension and canopy made of metal Surface finish options

- White enamel RAL 9010
- Stainless steel
- Chrome
- Brass

Luminaires for fluorescent lamps with integral electronic ballasts.

Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps, luminaires for 3×42 W fluorescent lamps can also be operated with 32 W lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.



A special construction allows the rod suspension to be easily shortened to the required length.

L = Overall length of the luminaire

If the article number is followed by a P, we will supply luminaires with a diameter of ≥ 250 mm, also made of impact-resistant synthetic material.



| White | S/steel | Chrome | Brass | Light sourc | е | Base | Lumen | Rod suspens. | А | L |
|--|--|--|--|--|---|--|--------------------------------------|--|-------------------|--|
| 5222 5223 5224 5225 5226 5400 | 4971 4972 4973 4974 4975 5397 | 5232 5233 5234 5235 5236 5398 | 5227 5228 5229 5230 5231 5399 | 1 TC-TEL 1 TC-TEL 1 TC-TEL 2 TC-TEL 3 TC-TEL 3 TC-TEL | .I 42 W .I 57 W .I 42 W .I 42 W | GX24q-3/4 GX24q-3/4 GX24q-5 GX24q-3/4 GX24q-3/4 GX24q-5 | 4300 6400 | Ø13 Ø13 Ø13 Ø13 Ø16 Ø16 | 500 | 1850 1900 1950 2000 2600 2650 |
| 4950 4726 4727 4728 4729 | 4966 4967 4968 4969 4970 | 4948 4710 4711 4712 4713 | 4949 4718 4719 4720 4721 | 1 lamp 1 lamp 1 lamp 1 lamp 1 lamp | 100 W 150 W 200 W 200 W 200 W | E 27 E 27 E 27 E 27 E 27 | 1340 2160 3040 3040 3040 | Ø13 Ø13 Ø13 Ø13 Ø13 | 300 350 400 | 1800 1850 1900 1950 2000 |





Powerful luminaires with rod suspension for fluorescent lamps

Luminous flux 9600 · 26 000 lumen

A new series of powerful pendant and ceiling luminaires. A sophisticated combination of high-quality trilaminate opal glass, metal and modern lighting technology – this is how we are continuing the tradition of our cylinder luminaires. The hand-blown opal glass is enhanced and retained by precision support rings made of polished aluminium. The structural design of these luminaires is impressive from installation to maintenance.

Modern, classic and valuable at the same time, they blend into many types of good architecture. The dimmability of the luminaires makes them particularly suitable as perfect and economical lighting for rooms with multiple uses.

Suitable ceiling luminaires can be found on page 64.

All technical data are given in the instructions for use for these luminaires.



| | Pendant luminaires with rod suspension for fluorescent lamps Hand-blown opal glass Metal parts, rod suspension and canopy • Polished aluminium Dimmable 1-10 V. |
|-------|---|
| | Luminaires with integral electronic ballasts. Luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps. L = Overall length of the luminaire |
| · A · | Rod Light source Base Lumen suspens. A B L |
| | 4600 4 TC-TELI 32 W GX24q-3 9600 Ø 13 305 245 1850 4900 4 TC-L 80 W 2 G 11 26 000 Ø 16 305 750 3170 |



Pendant luminaires · Downlights with LED, for energy-saving halogen or discharge lamps

Luminous flux 860 - 3500 lumen

Pendant luminaires in three sizes with integral LED, for energy-saving halogen or discharge lamps. Efficient luminaires with solid-walled crystal glass and anodised reflectors made of purest aluminium. The glare of the light, most of which is directed downwards, is optimally suppressed by partial frosting on the inside of the crystal glass. New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive.

The different dimensions and light output of the luminaires make it possible to find solutions for many lighting tasks. All technical data are given in the instructions for use for these luminaires.









Pendant luminaires · Downlights with LED, for halogen or discharge lamps

Crystal glass, partially frosted, with thread Reflector made of pure high-gloss anodised aluminium Luminaire housing and canopy made of metal Surface finish options

- Brilliant white enamel, similar to RAL 9003 White connecting cable
- Polished aluminium · Black connecting cable

Luminaires for halogen lamps with integral transformer. Luminaires for discharge lamps with integral electronic ballasts.

L = Overall length of the luminaire

LED luminaires with integral power supply unit, dimmable 1-10 V. Colour temperature 3000 K. Also available with 4000 K on request.

 $3000\,\text{K}\cdot\text{Article}$ number

4000 K · Article number + K4



| Brilliant white | Polishec aluminiu | l m Light source | | Base | Lumen | А | В | Ĺ |
|-----------------|----------------------|---------------------|--------|---------------|-------|-----|-----|------|
| 5443 | 5429 | LED | 13,3 W | _ | 1035 | 60 | 400 | 2000 |
| 5444 | 5430 | LED | 19,6 W | \rightarrow | 1550 | 80 | 475 | 2000 |
| 5445 | 5431 | LED | 30,0 W | _ | 2300 | 105 | 550 | 3000 |
| 5446 | 5433 | 1 QT 12-ax | 35 W | GY 6.35 | 860 | 60 | 400 | 2000 |
| 5447 | 5434 | 1 QT 12-ax | 50 W | GY 6.35 | 1180 | 80 | 475 | 2000 |
| 5448 | 5435 | 1 QT 12-ax | 60 W | GY 6.35 | 1650 | 105 | 550 | 3000 |
| 5449 | 5437 | 1 HIT-TC-CE | 20 W | GU 6.5 | 1700 | 80 | 475 | 2000 |
| 5450 | 5438 | 1 HIT-TC-CE | 35 W | G 6.5 | 3500 | 105 | 550 | 3000 |



Pendant luminaires with rod suspension · Downlights with LED, for energy-saving halogen or discharge lamps

Luminous flux 400 - 3500 lumen

•80• •105• •120• •140



Pendant luminaires with rod suspension in four sizes with LED, for energy-saving halogen or discharge lamps.

Efficient luminaires with solid-walled crystal glass and anodised reflectors made of purest aluminium. The glare of the light, most of which is directed downwards, is optimally suppressed by partial frosting on the inside of the crystal glass. New in this product range is the equipment with LED. Unlike conventional lamps, LED emits the majority of the light in the right direction like a mini floodlight. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The service life and the choice of colour temperature are also impressive.

The different dimensions and light output of the luminaires make it possible to find solutions for many lighting tasks. All technical data are given in the instructions for use for these luminaires.



Page 48 Page 15

Pendant luminaires \cdot Downlights with rod suspension with LED, for halogen or discharge lamps

Crystal glass, partially frosted, with thread Reflector made of pure high-gloss anodised aluminium Luminaire housing, rod suspension and canopy made of metal Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Polished aluminium

Luminaires for discharge lamps with integral electronic ballasts.



A special construction allows the rod suspension to be easily shortened to the required length.

L = Overall length of the luminaire

LED luminaires with integral power supply unit.

Colour temperature 3000 K. Also available with 4000 K on request.

 $3000\,\mathrm{K}\cdot\mathrm{Article}$ number

4000 K · Article number + K4



| Brilliant white | Polished aluminiu | m Light source | | Base | Lumen | Rod suspens. | A | В | L |
|--------------------|----------------------|----------------|--------|--------|-------|-----------------|-----|-----|------|
| 5451 | 5410 | LED | 6.5 W | _ | 400 | Ø 8 | 80 | 190 | 1630 |
| 5452 | 5411 | LED | 13.0 W | | 945 | Ø10 | 105 | 250 | 1690 |
| 5453 | 4385 | 1 QT 14 | 33 W | G 9 | 460 | Ø 8 | 80 | 190 | 1630 |
| 5454 | 4386 | 1 QT 14 | 60 W | G 9 | 980 | Ø10 | 105 | 250 | 1690 |
| 5456 | 4388 | 1 HIT-TC-C | | GU 6.5 | 1700 | Ø 10 | 120 | 280 | 1720 |
| 5457 | 4572 | 1 HIT-TC-C | | G 8.5 | 3500 | Ø 13 | 140 | 330 | 1720 |







Unshielded pendant luminaires for fluorescent, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 490 - 3200 lumen

| 0 | 0 | | | |
|------|------|-------|--------|---------|
| •60• | •80• | •110• | •140 • | • 160 • |

Unshielded luminaires in five sizes for fluorescent, energy-saving halogen lamps and lamps for screw base E 27.

Luminaires with clear crystal glass. The partially frosted section provides pleasant dispersal of the luminance without impairing the aesthetics of the clear glass.

These cylindrical pendant luminaires are distinguished by their perfect proportions, their visible technical structure, their extraordinary brilliance and their high degree of visual comfort. Reliable light tools and high-quality elements of interior design.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For extremely uniform illumination we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





Page 52 Page 164

Pendant luminaires

for fluorescent, halogen lamps and lamps for screw base $\mathsf{E}\ 27$

Crystal glass, partially frosted

Metal parts and canopy made of stainless steel

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,W$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with 26 W lamps.

L = Overall length of the luminaire Black connecting cable



| | Light sourc | e | Base | Lumen | Α | В | L |
|------|-------------|--------|-------------|-------|-----|-----|------|
| 5276 | 1 TC-TEL | I 26 W | GX 24 q-3 | 1800 | 110 | 350 | 3000 |
| 5277 | 1 TC-TEL | 1 32 W | GX24 q-3 | 2400 | 140 | 440 | 4000 |
| 5278 | 1 TC-TEL | I 42 W | GX 24 q-3/4 | 3200 | 160 | 510 | 4000 |
| 5391 | 1 QT 26 | 40 W | E14 | 490 | 60 | 200 | 1500 |
| 5272 | 1 lamp | 75 W | E 27 | 935 | 80 | 250 | 2000 |
| 5273 | 1 lamp | 100 W | E 27 | 1340 | 110 | 350 | 3000 |
| 5274 | 1 lamp | 150 W | E 27 | 2160 | 140 | 440 | 4000 |
| 5275 | 1 lamp | 200 W | E 27 | 3040 | 160 | 510 | 4000 |





Pendant luminaires · Downlights for fluorescent and energy-saving halogen lamps

Luminous flux 2400 - 4200 lumen

Pendant luminaires in two sizes with different light output for fluorescent and energy-saving halogen lamps.

In order to generate a high level of horizontal illuminance, the majority of the light is directed downwards by the reflector. The smaller unshielded part of the light provides the vertical illuminance.

This dual light-distribution provides luminous efficiency and a high degree of visual comfort.

When the lights are switched on, the clear crystal glass produces a brilliant lighting effect – with light that is technically sophisticated and festive at the same time.

All technical data are given in the instructions for use for these luminaires.



.140.

Pendant luminaires · Downlights for fluorescent and halogen lamps

Crystal glass

Reflector made of pure high-gloss anodised aluminium Metal parts and canopy

• Polished aluminium

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32\,\text{W}$ lamps, and luminaires for 32 W fluorescent lamps can also be operated with $26\,\text{W}$ lamps.

L = Overall length of the luminaire Black connecting cable



| | Light source | Base | Lumen | Α | В | L |
|------|----------------|-----------|-------|-----|-----|------|
| 5393 | 1 TC-TELI 32 W | GX24q-3 | 2400 | 140 | 290 | 4000 |
| 5394 | 1 TC-TELI 42 W | GX24q-3/4 | 3200 | 180 | 370 | 4000 |
| 4936 | 1 QT 32 150 W | E 27 | 2870 | 140 | 290 | 4000 |
| 4964 | 1 QT 32 205 W | E 27 | 4200 | 180 | 370 | 4000 |





Unshielded pendant luminaires for fluorescent or energy-saving halogen lamps

Luminous flux 490 - 2900 lumen

·50· ·80· ·120

Luminaires with hand-blown three-ply opal glass elements. These luminaires are characterised by the formal glass/metal unit and the material quality of the luminaire housing with its exquisite surface finishes. They provide pleasant illumination when they are installed in rows or groups.

Several luminaires can be combined in a group for illuminating stairways or rooms with high ceilings. In these cases we supply the individual luminaires with the required cable length and a distributor for two to six luminaires.

Other matching accessories such as distributors and crossarms can be found on pages 326 - 327.

All technical data are given in the instructions for use for these luminaires.



Pendant luminaires

for fluorescent or halogen lamps

Hand-blown opal glass with thread Metal parts and canopy made of metal Surface finish options

- White enamel RAL 9010 · White connecting cable
- Stainless steel · Black connecting cable
- Brass · Black connecting cable

Luminaires for fluorescent lamps with integral electronic ballasts.

L = Overall length of the luminaire



| White | Finish S/steel | Brass | Light source | Base | Lumen | A | В | L |
|-------|-------------------|-------|---------------|----------|--------|-----|-----|------|
| 5495 | 5491 | 5493 | 1 TC-DEL 26 \ | N G24q-3 | 3 1800 | 80 | 405 | 2000 |
| 5496 | 5492 | 5494 | 1 TC-L 36 \ | N 2 G 11 | 2900 | 120 | 620 | 3000 |
| 5390 | 5388 | 5389 | 1 QT 26 40 V | N E14 | 490 | 50 | 240 | 2000 |
| 4682 | 5315 | 4683 | 1 QT 32 70 \ | N E 27 | 1180 | 80 | 405 | 2000 |



Unshielded pendant luminaires for fluorescent lamps

Luminous flux 3500 · 4800 lumen

Elongated luminaires with slimline glass cylinders in two lengths for fluorescent lamps. Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers. Highly-translucent but opaque glass that distributes the light extremely uniformly.

They produce strikingly linear light structure when installed in rows.

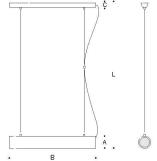
All technical data are given in the instructions for use for these luminaires.



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Page 188





Pendant luminaires for fluorescent lamps

Hand-blown opal glass
Metal parts and canopy made of metal
• White enamel RAL 9010

Stainless steel glass connection

Luminaires with integral electronic ballasts.

L = Overall length of the luminaire 2 steel wires · Transparent connecting cable

| | Light source | Base | Lumen | Α | В | С | L |
|------|--------------|--------|-------|-----|-----|------|------|
| 5311 | 1 TC-L 40 W | 2 G 11 | 3500 | 100 | 620 | 35 2 | 2000 |
| 5312 | 1 TC-L 55 W | 2 G 11 | 4800 | 110 | 700 | 35 2 | 2000 |



Unshielded pendant luminaires with high light output for fluorescent lamps

Luminous flux 2900 - 6500 lumen

Powerful, unshielded luminaires in three sizes for fluorescent lamps. Luminaires with cylinders made of hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers.

This produces a highly-translucent but opaque glass that distributes the light extremely uniformly. This effect is particularly enhanced by the large surface of the luminaire glass.

Solid, reliable light tools that will perform their task over a long period of time. Perfectly proportioned and impressive glass elements make the luminaires long-lasting aesthetic interior architecture design elements. All technical data are given in the instructions for use for these luminaires.





Pendant luminaires for fluorescent lamps Hand-blown opal glass

Canopy made of metal

• White enamel RAL 9010 Stainless steel glass connection

Luminaires with integral electronic ballasts in the canopy.

L = Overall length of luminaire Transparent connecting cable

| | Light source | Base | Lumen | А | В | L |
|------|--------------|--------|-------|----|-----|------|
| 5266 | 1 TC-L 36 W | 2 G 11 | 2900 | 80 | 550 | 2000 |
| 5270 | 1 TC-L 55 W | 2 G 11 | 4800 | 80 | 670 | 3000 |
| 5285 | 1 TC-L 80 W | 2 G 11 | 6500 | 80 | 720 | 3000 |



Unshielded pendant luminaires with high light output for fluorescent lamps and lamps for screw base E 27

Luminous flux 935-19500 lumen

Powerful, unshielded luminaires in six sizes for fluorescent lamps and lamps for screw base E 27.

Luminaires with cylinders made of hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers. This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly. This effect is particularly enhanced by the large surface of the luminaire glass.

Solid, reliable light tools that will perform their task over a long period of time. Perfectly proportioned and impressive glass elements make the luminaires long-lasting aesthetic interior architecture design elements.

There are many different lamps for the E 27 screw base nowadays, such as LED energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL and TC-L fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.







Unshielded pendant luminaires with high light output for fluorescent lamps and lamps for screw base E 27

Luminous flux 1340 - 8700 lumen

Powerful, unshielded pendant luminaires in the classic cylindrical shape in four sizes with different light output.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers.

This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly.

This effect is particularly enhanced by the large surface of the glass. Classic pendant luminaires with modern lamp technology for stylish, contemporary design with light.

Luminaires for fluorescent lamps and lamps for the E 27 screw base. Nowadays there are many different lamps for the E 27 screw base such as LED lamps, energy-saving halogen lamps and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI and TC-L fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





White

Chrome



for fluorescent lamps and lamps for screw base E 27

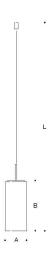
Hand-blown opal glass, satin matt.

Luminaire housing and canopy made of metal. Surface finish options

- White enamel RAL 9010 · White connecting cable
- Chrome · Black connecting cable

Luminaires for fluorescent lamps with integral electronic ballasts. Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot32$ W lamps.

L = Overall length of luminaire



| White | Chrome | Liaht source | 1 | Base | Lumen | Α | В | T. |
|-------|--------|--------------|-------|-----------|-------|-----|--------|-----|
| 5341 | 5373 | 1 TC-TELI | | GX24q-3 | 1800 | | 280 20 | 00 |
| 5342 | 5374 | 1 TC-TELI | | GX24q-3/4 | | | 350 20 | |
| 5343 | 5375 | 1 TC-TELI | 57 W | GX24q-5 | 4300 | 180 | 420 21 | 00 |
| 5344 | 5376 | 3 TC-L | 36 W | 2 G 11 | 8700 | 220 | 550 22 | 00 |
| 4413 | 5369 | 1 lamp | 100 W | E 27 | 1340 | 120 | 280 20 | 00 |
| 4414 | 5370 | 1 lamp | 150 W | E 27 | 2160 | 150 | 350 20 | 50 |
| 4415 | 5371 | 1 lamp | 200 W | E 27 | 3040 | 180 | 420 21 | 00 |
| 4416 | 5372 | 2 lamps | 150 W | E 27 | 4320 | 220 | 550 22 | .00 |





Pendant luminaires with rod suspension and high light output for fluorescent lamps

Luminous flux 26000 lumen

Pendant luminaires with rod suspension. Powerful unshielded luminaires, optionally with cylindrical or rectangular luminaire glasses. Hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers. This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly.

This effect is particularly enhanced by the large surface of the luminaire glass. Solid, reliable light tools that will perform their task over a long period of time. Classic pendant luminaires with modern lamp technology for stylish, contemporary design with light.

All technical data are given in the instructions for use for these luminaires.



Pendant luminaires with rod suspension for fluorescent lamps

Hand-blown opal glass, with

- Cylindrical or
- Rectangular shape

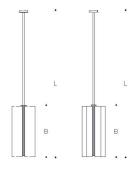
Luminaire housing, rod suspension and metal cover

• Polished aluminium

Luminaires with integral electronic ballasts, dimmable 1-10 V.

Rod suspension with diameter of 16 mm, consisting of 600 mm long individual elements. We can also supply customised versions of these luminaires in longer lengths.

L = Overall length of luminaire







| Cylin | Cylindrical Luminaire glass · Fig. page 270 | | | | | | | | | |
|-------|---|------|--------|--------|-----|-----|------|--|--|--|
| | Light sour | ce | Base | Lumen | A | В | L | | | |
| 4295 | 4 TC-L | 80 W | 2 G 11 | 26 000 | 320 | 600 | 3000 | | | |

| Recta | Rectangular Luminaire glass · Fig. page 271 | | | | | | | | | | |
|-------|---|------|--------|--------|-----|-----|------|--|--|--|--|
| | Light sour | ce | Base | Lumen | Α | В | L | | | | |
| 4775 | 4 TC-L | 80 W | 2 G 11 | 26 000 | 335 | 600 | 3000 | | | | |





Pendant luminaires for lamps for screw base E 27 Luminous flux 1340-11220 lumen

Unshielded pendant luminaires in different sizes for lamps for screw base E 27. The visible technical equipment of the luminaires depends on the number of light sources that are used. The attractiveness and brilliance of the antique crystal glass are accentuated most effectively by the use of transparent general service lamps or energy-saving halogen lamps. Air inclusions with different shapes and sizes make each glass element a unique example of the glassmaker's art. Luminaires for brilliant and exceptionally expressive light. The luminous flux specifications (lumen) for these luminaires relate to the maximum wattage (W) of general service lamps.

All technical data are given in the instructions for use for these luminaires.





for lamps for screw base E 27

Hand-blown antique crystal glass Luminaire housing and canopy made of metal Surface finish options

- Chrome
- Brass

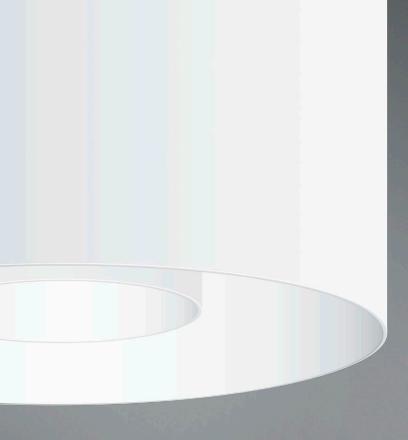
4400 \cdot 4898 with rod suspension Ø 16 mm, consisting of 600 mm long individual elements

L = Overall length of luminaire. Black connecting cable



| Chrome | Brass | Light source | 9 | Base | Lumen | Α | В | L |
|--------|-------|--------------|-------|------|-------|-----|-----|------|
| 1554 | 4541 | 1 lamp | 100 W | E 27 | 1340 | 160 | 305 | 2000 |
| 1555 | 4542 | 1 lamp | 150 W | E 27 | 2160 | 180 | 360 | 2000 |
| 1556 | 4543 | 1 lamp | 200 W | E 27 | 3040 | 220 | 450 | 2000 |
| 4399 | 4885 | 4 lamps | 60 W | E 27 | 2840 | 220 | 450 | 2200 |
| 4803 | 4886 | 8 lamps | 60 W | E 27 | 5680 | 220 | 450 | 2200 |
| 4400 | 4898 | 12 lamps | 75 W | E 27 | 11220 | 300 | 600 | 2400 |





Unshielded pendant luminaires with rod suspension for fluorescent, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 740 - 5360 lumen

Pendant lamps with rod suspension – in the classic cylindrical form in four sizes. Optionally for fluorescent, energy-saving halogen lamps and lamps for screw base E 27. The luminaires for fluorescent lamps have an additional satin matt crystal glass on the inside for restricting the lateral glare.

We also supply internal colour gradient glass for these luminaires in blue, yellow and green.

In addition to the white downlight, this produces a fascinating colour gradient on the outer opal glass cylinder. The hand-blown three-ply opal glass elements diffuse the light extremely smoothly and uniformly. There are many different lamps for the E 27 screw base nowadays, such as LED lamps, energy-saving halogen lamps and fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.





For luminaires 5381 • 5458 • 5459 we supply internal colour gradient glass as an accessory

.140. . . 220 . . . 300 . . . 350

Pendant luminaires with rod suspension

for fluorescent, halogen lamps and lamps for screw base E 27

Hand-blown opal glass, satin matt

The luminaires for fluorescent lamps have a satin matt crystal glass with thread inside.

Housing, rod suspension and canopy made of stainless steel

Luminaires for fluorescent lamps with integral electronic ballasts.



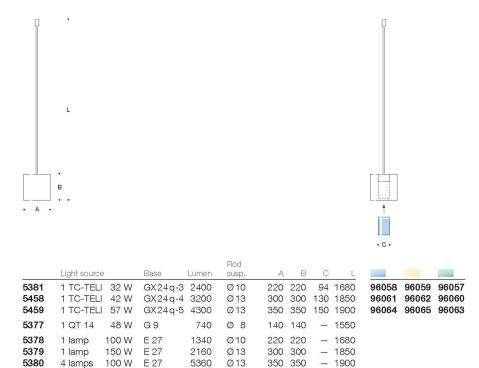
A special mechanism allows the rod suspension to be easily shortened to the required length.

We can also supply customised versions of these luminaires in longer lengths.

Internal colour gradient glass is also available in blue, yellow and green for luminaires with fluorescent lamps.

Colour gradient glass is an accessory and must be ordered separately.

L = Overall length of luminaire







Pendant luminaires with rod suspension for fluorescent or energy-saving halogen lamps

Luminous flux 740 - 1800 lumen

Pendant lamps with rod suspension – in the classic cylindrical form in two sizes. Optionally for fluorescent or energy-saving halogen lamps.

Luminaires with hand-blown three-ply opal glass and an annular metal shield with different exquisite surface finishes.

The annular shield reduces the lateral glare and mainly deflects the light upand downwards. Pendant luminaires with rod suspension with a high-contrast lighting effect and a pleasant light atmosphere.

All technical data are given in the instructions for use for these luminaires.



Pendant luminaires with rod suspension for fluorescent or halogen lamps

Hand-blown opal glass, satin matt Annular shield, rod suspension and metal canopy. Surface finish options

- Stainless steel
- Chrome

Luminaires for fluorescent lamps · Canopy type 1 Luminaires for halogen lamps · Canopy type 2

Luminaires for fluorescent lamps with integral electronic ballasts in the canopy.



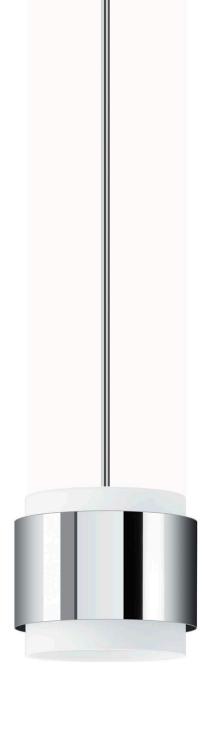
A special mechanism allows the rod suspension to be easily shortened to the required length.

We can also supply customised versions of these luminaires in longer lengths.

L = Overall length of luminaire



| Surface f | inish | | | | | Rod | | | | |
|-----------|--------|--------------|-------|-----------|-------|-------|-----|-----|-----|----------|
| S/steel | Chrome | Light source | 9 | Base | Lumen | susp. | Α | В | С | <u>L</u> |
| 5518 | 5441 | 1 TC-TELI | 26 W | GX 24 q-3 | 1800 | Ø10 | 180 | 200 | 185 | 1650 |
| 5519 | 5439 | 1 QT 14 | 48 W | G 9 | 740 | Ø 8 | 140 | 160 | 140 | 1540 |
| 5520 | 5440 | 1 QT 32 | 100 W | E 27 | 1800 | Ø10 | 180 | 200 | 185 | 1650 |











Unshielded pendant luminaires for fluorescent, energy-saving halogen lamps and lamps for screw base E 27

Luminous flux 740 - 3200 lumen







· 210 ·

265 •

• 330 •

Unshielded luminaires in three sizes, optionally for fluorescent, energy-saving halogen lamps and lamps for screw base E 27.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers, distribute the light extremely uniformly. Pendant lamps for many uses in private and public areas. There are many different lamps for the E 27 screw base nowadays, such as LED lamps, energy-saving halogen lamps and fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.



For luminaires $4573 \cdot 4794$ we supply internal colour gradient glass as an accessory

for fluorescent, halogen lamps and lamps for screw base E 27

Hand-blown opal glass

The luminaires for fluorescent lamps have a satin matt crystal glass with thread inside.

Luminaire housing, glass connections and canopy made of stainless steel

Luminaires for fluorescent lamps with integral electronic ballasts.

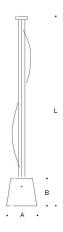
L = Overall length of luminaire

3 steel wires · Transparent connecting cable

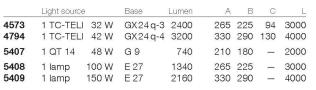
Internal colour gradient glass in blue, yellow and green

is available for luminaires with fluorescent lamps.

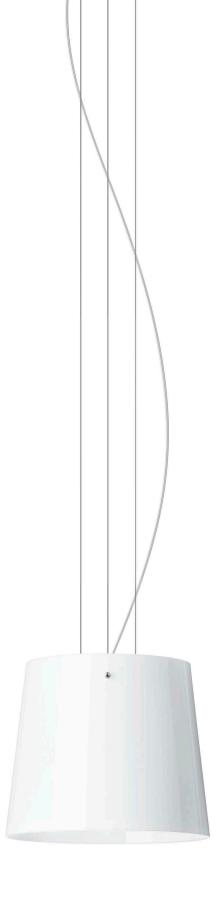
Colour gradient glass is an accessory and must be ordered separately.













Unshielded pendant luminaires for fluorescent lamps and lamps for screw base E 14 \cdot E 27

Luminous flux 660 - 4300 lumen

Unshielded luminaires in three sizes for fluorescent lamps and lamps for screw base E14 \cdot E 27.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers. This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly.

Solid, reliable light tools that will perform their task over a long period of time. Perfectly proportioned and impressive luminaire glass elements make the luminaires long-lasting aesthetic interior architecture design elements.

There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED lamps, energy-saving halogen lamps and fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base $E14 \cdot E27$ and all technical data are given in the instructions for use for these luminaires.

Matching wall luminaires can be found on page 178.



for fluorescent lamps and lamps for screw base $\mathrm{E}\,14\cdot\mathrm{E}\,27$

Hand-blown opal glass

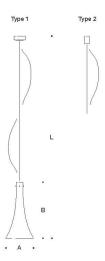
Stainless steel glass connectionsl

Luminaires for fluorescent lamps · Metal canopy type 1, colour white RAL 9010 Luminaires for screw base · Metal canopy type 2, colour white RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts in the canopy. Luminaires for 42 W fluorescent lamps can also be operated with 26 · 32 W lamps.

L = Overall length of luminaire

Steel wire suspension · Transparent connecting cable



| | Light source | Base | Lumen | Α | В | L |
|------|--------------|----------|----------|-----|-----|------|
| 5424 | 1 TC-TELI 42 | W GX24q- | 3/4 3200 | 235 | 440 | 3000 |
| 5425 | 1 TC-TELI 57 | W GX24q- | 5 4300 | 320 | 560 | 4000 |
| 5279 | 1 lamp 60 | W E14 | 660 | 190 | 350 | 2000 |
| 5280 | 1 lamp 100 | W E 27 | 1340 | 235 | 440 | 3000 |
| 5281 | 1 lamp 150 | W E 27 | 2160 | 320 | 560 | 4000 |



Luminous flux 935 - 3200 lumen



Powerful, unshielded luminaires in two sizes for fluorescent lamps and lamps for screw base E 27.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers. This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly. This effect is particularly enhanced by the large surface of the luminaire glass.

Solid, reliable light tools that will do their job over long periods of time. Perfectly proportioned and impressive glass elements make the luminaires long-lasting aesthetic interior architecture design elements.

There are many different lamps for the E 27 screw base nowadays, such as LED lamps, energy-saving halogen lamps and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps for screw base E 27 and all technical data are given in the instructions for use for these luminaires.



Page 180

for fluorescent lamps and lamps for screw base ${\sf E}$ 27

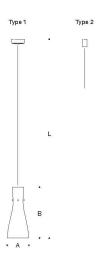
Hand-blown opal glass

Stainless steel glass connections

Luminaires for fluorescent lamps · Metal canopy type 1, colour white RAL 9010 Luminaires for screw base · Metal canopy type 2, colour white RAL 9010

Luminaires for fluorescent lamps with integral electronic ballasts in the canopy. Luminaires for 42 W fluorescent lamps can also be operated with 26.32 W lamps.

L = Overall length of luminaire Transparent connecting cable



| | Light sourc | е | Base | Lumen | Α | В | L |
|------|-------------|--------|-----------|-------|-----|-----|------|
| 5367 | 1 TC-TEL | 1 26 W | GX24q-3 | 1800 | 152 | 320 | 2000 |
| 5368 | 1 TC-TEL | 1 42 W | GX24q-3/4 | 3200 | 170 | 370 | 3000 |
| 5365 | 1 lamp | 75 W | E 27 | 935 | 152 | 320 | 2000 |
| 5366 | 1 lamp | 100 W | E 27 | 1340 | 170 | 370 | 3000 |





The fascination of »Black Glass« · Pendant luminaires for fluorescent lamps and lamps for screw base E 14 · E 27

Luminous flux 400 - 4300 lumen

Extraordinary pedant luminaires in four sizes, optionally in white or black opal glass. Luminaires with a common expression of shape, but with a different light effect. Deflected or free radiating.

The luminaires made of white opal glass emit part of the light downwards, whilst the unshielded part of the light exiting through the glass illuminates the room pleasantly and uniformly.

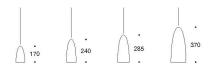
The inside of the black glass luminaires is also made of white opal glass. Brilliant white light from the lamp is illuminated downwards. Daylight makes this precious material impervious to light and jet black in appearance. A fascinating spectrum of colours is produced in the light of the lamps, ranging from jet black to discreet dark blue.

Matching wall luminaires can be found on pages 170-173.

There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED lamps, energy-saving halogen lamps and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-TELI fluorescent lamps that are specified in the table, particularly for luminaires with white opal glass.

For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps for screw base E14 \cdot E 27 and all technical data are given in the instructions for use for these luminaires.



for fluorescent lamps and lamps for screw base $\mathrm{E}\,14\cdot\mathrm{E}\,27$

- Hand-blown white opal glass · White connecting cable Luminaires for fluorescent lamps
- Metal canopy type 1, colour white RAL 9010 Luminaires with screw base
- Metal canopy type 2, colour white RAL 9010
- Hand-blown black opal glass- Black connecting cable Luminaires for fluorescent lamps
- Metal canopy type 1, colour black

Luminaires with screw base

- Metal canopy type 2, colour black

Luminaires for fluorescent lamps with integral electronic ballasts in the canopy.

Luminaires for 42 W fluorescent lamps can also be operated with $26\cdot 32\, W$ lamps.

L = Overall length of luminaire

| Type 1 | Type 2 | | | |
|----------------|--------|----------|------------------------------|--------------------------------------|
| $\overline{-}$ | Y | ٠ | White | opal glas |
| | | | | Light sou |
| | | | 5500 5501 5502 | 1 TC-TI 1 TC-TI 1 TC-TI |
| | | L | 4899 4895 5296 4896 | 1 lamp 1 lamp 1 lamp 1 lamp |
| | | | Black | opal glas |
| | | | | Light sou |
| | - A • | B • • | 5503 5504 5505 | 1 TC-TI 1 TC-TI 1 TC-TI |
| | | | 5251 5252 | 1 lamp 1 lamp |

| White | opal glass | | | | | | |
|-------|--------------|-------|-----------|-------|-----|-----|------|
| | Light source | Э | Base | Lumen | А | В | L |
| 5500 | 1 TC-TEL | 26 W | GX24q-3 | 1800 | 105 | 240 | 2000 |
| 5501 | 1 TC-TEL | 42 W | GX24q-3/4 | 3200 | 125 | 285 | 2000 |
| 5502 | 1 TC-TEL | 57 W | GX24q-5 | 4300 | 160 | 370 | 2000 |
| 4899 | 1 lamp | 40 W | E14 | 400 | 95 | 170 | 2000 |
| 4895 | 1 lamp | 60 W | E 27 | 710 | 105 | 240 | 2000 |
| 5296 | 1 lamp | 100 W | E 27 | 1340 | 125 | 285 | 2000 |
| 4896 | 1 lamp | 150 W | E 27 | 2160 | 160 | 370 | 2000 |

| Black | opal glass | | | | | | |
|-------|--------------|-------|-----------|-------|-----------|-------|------|
| | Light source | | Base | Lumen | A | В | L |
| 5503 | 1 TC-TELI | 26 W | GX24q-3 | 1800 | 105 | 240 | 2000 |
| 5504 | 1 TC-TELI | 42 W | GX24q-3/4 | | 77 100000 | | 2000 |
| 5505 | 1 TC-TELI | 57 W | GX24q-5 | 4300 | 160 | 370 | 2000 |
| 5251 | 1 lamp | 40 W | E14 | 400 | 95 | 170 | 2000 |
| 5252 | 1 lamp | 60 W | E 27 | 710 | | | 2000 |
| 5297 | 1 lamp | 75 W | E 27 | 935 | 200-01-01 | V-100 | 2000 |
| 5253 | 1 lamp | 100 W | E 27 | 1340 | 160 | 370 | 2000 |





Brillant white



Pendant luminaires with LED or for energy-saving halogen lamps

Luminous flux 400 -1550 lumen

We have developed these new pendant luminaires especially for LED and energy saving halogen lamps.

Efficient luminaires with thick-walled crystal glass and anodised reflectors made of purest aluminium. The glare of the light, most of which is directed downwards, is optimally suppressed by partial frosting on the inside of the crystal glass. Unlike conventional lights, LED emit the majority of the light in the right direction like mini-floodlights. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive. Luminaires with identical lighting technology but with rod suspension can be found on page 288. All technical data are given in the instructions for use for these luminaires



.95. .135. .155.

Pendant luminaires · Downlights with LED or for halogen lamps

Crystal glass, partially frosted, with thread Reflector made of pure anodised aluminium Luminaire housing made of die-cast aluminium and metal canopy Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Chrome

L = Overall length of luminaire Transparent connecting cable

LED luminaires with integral power supply unit. $5464 \cdot 5460 \cdot 5465 \cdot 5461$ dimmable 1-10 V.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**

| Brilliant white | Chrome | Light so | urce | Base | Lumen | А | В | L |
|--------------------|--------------|------------------|------------------|------------|------------|------------|------------|--------------|
| 5538 | 5539 | LED | 6.5 W | _ | 400 | 95 | 125 | 1500 |
| 5464 | 5460 | LED | 13.4 W | _ | 960 | 135 | 180 | 2000 |
| 5465 | 5461 | LED | 19.6 W | _ | 1550 | 155 | 220 | 2000 |
| 5466 5467 | 5462 5463 | 1 QT 1 1 QT 1 | 4 48 W 4 60 W | G 9 G 9 | 740 980 | 135 155 | 180 220 | 2000 2000 |





LED pendant luminaires with rod suspension

Luminous flux 960 -1550 lumen

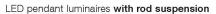
We have developed these pendant luminaires especially for our new LFD.

Efficient luminaires with solid crystal glass and anodised reflectors made of purest aluminium. The glare of the light, most of which is directed downwards, is optimally suppressed by partial frosting on the inside of the crystal glass. Unlike conventional lights, LED emit the majority of the light in the right direction like mini-floodlights. In spite of having the same lumen ratings, the luminous efficiency is significantly higher than with conventional lamps. The dimmability, the service life and the choice of colour temperature are also impressive. Luminaires with identical lighting technology but with cable suspension on page 286.

All technical data are given in the instructions for use for these luminaires.



.135. .155



Crystal glass, partially frosted, with thread Reflector made of pure anodised aluminium Luminaire housing, rod suspension and metal cover Surface finish options

- Brilliant white enamel, similar to RAL 9003
- Chrome

L = Overall length of luminaire

Power supply unit in the canopy, dimmable 1-10 V. Colour temperature 3000 K.
Also available with 4000 K on request.

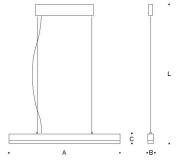
3000 K · Article number

4000 K · Article number + K4









LED pendant luminaires

Crystal glass, partially frosted Luminaire housing and metal canopy Finish

• Stainless steel

L = Overall length of luminaire

2 steel wires · Transparent connecting cable

Integral power supply unit, dimmable 1-10 V. Colour temperature 3000 K.

Also available with 4000 K on request.

3000 K · Article number

 $4000\,\mathrm{K}\cdot\mathrm{Article}$ number + **K4**

| | Light | source | Lumen | Α | В | C | L |
|------|-------|--------|-------|------|----|----|------|
| 5515 | LED | 24.6 W | 1200 | 640 | 50 | 65 | 2000 |
| 5442 | LED | 41.0 W | 2000 | 1040 | 50 | 65 | 2000 |



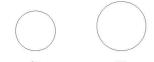
Unshielded pendant luminaires for energy-saving halogen lamps

Luminous flux 2870 · 4200 Lumen



Ceiling luminaires in two sizes with a high proportion of glass and high light output. The unshielded light penetrates the body of the glass, and creates a pleasant light intensity in the room with the protruding illuminated glass surface. The majority of the light is reflected by the inner surface of the outer glass and directed at the area to be illuminated. A second internal partially frosted crystal glass element efficiently prevents glare.

Top quality luminaires for maximum light atmosphere and visual comfort. All technical data are given in the instructions for use for these luminaires.



Pendant luminaires for halogen lamps
Outer glass: Crystal glass, satin matt, inside white
Inner glass: Crystal glass, partially frosted
Luminaire housing and canopy made from stainless steel

L = Overall length of luminaire Black connecting cable

Internal partially frosted crystal glass provides effective suppression from glare.

| | Light source | | Base | Lumen | А | В | L |
|------|--------------|-------|------|-------|-----|-----|------|
| 4976 | 1 QT 32 | 150 W | E 27 | 2870 | 415 | 160 | 1800 |
| 4977 | 1 QT 32 | 205 W | E 27 | 4200 | 515 | 185 | 1800 |





Unshielded and directed light for energy-saving halogen lamps and lamps for screw base E 14 \cdot E 27

Luminous flux 400-1800 Lumen

Pendant lamps in two shapes, with different sizes and materials. Optionally with or without height adjustment. Luminaires with height adjustment have a steel cable suspension and a transparent connecting cable.

An adjusting mechanism makes it possible to adjust the length of the pendant quickly and easily.

Luminaires with high-quality satin matt crystal glass elements that are white on the inside, and perfect metal trims.

The light is reflected by the white inner surface of the glass elements and directed onto the surface to be illuminated.

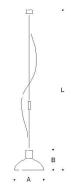
Unlike when using metal reflectors, part of the light penetrates the glass unit and provides pleasant vertical light intensity in the room as free radiating light.

There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.



The adjusting mechanism of the luminaires allows the height of the luminaires to be adjusted quickly and easily at any time. The height of the luminaire can therefore be adapted to the respective usage conditions.





for halogen lamps and lamps for screw base $\mathrm{E}\,14\cdot\mathrm{E}\,27$

Crystal glass, satin matt, inside white Luminaire housing and metal canopy Surface finish options
• White enamel RAL 9010

- Matt aluminium
- Brass

L = Overall length of luminaire

White connecting cable

Pendant lamps with height adjusting facility

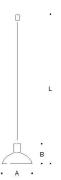
Steel wire suspension

Transparent connecting cable



| Penda | ant Iuminaire | es | | | | | | |
|-------|-------------------|-------|---------------|------|-------|-----|-----|------|
| White | Matt aluminium | Brass | Light source | Base | Lumen | A | В | L |
| 4770 | 5395 | | | E 14 | 820 | | | 1600 |
| 4772 | 5396 | 4773 | 1 QT 32 100 W | E 27 | 1800 | 280 | 220 | 1600 |

| Pendant lumina | Pendant luminaires adjustable height | | | | | | | | | | |
|----------------|--------------------------------------|------|------|-------|-----|-----|-------------|--|--|--|--|
| Matt aluminium | Light source | | Base | Lumen | Α | В | L | | | | |
| 4925 | 1 lamp | 40 W | E 14 | 400 | 180 | 150 | 1200 - 1600 | | | | |
| 4926 | 1 lamp | 75 W | E 27 | 935 | 280 | 220 | 1200 - 1600 | | | | |



| rend | ant luminant | 35 | | | | | | | |
|-------|-------------------|-------|--------------|-------|------|-------|-----|-----|------|
| White | Matt aluminium | Brass | Light source | | Base | Lumen | А | В | L |
| 4767 | 5352 | 4768 | 1 lamp | 60 W | E 14 | 660 | 170 | 155 | 1600 |
| 4559 | 5353 | 4562 | 1 lamp | 75 W | E 27 | 935 | 295 | 210 | 1800 |
| 4560 | 5354 | 4563 | 1 lamp | 100 W | E 27 | 1340 | 395 | 280 | 2000 |

| Pendant lamps adjustable height | | | | | | | | | |
|---------------------------------|--------------|------|------|-------|-----|-----|-------------|--|--|
| Matt aluminium | Light source | | Base | Lumen | Α | В | L | | |
| 4931 | 1 lamp | 40 W | E 14 | 400 | 170 | 155 | 1200 - 1600 | | |
| 4932 | 1 lamp | 75 W | E 27 | 935 | 295 | 210 | 1200 - 1600 | | |





Unshielded pendant luminaires for fluorescent lamps of lamps for screw base E 27

Luminous flux 900 · 935 Lumen

Unshielded pendant luminaires for fluorescent lamps of lamps for screw base E 27.

Luminaires with hand-blown, three-ply opal glass, in which a wafer-thin layer of opal glass is enclosed between two crystal glass layers. This produces a highly-translucent but opaque glass that diffuses the light extremely uniformly. Solid, reliable light tools that will do their job over a long period of time. Perfectly proportioned and impressive glass elements make the luminaires long-lasting aesthetic interior architecture design elements.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the TC-DEL fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.





Page 144

for fluorescent lamps and lamps for screw base E 27

Hand-blown opal glass Luminaire housing and metal canopy Surface finish options

- Stainless steel
- Brass

Luminaires for fluorescent lamps with integral electronic ballast.

L = Overall length of luminaire Black connecting cable









Unshielded pendant luminaires for lamps for screw base E 27

Luminous flux 935 · 1340 Lumen

Unshielded pendant luminaires in two sizes for general service lamps. Luminaires with satin matt crystal glass and three metal part versions.

The white inner surface of the glass reflects the light directly onto the surface to be illuminated. Part of the light penetrates the glass unit and provides pleasant vertical light intensity in the room as free radiating light.

As individual luminaires in private living areas, arranged in rows or groups, they are durable and aesthetic interior architecture design elements.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.





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Pendant luminaires for lamps for screw base E 27

Crystal glass, satin matt, inside white Luminaire housing and metal canopy Surface finish options

- White enamel RAL 9010
- Chrome
- Brass

L = Overall length of luminaire White connecting cable



| White | Chrome | Brass | Light sou | rce | Base | Lumen | Α | В | L |
|-------|--------|-------|-----------|-------|------|-------|-----|-----|------|
| 4472 | 4589 | 4430 | 1 lamp | 75 W | E 27 | 935 | 300 | 200 | 1800 |
| 4473 | 4590 | 4431 | 1 lamp | 100 W | E 27 | 1340 | 400 | 270 | 1800 |



The fascination of "Black Glass" Pendant luminaires made from hand-blown three-ply opal glass of lamps for screw base E 14 \cdot E 27

Luminous flux 400 · 935 Lumen



Extraordinary pedant luminaires, optionally in white or black opal glass.

Luminaires with a common expression of shape, but with a different light effect.

Shielded or free radiating.

The luminaires made from white opal glass emit part of the light downwards, whilst the unshielded part of the light that penetrates the glass illuminates the room pleasantly and uniformly.

The inside of the black glass luminaires is also made of white opal glass. Brilliant white light from the lamp is reflected downwards. Daylight makes this precious material impervious to light and jet black in appearance. A fascinating spectrum of colours is then produced in the light of the lamps, ranging from jet black to discreet dark blue.

There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

For luminaires with an $E14 \cdot E27$ screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.

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Pendant luminaires for lamps for screw base E14 · E 27

Hand-blown opal glass

- White flashed glass, satin matt
- Black flashed glass, satin matt

Glass holder and canopy made from aluminium

White aluminium enamel RAL 9006

L = Overall length of luminaire Black connecting cable



| Opal | glass, whit | :e | | | | | |
|------|--------------------|------|------|-------|-----|-----|----------|
| | Light sour | ce | Base | Lumen | A | В | <u>L</u> |
| 4941 | 1 lamp | 40 W | E14 | 400 | 115 | 225 | 2000 |
| 4942 | 1 lamp | 75 W | E 27 | 935 | 145 | 295 | 2000 |

| Opal | glass, blac | k | | | | | |
|------|--------------------|------|------|-------|-----|-----|------|
| | Light sour | ce | Base | Lumen | Α | В | L |
| 5254 | 1 lamp | 40 W | E14 | 400 | 115 | 225 | 2000 |
| 5255 | 1 lamp | 75 W | E 27 | 935 | 145 | 295 | 2000 |





Table and floor lamps with adjustable light for fluorescent lamps

Luminous flux 600 · 1200 Lumen

The design and technology of these luminaires allow the light from the lamp to be deflected in several directions.

The light output can be infinitely adjusted around the longitudinal luminaire axis. The luminaires provide adjustable light for reading and for many areas where the amount of light needs to be adapted to the requirements of the situation. Luminaires in which functionality and aesthetics are interconnected in an unmistakable way.

Because of the use of fluorescent lights, these luminaires are particularly suitable for areas in which long operating periods are required.

All technical data are given in the instructions for use for these luminaires.

We can also manufacture special variants of luminaire 6509 without a base plate for fix installation, e.g. for libraries.

Table lamp with infinitely variable light for fluorescent lamps

Hand-blown opal glass with thread Luminaire housing and shield Finish

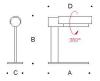
• Stainless steel

Luminaire with integral electronic ballast.

Black connecting cable · 2000 mm

Power switch incorporated in the luminaire

Light output 120°, infinitely rotatable by 360°.



| | Light source | Base | Lumen | Α | В | 0 | D |
|------|--------------|--------|-------|-----|-----|-----|-----|
| 6509 | 1 TC-D 18 W | G24d-2 | 1200 | 300 | 330 | 120 | 308 |

Table and floor lamps

with luminaire body that is infinitely adjustable in three axes for fluorescent lamps $\,$

Safety class II

Hand-blown opal glass with thread Metal parts and shield Finish

Stainless steel

Ballast and connecting plug in one unit

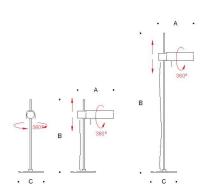
6540 Black connecting cable · 2000 mm

6533 Black connecting cable · 2500 mm

Toggle switch on the luminaire

Light output infinitely rotatable by 360°.

Horizontal rotation and height adjusting facility.



| Table | lamp | | | | | | |
|-------|--------------|-----|------|-------|-----|-----|-----|
| | Light source | | Base | Lumen | А | В | С |
| 6540 | 1 TC-S | 9 W | G 23 | 600 | 290 | 650 | 195 |

| Floor | lamp | | | | | | |
|-------|--------------|-----|------|-------|-----|------|-----|
| | Light source | | Base | Lumen | A | В | C |
| 6533 | 1 TC-S | 9 W | G 23 | 600 | 290 | 1150 | 220 |





Luminous flux 1200 Lumen

Table and floor lamps. Variability and visual comfort were in the foreground during the development of the luminaires on this double page.

Functionality and aesthetics are interconnected in an unmistakable way. Stainless steel and hand-blown three-ply glass are the materials of these »light artists«.

The luminaires can be rotated around infinitely the lamp axis and the longitudinal axis can be rotated infinitely around, and the height can be adjusted.

The open glass reflector can be perfectly adjusted to the surface to be illuminated.

Luminaires for operation with fluorescent lamps where long periods of operation are required.

All technical data are given in the instructions for use for these luminaires.





Table and floor lamps

with luminaire body that is infinitely adjustable in three axes for fluorescent lamps

Hand-blown opal glass, satin matt, with thread Metal parts made from stainless steel

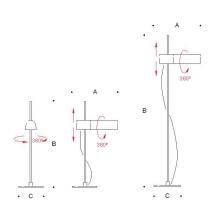
Luminaires for fluorescent lamps with integral electronic ballast.

Black connecting cable · 2500 mm

Power switch incorporated in the luminaire.

Light output infinitely rotatable by 360°.

Horizontal rotation and height adjusting facility.



| Table | lamp | | | | | |
|-------|---------------|--------|--------|-----|-----|-----|
| | Light source | Base | Lumen | Α | В | C |
| 6511 | 1 TC-DEL 18 W | G24q-: | 2 1200 | 355 | 650 | 195 |

| Floor | lamp | | | | | |
|-------|---------------|--------|--------|-------|-----|-----|
| | Light source | Base | Lumen | Α | В | 0 |
| 6520 | 1 TC-DEL 18 W | G24 n- | 2 1200 | 385 1 | 250 | 260 |



Unshielded table and floor lamps for fluorescent, energy-saving halogen lamps and lamps for screw base E14 · E 27

Luminous flux 820 - 2900 Lumen



Luminaire 6525 as special version for fix installation

Luminaires in the form of a classical cylinder. Unshielded table and floor lamps in different sizes for fluorescent, energy-saving halogen lamps and lamps for screw base $E14 \cdot E27$.

These luminaires are characterised by the formal glass/metal unit and the material quality of the luminaire housing with its exquisite surface finishes. High-quality three-ply opal glass elements diffuse the light pleasantly and uniformly in the room. There are many different lamps for the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For luminaires with an $E14 \cdot E27$ screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All technical data are given in the instructions for use for these luminaires.

Table and floor lamps for fluorescent, halogen lamps and lamps for screw base E 14 \cdot E 27

6525 · 6519 Safety class II

Hand-blown opal glass

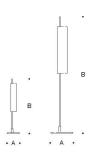
Metal parts made from stainless steel

Luminaires for fluorescent lamps with integral electronic ballast.

Black connecting cable · 2000 mm

Toggle switch on the luminaire

6481 Foot dimmer for infinitely variable brightness control



| Table | lamps | | | | | |
|---------|--------------|------|--------|-------|-----|-----|
| S/steel | Light source | | Base | Lumen | A | В |
| 6525 | 1 TC-DEL 1 | 8 W | G24q-2 | 1200 | 175 | 720 |
| 6519 | 1 QT 26 | 00 W | E14 | 820 | 145 | 505 |
| 6480 | 1 lamp 7 | '5 W | E 27 | 935 | 175 | 720 |

| Floor | lamps | | | | | |
|---------|--------------|-------|--------|-------|-----|------|
| S/steel | Light source | | Base | Lumen | Α | В |
| 6526 | 1 TC-L | 36 W | 2 G 11 | 2900 | 290 | 1700 |
| 6481 | 1 lamp | 150 W | E 27 | 2160 | 290 | 1700 |





Unshielded table and floor lamps for lamps for screw base E 27

Luminous flux 935 - 5360 Lumen

Table and floor lamps in the form of a classical cylinder.

With open luminaire glass made from hand-blown three-ply opal glass. The glass elements are supported by sophisticated metal parts with perfect workmanship.

Timelessly beautiful luminaires – high-quality light tools for stylish rooms. Luminaires for lamps for screw base E 27.

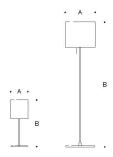
There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.



Table and floor lamps for lamps for screw base E 27
Hand-blown opal glass, satin matt
Metal parts made from stainless steel
Black connecting cable · 2000 mm
With dimmer for infinitely variable brightness control.



| Table | lamps | | | | | |
|-------|--------------|------|------|-------|-----|-----|
| | Light source | | Base | Lumen | A | В |
| 6538 | 1 lamp | 75 W | E 27 | 935 | 220 | 625 |

| Floor | lamps | | | | | |
|-------|--------------|--------|------|-------|-----|------|
| | Light source | | Base | Lumen | Α | В |
| 6529 | 4 lamns | 100 W/ | F 27 | 5360 | 350 | 1610 |





Unshielded table lamps with LED, for fluorescent lamps and lamps for screw base E 27

Luminous flux 1340 - 3200 Lumen

Table lamps in the form of a classical cylinder.

With open luminaire glass made from hand-blown three-ply opal glass. The glass elements are supported by sophisticated metal parts with perfect workmanship.

Timelessly beautiful luminaires – high-quality light tools for stylish rooms.

Luminaires with integral LED, for fluorescent lamps and lamps for screw base E 27.

Equipping the lamps with LED is new in this product range. In spite of having the same lumen output, the luminous efficiency of LED is significantly higher than with conventional lamps. The service life and the low connected load are also impressive.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen or fluorescent lamps.

Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For most uniform illumination we recommend the luminaires with integral LED light or for TC-TELI fluorescent lamps that are specified in the table.

For luminaires with an E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.

Table lamps

with LED, for fluorescent lamps and lamps for screw base E 27

Hand-blown opal glass, satin matt

Luminaire housing made of metal, optionally made from

- Stainless steel
- Polished aluminium

6517 with integral electronic ballast

Black connecting cable · 2000 mm

6517 with switch

6515 · 6516 dimmable

LED luminaires with integral power supply unit, dimmable.

Colour temperature 3000 K. Also available with 4000 K on request.

3000 K \cdot Article number

4000 K · Article number + K4



| Table | lamps po | olished alu | minium | | | |
|-------|----------|-------------|--------|-------|-----|-----|
| | Light so | urce | Base | Lumen | Α | В |
| 6530 | LED | 19.6 W | _ | 1550 | 220 | 410 |
| 6531 | LED | 40.0 W | _ | 3100 | 350 | 650 |

| Table | lamps stai | nless ste | el | | | |
|-------|------------|-----------|-----------|----------|-----|-----|
| | Light sour | ce | Base | Lumen | Α | В |
| 6517 | 1 TC-TE | LI 42 W | GX 24 q-3 | 3/4 3200 | 350 | 650 |
| 6515 | 1 lamp | 100 W | E 27 | 1340 | 220 | 410 |
| 6516 | 1 lamp | 200 W | E 27 | 3040 | 350 | 650 |





Unshielded table lamps Light and glass

Light and glass undergo one of the most fascinating connections in these luminaires.

Table lamps that consist of two large glass units. A wafer-thin layer of opal glass is enclosed between two crystal glass layers. This produces a highly-translucent but opaque glass that distributes the light extremely uniformly.

Impressive examples of the glassmaker's art which illuminate the room like a light sculpture.

All technical data are given in the instructions for use for these luminaires.



Table lamps for halogen lamps Hand-blown opal glass, satin matt Luminaire base made from stainless steel White connecting cable \cdot 2000 mm Toggle switch on the luminaire



| | Light source | Base | Lumen | Α | В |
|------|----------------------------|----------|-------|-----|-----|
| 6534 | 1 QT 32 100 W+2 QT 14 33 W | E 27+G 9 | 2720 | 220 | 385 |
| 6535 | 1 QT 32 205 W+2 QT 14 33 W | E 27+G 9 | 5120 | 350 | 615 |





Unshielded LED table lamps with LED or for lamps for screw base E 27

Luminous flux 935 - 1550 Lumen

LED luminaires with hand-blown three-ply opal glass elements. We have coordinated the structure and design of the luminaires with our LED technology. The configuration of the LED allows to design a compact luminaire base. With a consistent design and perfect workmanship, they support and illuminate the valuable glass elements. In spite of having the same lumen ratings, the luminous efficiency of the LED is significantly higher than with conventional lamps. The long service life, the low connected load and the dimmability are also impressive.

Given the great number of lamps on the market with the screw base E 27, the luminaires on these two pages are also

Timelessly beautiful luminaires – high-quality lighting tools for stylish rooms.

Table lamps

with LED or for lamps for screw base E 27

Hand-blown opal glass, satin matt

available for this type of lamp.

Luminaire housing made of polished aluminium

Black connecting cable · 2000 mm

LED luminaires with integral power supply unit · dimmable Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number 4000 K · Article number + **K4**



| | Light source | | Base | Lumen | Α | В |
|------|--------------|--------|------|-------|-----|-----|
| 6542 | LED | 13,0 W | - | 1035 | 180 | 220 |
| 6543 | LED | 19,6 W | - | 1550 | 220 | 260 |
| 6544 | 1 lamp | 75 W | E 27 | 935 | 180 | 220 |
| 6545 | 1 lamp | 100 W | E 27 | 1340 | 220 | 260 |



Table lamps

with LED or for lamps for screw base E 27

Hand-blown opal glass, satin matt

Luminaire housing made of polished aluminium

Black connecting cable · 2000 mm

LED luminaires with integral power supply unit \cdot dimmable Colour temperature 3000 K. Also available with 4000 K on request.

3000 K · Article number

4000 K \cdot Article number + **K4**



| | Light sour | ce | Base | Lumen | Α | В |
|------|------------|--------|------|-------|-----|-----|
| 6541 | LED | 19,6 W | _ | 1550 | 165 | 370 |
| 6505 | 1 lamp | 100 W | E 27 | 1340 | 165 | 370 |



Unshielded table and floor lamps with LED, for fluorescent lamps and lamps for screw base E14 · E27

Luminous flux 660 - 4800 Lumen

Luminaires in the form of a classical cylinder. The floor luminaires on page 317 are particularly suitable for long periods of operation in private and public rooms because of the cost-effective fluorescent lamps.

New in this product range of table luminaires is the equipment with LED. In spite of having the same lumen ratings, the luminous efficiency of the LED is significantly higher than with conventional lamps. The service life and the low connected load are also impressive.

There are many different lamps for luminaires with the E14 \cdot E 27 screw base nowadays, such as LED, energy-saving halogen and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. For luminaires with an E14 \cdot E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.





Table lamps

with LED and for lamps for screw base E14 \cdot E 27

Hand-blown opal glass with thread

Switch in the base of the luminaire

Black connecting cable · 2000 mm

LED luminaires with integral power supply unit.

Colour temperature 3000 K. Also available with 4000 K on request.

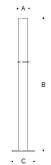
3000 K · Article number

4000 K · Article number + K4



| Table | lamps po | olished alu | miniun | n | | | |
|-------|----------|-------------|--------|-------|-----|-----|-----|
| | Light sc | urce | Base | Lumen | А | В | О |
| 6546 | LED | 9.0 W | _ | 720 | 94 | 380 | 135 |
| 6547 | LED | 13.4 W | _ | 960 | 110 | 480 | 160 |

| Table | lamps sta | inless st | eel | | | | |
|-------|------------------|-----------|------|-------|-----|-----|-----|
| | Light sou | rce | Base | Lumen | Α | В | С |
| 6477 | 1 lamp | 60 W | E14 | 660 | 70 | 280 | 100 |
| 6478 | 1 lamp | 75 W | E 27 | 935 | 94 | 380 | 135 |
| 6479 | 1 Jamp | 100 W | F 27 | 1340 | 110 | 480 | 160 |



Floor lamps for fluorescent lamps

Hand-blown opal glass with thread Metal part finish

• chrome

Luminaire with integral dimmable electronic ballast

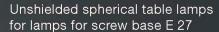
Switch in the base of the luminaire.

Black connecting cable · 2000 mm

| | Light source | Base | Lumen | A B | |
|------|--------------|--------|-------|----------|-----|
| 6536 | 1 TC-L 55 W | 2 G 11 | 4800 | 110 1800 | 340 |







Luminous flux 935 - 3040 Lumen

Unshielded spherical luminaires in different sizes.

Luminaires with hand-blown three-ply opal glass elements.

A wafer-thin layer of opal glass is enclosed between two crystal glass layers. The glass that is produced is extremely transparent but opaque. It diffuses the light extremely evenly without causing glare. This makes them perfect, aesthetic interior architecture design elements.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen and fluorescent lamps. Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. The luminous flux specifications (lumen) for luminaires with screw base E 27 relate to the maximum wattage (W) of general service lamps. All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.





Table lamps for lamps for screw base E 27

Safety class II

Hand-blown opal glass Luminaire housing made of metal

Chrome

Black connecting cable · 2000 mm

Pull switch



| Table I | amps · Fig | g, on page | 319 | | | |
|--------------|------------------|---------------|--------------|-------------|------------|------------|
| Chrome | Light sour | ce | Base | Lumen | Α | В |
| 6357 6298 | 1 lamp 1 lamp | 75 W 100 W | E 27 E 27 | 935 1340 | 210 300 | 450 600 |

Table lamps for lamps for screw base E 27

Safety class II

Hand-blown opal glass

Luminaire housing made of stainless steel

Black connecting cable \cdot 2000 mm

dimmable



| rapie | iamps · Fig | g, on page | 318 | | | |
|-------|-------------|------------|------|-------|-----|-----|
| 20 | Light sour | ce | Base | Lumen | Α | В |
| 6495 | 1 lamp | 100 W | E 27 | 1340 | 300 | 290 |
| 6504 | 1 lamp | 150 W | E 27 | 2160 | 350 | 335 |
| 6503 | 1 lamp | 150 W | E 27 | 2160 | 400 | 390 |
| 6500 | 1 lamp | 200 W | E 27 | 3040 | 450 | 440 |





Unshielded table and floor lamps for fluorescent and lamps for screw base E 27

Luminous flux 1870 - 5000 Lumen

Representative powerful table and floor lamps in different sizes. Unshielded luminaires with open crystal glass elements for pleasant, smooth light in the room. If the table lamps on page 321 are operated over long periods, we recommend the use of cost-effective fluorescent lamps. Luminaires with impressively high material quality and technical elegance.

There are many different lamps for the E 27 screw base nowadays, such as LED, energy-saving halogen and fluorescent lamps.

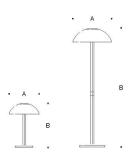
Depending on the type of lamp and the manufacturer, the glass elements of the luminaire can be illuminated in different ways. To achieve a most uniform light distribution we recommend the luminaires for the T16R fluorescent lamps that are specified in the table.

For luminaires with E 27 screw base, the luminous flux specifications (lumen) relate to the maximum wattage (W) of general service lamps.

All information about the suitability of energy-saving lamps and all technical data are given in the instructions for use for these luminaires.

Table and floor lamps for fluorescent and lamps for screw base E 27 Crystal glass, satin matt, inside white · stainless steel base Luminaires for fluorescent lamps with integral electronic ballasts. Table lamps with pull switch Black connecting cable · 2000 mm

Floor lamps dimmable
Black connecting cable · 2500 mm

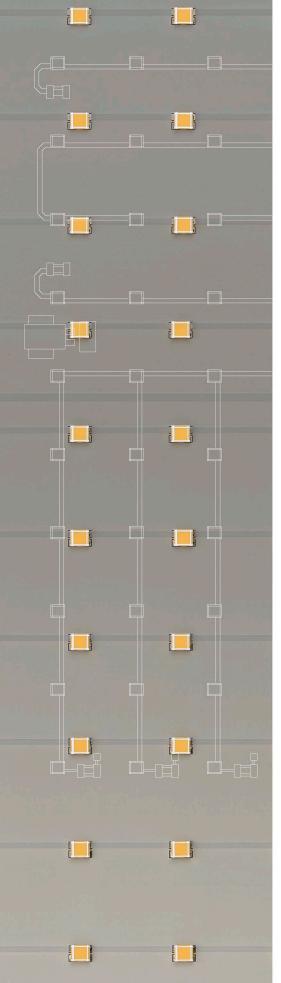


| Table | lamps | | | | | |
|-------|--------------|------|-------|-------|-----|-----|
| | Light source | е | Base | Lumen | Α | В |
| 6460 | 2 lamps | 75 W | E 27 | 1870 | 400 | 580 |
| 6457 | 4 lamps | 75 W | E 27 | 3740 | 500 | 650 |
| 6527 | 1 T16R | 40 W | 2GX13 | | 400 | 580 |
| 6528 | 1 T16R | 60 W | 2GX13 | | 500 | 650 |

| * |
|-------------------------|
| Floor lamps with touch- |
| controlled dimmer |

| Floor | lamps | | | | | |
|-------|-------------|------|------|-------|-----|------|
| | Light sourc | e | Base | Lumen | Α | В |
| 6508 | 4 lamps | 75 W | F 27 | 3740 | 515 | 1570 |





What you need to know about our LED technology

We have been developing and manufacturing new luminaires for decades. New lamps usually generate new product design. The LED has stimulated the fantasy of lighting enthusiasts like no other lamps before. The high luminous efficiency, the stable light colours, the extremely long service life and not least an improved cost situation allow them to be used professionally.

In this catalogue we offer a multitude of LED variants for most of the product lines.

LED technology is particulary dependent on the quality and processing of the components that are used.

The company group BEGA LIMBURG BOOM has a huge fund of experience in the field of development of luminaires. We design and manufacture our LED boards in-house. This is the only way to provide quality, durability and perfect coordination with our luminaires.

The service life of the LED is extremely long nowadays – we anticipate more than 50,000 hours.

After this time our LED will not stop working and remain operational with luminous flux (\$\phi\$) of at least 70%.

We have already ensured that you will be able to order a new LED board from us when an LED reaches the end of its service life. You will find the relevant ordering information for placing this spare part order on the respective LED board. Our LED designation system also ensures that you can obtain an identical module that has the same light colour and luminous flux as the original.



Our LED designation system guarantees that you can obtain spare parts that match the original luminaire components.

Each LED board bears the relevant module identification number.

We can also supply each LED board with a colour temperature of 3000 K and 4000 K (Kelvin).



Light colour 3000 K



Light colour 4000 K

We supply the LED luminaires in this catalogue with a colour temperature of 3000 K (Kelvin).

This corresponds to the »warm white« colour.

On request we can also supply the luminaires with LED boards with a colour temperature of 4000 K, which corresponds to the »neutral white« colour.

Power supply unit for LED luminaires

Safety transformer in accordance with DIN EN 61558/VDE 0570 parts 2-6 $230\,\mathrm{V}\!\!\sim\!50\text{-}60\,\mathrm{Hz}/24\,\mathrm{V}$ DC

Encapsulated in cast resin \cdot Safety class II \cdot Protection class IP 65 Colour graphite

The power supply units are also suitable for operating multiple LED luminaires. It must be ensured that the maximum output of the power supply is not exceeded.



 A
 Output
 A
 B
 C

 465
 24V DC power supply for LED luminaires
 0-20 W
 55
 215
 50

Power supply unit for LED luminaires

Alternating current range AC: 198 - 254 V \sim 50 - 60 Hz

Direct current range DC: 200 - 240 V

Protection class IP 65

Die-cast aluminium or stainless steel

4 Cable entries for through-wiring \cdot Connecting terminals $2 \times 2,5^{\square}$

Colour graphite

The power supplies are also suitable for operating multiple LED luminaires. It must be ensured that the maximum output of the power supply is not exceeded. Maximum cable lengths in the operating instructions.



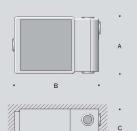
 A
 . °
 Output
 A
 B
 C

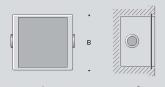
 114
 24V DC power supply for LED luminaires
 0-25 W
 105
 240
 70











Installation housings and plaster frames

It may be advisable to use a installation housing for installing recessed wall and ceiling luminaires. If the luminaires are being installed in concrete ceilings, we basically recommend the installation of a recessed housing.

If concrete walls, concrete ceilings and brickwork are being plastered, it is advisable to also use the plaster frames specified in the tables – for plaster thickness of 12 - 20 mm.

You will find the dimensions, material description and design of the recessed housing and the plaster frame under the relevant order numbers in this overview. They are specially tailored to GLASHÜTTE LIMBURG luminaires, and ensure that installation is technically perfect.

You will also find operating instructions for each component at www.glashuette-limburg.com





Installation housings

to prepare the recessed opening in concrete ceilings Aluminium and fibre glass-reinforced synthetic material Colour graphite

| | | Α | В | 0 |
|-----|-----------------------|-----|-----|-----|
| 416 | Installation housings | 205 | 305 | 125 |
| 483 | Installation housings | 260 | 405 | 125 |
| 493 | Installation housings | 305 | 455 | 125 |

Installation housings and plaster frames

to prepare the recessed opening.

If concrete walls, concrete ceilings and brickwork are being plastered, it is advisable to also use the plaster frames specified in the tables – for plaster thickness of 12 - 20 mm.

Installation housing made of aluminium and fibre glass-reinforced synthetic material. Plaster frame made of aluminium

Colour graphite

| | | A | В | C | | |
|-----|-----------------|-----|-----|-----|-----|---------------|
| 406 | Installhousings | 120 | 90 | 110 | 006 | Plaster frame |
| 782 | Installhousings | 140 | 110 | 125 | 082 | Plaster frame |
| 463 | Installhousings | 190 | 165 | 125 | 063 | Plaster frame |
| 489 | Installhousings | 225 | 200 | 125 | 089 | Plaster frame |
| 490 | Installhousings | 280 | 255 | 125 | 090 | Plaster frame |
| 492 | Installhousings | 330 | 305 | 125 | 092 | Plaster frame |

Installation housings

to prepare the recessed opening in concrete ceilings Aluminium and fibre glass-reinforced synthetic material Colour graphite

| | | А | В | С | D |
|-----|-----------------------|-----|-----|-----|-----|
| 776 | Installation housings | 215 | 325 | 130 | 175 |



to prepare the recessed opening in concrete ceilings Aluminium

| | | Α | В | C |
|------|-----------------------|-----|-----|-----|
| 5097 | Installation housings | 250 | 95 | 146 |
| 5098 | Installation housings | 290 | 110 | 188 |
| 5060 | Installation housings | 330 | 110 | 221 |
| 5099 | Installation housings | 350 | 120 | 239 |
| 5061 | Installation housings | 420 | 110 | 311 |
| 5100 | Installation housings | 445 | 120 | 332 |
| 5059 | Installation housings | 510 | 110 | 401 |
| 5101 | Installation housings | 535 | 120 | 420 |
| 5113 | Installation housings | 326 | 110 | 212 |
| 5114 | Installation housings | 312 | 102 | 198 |

| | | Α | В | C |
|-----|-----------------------|-----|-----|-----|
| 411 | Installation housings | 170 | 105 | 71 |
| 440 | Installation housings | 200 | 170 | 97 |
| 441 | Installation housings | 240 | 200 | 128 |
| 442 | Installation housings | 280 | 220 | 160 |
| 443 | Installation housings | 320 | 250 | 202 |

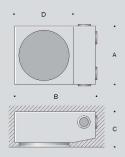
Installation housing and plaster frame

to prepare the recessed opening.

If concrete walls, concrete ceilings and brickwork are being plastered, it is advisable to use the plaster frames specified in the tables – for plaster thickness of 12 - 20 mm.

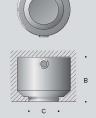
Installation housing and plaster frame made from aluminium

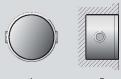
| | | Α | В | | |
|-----|-----------------|-----|-----|-----|---------------|
| 415 | Installhousings | 80 | 105 | 015 | Plaster frame |
| 781 | Installhousings | 130 | 145 | 081 | Plaster frame |
| 486 | Installhousings | 185 | 135 | 086 | Plaster frame |
| 487 | Installhousings | 245 | 135 | 087 | Plaster frame |
| 491 | Installhousings | 295 | 135 | 091 | Plaster frame |











Ceiling distributor · Cross-arms · Accessories

Different architectural situations require different installation solutions.

For cases where the canopy which is a standard part of the cable pendant luminaire can not be used, or several luminaires need to be installed on one power connection, we have developed a series of appropriate accessories.

We also supply matching devices for the installation of luminaires in rows or groups to special order.

We would be pleased to assist you in your detailed planning.









Canopy

for the installation of pendant luminaires on ceilings or other building structures with a slope of 0°-60°.



building structures with a slope of 0°-60°. Metal canopy with different enamels.

| 5080 | 5081 | 5082 | 5083 | 120 | 60 | 40 |
|-------|----------|-----------------|------------|-----|----|----|
| White | Graphite | White aluminium | Light grey | А | В | С |

Recessed suspension device

with different surface finishes

for pendant luminaires installed in suspended ceilings.

Max. material thickness of ceiling 30 mm. Max. weight of luminaires 10 kg. Metal housing · Ceiling frame ring

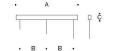


| White | Graphite | S/steel | Chrome | Brass | А | В | С |
|-------|----------|---------|--------|-------|-----|----|----|
| 5043 | 5044 | 5095 | 5046 | 5045 | 100 | 80 | 60 |

Cross-arms

\A/hito

for the installation of three or five pendant luminaires Aluminium with enamel



| A.A.I.II.CO | | | | |
|-------------|------------------|------|-----|----|
| 5109 | for 3 luminaires | 700 | 300 | 40 |
| 5110 | for 3 luminaires | 1000 | 400 | 40 |
| 5111 | for 5 luminaires | 1300 | 300 | 40 |
| 5112 | for 5 luminaires | 1800 | 400 | 40 |

Pendant shortener

If pendant luminaires are only required temporarily in reduced overall lengths, the length of the pendant can be adjusted by means of a pendant shortener.

Max. weight of luminaire 5 kg

Solid-coloured synthetic material

 White
 Graphite
 Ø

 5039
 5040
 45

RAL colours for enamels:

White - RAL 9010, white aluminium - RAL 9006, light grey - RAL 7035.

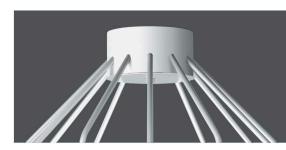


Distributor

for large multi-pendants Custom mate distributor for large pendant groups Metal base with enamel Available in any RAL colour on request



5026 Special order max. 1500



Distributor

for 2-6 pendant luminaires Max. luminaire diameter 130 mm Metal canopy with enamel



White А В 5036 190 85



Distributor suitable for:

3 pendant luminaires max. Ø 400 mm 4 pendant luminaires max. Ø350 mm



6 pendant luminaires max. Ø 300 mm

8 pendant luminaires max. Ø 250 mm Enamelled synthetic material, optional

| Α | В | |
|-----|----|--|
| 420 | 40 | |

White Chrome coloured Brass coloured 5010 5008 5009



Distributor · round or square for arranging pendant groups as required. Metal cover





Electrical safety

Our luminaires are manufactured on the basis of the EN 60598/VDE 0711 regulations. The majority of the luminaires carry the test symbol on the type plate of the luminaire, the packaging and the operating instructions. The other luminaires have been submitted for certification, but the certification and approval procedure is still in progress.

Due to the long validity of our catalogue, we are unable to give the current status of symbol approvals. On request we can provide information on this at any time. Special orders are designed and manufactured in accordance with the relevant regulations.

An explanation of the protection type and safety class symbols in accordance with EN 60598 can be found on our web site.

All luminaires are subject to constant production and quality control.

Safety symbols



The ENEC symbol (European Norms Electrical Certification) is a European test and certification symbol for luminaires and electrical components in luminaires. The number 10 with or without the VDE symbol means that the test/certification symbol by the VDE institute has been issued.



The familiar German F marking on luminaires is no longer necessary now that the validity of the standard that preceded DIN EN 60598 (VDE 0711) has come to an end: 2009-09 or (with the end of the transitional period) on 12-04-2012.



Surface-mounted luminaires that carry this marking are not suitable for direct installation on normally flammable building materials.



Due to their limited surface temperatures, luminaires with this symbol are suitable for locations subject to fire hazards caused by dust or fibres (VDE 0710 Part 2-24).



The familiar German F marking on luminaires is no longer necessary now that the validity of the standard that preceded DIN EN 60598 (VDE 0711) has come to an end: 2009-09 or (with the end of the transitional period) on 12-04-2012.



Recessed luminaires that carry this marking are not suitable for direct installation on normally flammable building materials.



No thermal insulation material is allowed adjacent to luminaires with this symbol.



Luminaires with this symbol are designed in accordance with EN 60598/VDE 0711 for an ambient temperature of ta $25\,^{\circ}\text{C}.$



The CE symbol is issued on the manufacturer's own responsibility and is not a safety symbol. The manufacturer herewith declares that the directives of the European Union are observed.



The number next to the CE symbol indicates that a testing and certification body verifies compliance with directives.

Light planning · Technical information

Good planning work is required to solve lighting tasks. Our catalogue provides you with information on lamp data and lumen for almost all types of luminaire.

Each lighting task has different requirements. These depend on many parameters such as reflection characteristics of the environment, luminance requirements, colour rendering etc. A detailed description here would always be incomplete.

We would be pleased to assist in planning projects according to your specifications.

All technical data, usage instructions for our luminaires and calculation programs can be found on our web site at www.glashuette-limburg.de .

Special electrical equipment · Emergency light

Dimmable luminaires for fluorescent lamps are wired ready for connection to the respective control system and have an analogue (1-10 V) or digital dimmable equipement (DSI resp. DALI). Luminaires for integration in emergency lighting systems according to DIN VDE 0108-100. Luminaires for connection to a central battery system, with electronic ballasts, with AC/DC changeover switch, with control module or with an additional emergency lamp holder. Luminaires with integral single battery for one or three hours of emergency operation in the event of a power failure.

We will be pleased to give you details on feasibility and costs.





Protection classes · Safety classes

The information we provide on a luminaire's stability in withstanding the penetration of dust, foreign bodies and water is according to EN 60598/VDE 0711.

The respective degree of protection IP (International Protection) is printed on the luminaire as a number system according to IEC 529.

Please see the table on this page for allocation of the degree of protection according to EN 60598.

Protection classes 1st digit: foreign body protection

| IP 1x | protection against penetration of foreign bodies $\geq 50\text{mm}$ |
|-------|--|
| IP 2x | protection against penetration of foreign bodies $\geq12\text{mm}$ |
| IP 3x | protection against penetration of foreign bodies $\geq 2.5\text{mm}$ |
| IP 4x | protection against penetration of foreign bodies $\geq 1 \text{ mm}$ |
| IP 5x | protection against harmful dust deposits |
| IP 6x | protection against dust entry |

Protection classes 2nd digit: water protection

| IP x1 | protection against drops of water falling vertically |
|--------|---|
| IP x2 | protection against drops of water from angles up to 15° |
| IP x3 | protection against showers up to 60° |
| IP x4 | protection against splash water |
| IP x5 | protection against water jets |
| IP x6 | protection against heavy downpours |
| IP x7 | protection against immersion |
| IP x8m | protection against submersion |

Safety classes



Safety class I designates luminaires with an earth connection. Under fault conditions, the power supply is cut by an overload.



Safety class II designates luminaires that, apart from functional insulation, have an additional protective insulation. Under fault conditions, no dangerous voltage can reach metal parts which can be touched. Many luminaires are available in Safety class I and also in Safety class II. Please inquire accordingly.

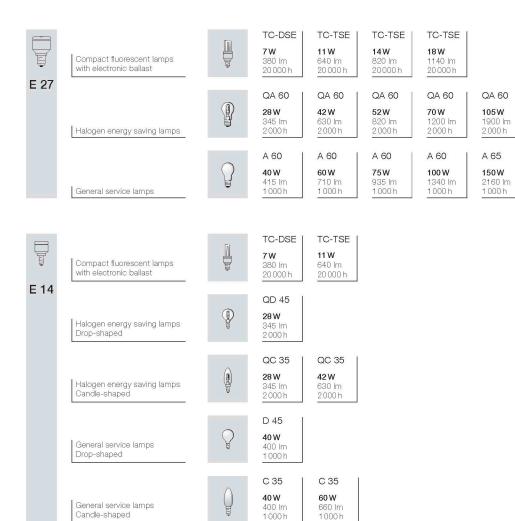


Safety class III designates luminaires operating on extra-low safety voltage. They can only be connected to safety transformers in accordance with EN 61558/VDE 0570, EN 61347/VDE 712 or VDE 0100 Part 410. The transformer must be approved for the type of installation.

Lamp overview specially for screw base E14 and E27

The range of lamps for screw base E14 and E27 has increased considerably over the last few years. Luminaires for general service lamps can now be operated with many energy-saving lamps. In the tables in this catalogue, the luminous flux specifications (Lumen) for lamps with screw base E14 and E27 relate to the maximum wattage (W) of general service lamps.

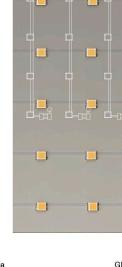
Exact information about the use of the respective lamps can only be found in the usage instructions for the luminaires. The overview on this page makes it possible to compare lamps that can be operated using the same base. The table shows a comparison of the output (Watts/W), luminous flux (Lumen/Im) and service life (Hours/h) of the lamps. The exact lamp designations from the most important manufacturers can be found on pages 330-331.



Lamp overview of the luminaires in this catalogue

Programmes of lamp manufacturers are subject to constant improvements and new developments. As this catalogue will be valid for a considerable time, we expressly advise you to consult the respectively valid data sheets issued by the manufacturers. This applies in particular to data relating to the burning position, operating current and starter characteristics of the lamps. The contents of the table below were provided by the lamp manufacturers. We assume no liability for the completeness and validity of such data. In this catalogue the uniform lamp designation system LBS of the electrical industry was used to specify the lamps and type designations of the different manufacturers.





| | Base | LBS | Watts | Lumen (lm) | Osram | Philips | Sylvania | GE |
|-----------------|--------------------------------------|---|----------------------------------|--|---|---|--|--|
| Compact fluore | scent lamps | s with integra | l electronic | ballast | Dulux | Master PL-E | Mini Lynx Fast Start | |
| | E 14 E 27 E 27 | TCD-SE TCD-SE TCD-SE | 7 W 11 W 15 W | 340 lm 630 lm 850 lm | DSST MIBA 7 W/E14 DSST MIBA 10 W/E27 DSST MIBA 15 W/E27 | - | - | - - FLE15GLS/T2/8/E27 |
| | E 27 E 27 E 27 E 27 | TC-DSE TC-TSE TC-TSE TC-TSE | 7 W 11 W 14 W 18 W | 380 lm 640 lm 820 lm 1140 lm | DINT LL 7W/E27 DINT LL 11W/E27 DINT LL 14W/E27 DINT LL 18W/E27 | 8W/E27 - 15W/E27 20W/E27 | 11W/E27 15W/E27 20W/E27 | |
| | E 14 E 14 | TC-DSE TC-TSE | 7 W 11 W | 380 lm 640 lm | DINT LL 7W/E14 DINT LL 11W/E14 | 8W/E14 - | - 11W/E14 | - FLE11TBX/XM/8/E14 |
| Halogen energy | saving lam | ps | | | | | | |
| | E 27 E 27 E 27 E 27 E 27 | QA 60 QA 60 QA 60 QA 60 QA 60 | 28W 42W 52W 70W 105W | 345 lm 630 lm 820 lm 1200 lm 1900 lm | 64542 A ECO 64543 A ECO 64544 A ECO 64547 A ECO 64548 A ECO | 25277425 25171525 (53 W) 25172225 25225525 25226225 | A55 28W 230V E27 A55 42W 230V E27 A55 53W 230V E27 A55 70W 230V E27 | 28W HALO A CL E27 230V 42W HALO A CL E27 230V - 70W HALO A CL E27 230V 100W HALO A CL E27 230V |
| | E 14 | QD 45 | 28W | 320 lm | 64542 P ECO | = | Droplet 28W 230V E14 | 28W HALO S CL E14 230V |
| | E 14 E 14 | QC 35 QC 35 | 28W 42W | 345 lm 630 lm | 64542 B ECO 64543 B ECO | 25265120 - | Candle 28W 230V E14 Candle 42W 230V E14 | 28W HALO C CL E14 230V 42W HALO C CL E14 230V |
| General service | lamps | | | | | | | |
| | E 27 E 27 | A 60 A 60 | 40 W 60 W | 415 lm 710 lm | CLAS A CL 40 CLAS A CL 60 | 354860 354563 | 40A1/CL/E27 60A1/CL/E27 | - |
| | E 14 | D 45 | 40 W | 400 lm | CLAS P CL 40 | 011862 | 36852 | 19788 |
| | E 14 E 14 | C 35 C 35 | 40 W 60 W | 400 lm 660 lm | CLAS B CL 40 CLAS B CL 60 | 011336 011763 | 11302 11352 | 91323 91534 |
| Halogen lamps | | | | | | | | |
| ₽ | G9 G9 G9 | QT 14 QT 14 QT 14 | 33 W 48 W 60 W | 460/340 lm 740/630 lm 980/850 lm | 66733 ECO 66748 ECO 66760 ECO | (28 W) 86398700 (42 W) 86401400 | Hi-Pin G9 ECO 28W 230V Hi-Pin G9 ECO 42W 230V Hi-Pin G9 ECO 53W 230V | - |
| 67 mm | B 15d B 15d | QT 18 QT 18 | 40 W 60 W | 590 lm 980 lm | 64491 64492 | _ | = | - |
| €==== 86 mm | B 15d B 15d B 15d | QT 18 QT 18 QT 18 | 60 W 70 W 100 W | 980 lm 1180 lm 1800 lm | 64406 64494 64496 | - | - | - |
| | E 14 E 14 | QT 26 QT 26 | 40 W 60 W | 490 lm 820 lm | 64861 T 64862 T | - | - | - |
| | E 27 E 27 E 27 E 27 | QT 32 QT 32 QT 32 QT 32 | 70 W 100 W 150 W 205 W | 1180 lm 1800 lm 2870 lm 4200 lm | 64400 64401 64402 64404 | - - - | - - - | - |

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| | Base | LBS | Watts | Lumen (Im) | Osram | Philips | Sylvania | GE |
|-------------------|--|--|---|---|---|--|--|---|
| Low-voltage halo | ogen lamps | | | | | | | |
| ⊐≅⊙ | G 4 G 4 GY 6.35 GY 6.35 GY 6.35 GY 6.35 | QT 9(-UVr)-ax QT 9(-UVr)-ax QT 12(-UVr)-ax QT 12(-UVr)-ax QT 12(-UVr)-ax QT 12(-UVr)-ax | 7 W/5 W 14 W/10 W 25 W/20 W 35 W 50 W 60 W | 105/55 Im 240/130 Im 500/290 Im 860/580 Im 1180/900 Im 1650 Im | 64417 ECO/64405S 64423 ECO/64415S 64429 ECO/64427S 64432 ECO/64432S 64440 ECO/64440S 64447 ECO | 20353070/40219650 (30 W) 20354770/40218950 (45 W) 20355470/40217250 20356170 | - | - - - - - |
| Fluorescent lamp | os | | | | LumiluxT5 | Master | T5 FHO Luxline Plus | |
| | G 5 G 5 | T 16 T 16 | 24 W 39 W | 2000/1750 lm 3500/3100 lm | HO 24 W HO 39 W | TL5 HO 24 W TL5 HO 39 W | FHO 24 W FHO 39 W | F24/T5//WM F39/T5//WM |
| | 2 GX 13 2 GX 13 2 GX 13 2 GX 13 | T16R T16R T16R T16R | 22 W 40 W 55 W 60 W | 1900/1800 lm 3400/3300 lm 4200 lm 5000 lm | FC 22 W FC 40 W FC 55 W | TL5 C 22 W TL5 C 40 W TL5 C 55 W TL5 C 60 W | - | = - = - |
| Compact fluores | cent lamps | | | | Dulux | Master | Lynx | |
| * | G 23 | TC-S | 9 W | 600 lm | S 9 W | PL-S 9 W/2P | S 9 W | F9BX/ |
| = | G 24 d-1 G 24 d-1 G 24 d-2 G 24 d-3 | TC-D TC-D TC-D TC-D | 10 W 13 W 18 W 26 W | 600 lm 900 lm 1200 lm 1800 lm | D 10 W D 13 W D 18 W D 26 W | PL-C 10 W/2P PL-C 13 W/2P PL-C 18 W/2P PL-C 26 W/2P | D 10 W D 13 W D 18 W D 26 W | F10DBXT4/ F13DBXT4/ F18DBXT4/ F26DBXT4/ |
| | GX 24 d-1 GX 24 d-2 GX 24 d-3 | TC-T TC-T TC-T | 13 W 18 W 26 W | 900 lm 1200 lm 1800 lm | T 13 W/Plus T 18 W/Plus T 26 W/Plus | PL-T 13 W/2P PL-T 18 W/2P PL-T 26 W/2P | T 18 W T 26 W | F13TBX//A/2P F18TBX//A/2P F26TBX//A/2P |
| 1 8 | 2G11 2G11 2G11 2G11 2G11 2G11 | TC-L TC-L TC-L TC-L TC-L TC-L | 18 W 24 W 36 W 40 W 55 W 80 W | 1200 lm 1800 lm 2900 lm 3500 lm 4800 lm 6500/6000 lm | L 18 W L 24 W L 36 W L 40 W L 55 W L 80 W | PL-L 18 W/4P PL-L 24 W/4P PL-L 36 W/4P PL-L 40 W/4P PL-L 55 W/4P PL-L 80 W/4P | L 18 W L 24 W L 36 W LE 40 W LE 55 W | F18BX/ F24BX/ F36BX/ F40BX/ F55BX/ F80BX/ |
| | 2 G 10 | TC-F | 36 W | 2800 lm | F 36 W | = | F 36 W | - |
| : | 2 G 7 2 G 7 | TC-SEL TC-SEL | 9 W 11 W | 600 lm 900 lm | S/E 9 W S/E 11 W | PL-S 9 W/4P PL-S 11 W/4P | SE 9 W SE 11 W | F9BX//4P F11BX//4P |
| = 8 | G 24 q-1 G 24 q-1 G 24 q-2 G 24 q-3 | TC-DEL TC-DEL TC-DEL TC-DEL | 10 W 13 W 18 W 26 W | 600 lm 900 lm 1200 lm 1800 lm | D/E 10 W D/E 13 W D/E 18 W D/E 26 W | PL-C 10 W/4P PL-C 13 W/4P PL-C 18 W/4P PL-C 26 W/4P | DE 10 W DE 13 W DE 18 W DE 26 W | F10DBX//4P F13DBX//4P F18DBX//4P F26DBX//4P |
| ₫ | GX 24 q-1 GX 24 q-2 GX 24 q-3 GX 24 q-3 GX 24 q-4 GX 24 q-5 | TC-TEL TC-TELI TC-TELI TC-TELI TC-TELI TC-TELI TC-TELI | 13 W 18 W 26 W 32 W 42 W 57 W | 900 lm 1200 lm 1800 lm 2400 lm 3200 lm 4300 lm | T/E 13 W/Plus T/E 18 W T/E 26 W T/E 32 W T/E 42 W | PL-T 13 W/4P PL-T TOP 18 W/4P PL-T TOP 26 W/4P PL-T TOP 32 W/4P PL-T TOP 42 W/4P PL-T TOP 57 W/4P | TE 18 W TE 26 W TE 32 W TE 42 W | F13TBX//A/4P F18TBX//A/4P F26TBX//A/4P F32TBX//A/4P F42TBX//A/4P F57QBX//A/4P/LL |
| Metal halide disc | charge lamps | | | | | | | |
| | E 27 E 27 E 27 E 27 | HIE-CE HIE-CE HIE-CE HIE-CE | 35 W 70 W 100 W 150 W | 3200 lm 6700 lm 8500 lm 13700 lm | HCI-E/P 35/ HCI-E/P 70/ HCI-E/P 100/ HCI-E/P 150/ | - | - | CMH70//E27/D CMH100//E27/D CMH150//E27/D |
| 11-3 | GU 6.5 G 8.5 G 8.5 | HIT-TC-CE HIT-TC-CE HIT-TC-CE | 20 W 35 W 70 W | 1700 lm 3500 lm 6900 lm | HCI-TF 20/ HCI-TC 35/ HCI-TC 70/ | – Master Colour CDM-TC 35 W/ Master Colour CDM-TC 70 W/ | Superia CMI-TC 35 W Superia CMI-TC 70 W | CMH20/TC/UVC//GU 6,5 CMH35/TC/UVC/U//G 8,5 CMH70/TC/UVC/U//G 8,5 |
| Sodium vapour o | discharge lam | ps | | | | | | |
| 4 D | GX12-1 GX12-1 | HST-CRI HST-CRI | 50 W 100 W | 2400 lm 4900 lm | = | Master SDW-TG Mini 50 W Master SDW-TG Mini 100 W | _ | = |

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Catalogue of Luminaires 59 · 2011 - 2013

The LIMBURG catalogue is a working document for all light planners and designers. It provides information on technical and lighting data for well over 2000 luminaires, their possible areas of application and their constructive and design qualities.

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