PLUG-IN

INDIVIDUAL WISHES INCLUDED.

PLUG-IN is a delicate, versatile 12 V plug connector system. Much like the principle of plug and plug socket, the PLUG-IN luminaires are connected to the corresponding plug sockets. The plug connection can be detached at any time and allows for combination of the luminaires any way you like.

Depending on the installation situation and planned electrical installation, the system offers a wide variety of optical possibilities. High quality designer housing is intended for surface mounted installation. With an integrated transformer and up to five plug-in slots, the housing allows for the individual combination of single luminaires.

Plug sockets for recessed installation in suspended ceilings offer the option of designing individually tailored lighting concepts. PLUG-IN luminaires are offered with a variety of lighting technologies. Both LED and halogen luminaires are available to choose from.

The PLUG-IN system creates decorative accents and is recommended for use both in private living space and for the shop and property sector. It can be individually configured for any lighting requirements imaginable.

Design: Ralf Keferstein

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PLUG-IN
LUMINAIRE OVERVIEW
Low voltage plug connector system

LED LUMINAIRES

Spotlights

<table>
<thead>
<tr>
<th>Light</th>
<th>Reference</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>RIDGE MAX</td>
<td>Page 342</td>
<td></td>
</tr>
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<td>RIDGE</td>
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<td>A LITTLE BIT MORE</td>
<td>Page 346</td>
<td></td>
</tr>
<tr>
<td>A LITTLE BIT</td>
<td>Page 347</td>
<td></td>
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</table>

Pendant luminaires

<table>
<thead>
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<th>Reference</th>
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<tbody>
<tr>
<td>BOURBON</td>
<td>Page 361</td>
<td></td>
</tr>
<tr>
<td>A LITTLE BIT</td>
<td>Page 363</td>
<td></td>
</tr>
</tbody>
</table>
LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlights

- LP 111
  - Page 349
- IXION
  - Page 349
- GATE B FIVE
  - Page 351
- STREAM 51
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Room lights

- BENE DICT
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Pendant luminaires

- BALINO
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PLUG-IN
ONE SYSTEM, MANY OPTIONS

INSTALLATION
recessed in the ceiling

INSTALLATION
Surface mounted

ADAPTERS
Recessed system
SHOP

INSTALL QUICKLY AND SAFELY

The installation of PLUG-IN luminaires is remarkably simple. Thanks to the plug connection, the luminaires can be put into operation quickly and conveniently.

Once plugged into the two-pole socket, the luminaire is mechanically secured against detaching by the ridged sleeve. At the same time, precise swivelling is thus ensured for the system spotlights.

THE PLUG-IN INSTALLATION METHODS

Depending on the area of application, there are two installation methods:

– Recessed installation with external transformer in suspended ceilings / cavity walls

– Surface mounted variant in the form of a ceiling canopy with integrated transformer on wall or ceiling surfaces.

The coaxial cable provided in the factory for pendant luminaires is always two metres long and can be shortened at the plug as you wish.
The luminaire range from the 12 V PLUG-IN system can be combined with a wide range of other OLIGO track and cable systems using a variety of adapter technology. The luminaires can be integrated into high voltage track systems using the PHASE-IN and CONTACT-TUBE adapter systems.

The READY-IN and LIGHT-IN adapters allow for combination with the delicate 12 volt track and cable systems from OLIGO.
RIDGE MAX

The distinctive cooling ribs around the circumference characterise the design of the highly efficient RIDGE MAX LED spotlight. The luminaire head, made from aluminium, surrounds the 1,200 lumen LED and is connected to the adapter by a joint which tilts and swivels. There are two light distribution characteristics available to choose from for lighting planning. The black and matt chrome surfaces have a remarkable surface finish thanks to an intricate grinding pattern.

Design: OLIGO

FEATURES
Spotlight
Rotatable / swivelling
High performance reflector
Non-dimmable

Output data
12 V / LED / 3500 K / 1200 lm / 15 W AC / 15 W DC / 26 or 43° / CRI >80
Energy efficiency class: A+

Material
Aluminium

Weight
0.5 kg

Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION

Light distribution

COLOURS
Matt chrome / Matt chrome
Matt white / Matt white
Chrome / Matt black

PRODUCT

<table>
<thead>
<tr>
<th>Type</th>
<th>lm</th>
<th>W</th>
<th>Angle</th>
<th>Adapter</th>
<th>Body colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>1200</td>
<td>15</td>
<td>26°</td>
<td>Matt chrome, Matt chrome</td>
<td>13-881-11-06</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chrome, Matt white</td>
<td>13-881-10-21</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Matt chrome, Matt white</td>
<td>13-881-11-21</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Matt white, Matt white</td>
<td>13-881-12-21</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Chrome, Matt black</td>
<td>13-881-10-23</td>
<td></td>
</tr>
<tr>
<td>LED</td>
<td>1200</td>
<td>15</td>
<td>43°</td>
<td>Matt chrome, Matt chrome</td>
<td>13-881-31-06</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chrome, Matt white</td>
<td>13-881-30-21</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Matt chrome, Matt white</td>
<td>13-881-31-21</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Matt white, Matt white</td>
<td>13-881-32-21</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Chrome, Matt black</td>
<td>13-881-30-23</td>
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</tr>
</tbody>
</table>
The RIDGE LED spotlight is a little more delicate than its big brother. The high quality luminaire head made from aluminium has the same rotating and tilting functionality. With a luminous flux of 360 lumen, RIDGE is ideal for universal use in private living spaces, for example in studies, hallways or modern living and dining rooms. For RIDGE too, the black and matt chrome surfaces are refined with an intricate grinding pattern.

Design: OLIGO

**FEATUR**

**Spotlight**
Rotatable / swivelling
High performance reflector
Non-dimmable

**Output data**
12 V / LED / 3000 K / 360 lm / 10.3 W AC / 7.6 W DC / 41° / CRI >85
Energy efficiency class: A

**Material**
Aluminium

**Weight**
0.2 kg

**Installation**
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

**TECHNICAL INFORMATION**

**Light distribution**

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<td>3</td>
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**COLOURS**

- Chrome / Matt white
- Matt white / Matt white
- Chrome / Matt black

**PRODUCT**

<table>
<thead>
<tr>
<th>Type</th>
<th>lm</th>
<th>K</th>
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<tr>
<td>LED</td>
<td>360</td>
<td>3000</td>
<td>10.3 AC / 7.6 DC</td>
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<table>
<thead>
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<th>Body colour</th>
<th>Item number</th>
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<tr>
<td>Matt chrome</td>
<td>Matt chrome</td>
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<tr>
<td>Chrome</td>
<td>Matt black</td>
<td>13-889-11-23</td>
</tr>
</tbody>
</table>
12 V plug connection system PLUG-IN
12 V plug connection system PLUG-IN

A LI I LE BIT with IN-B socket
A LITTLE BIT MORE

The A LITTLE BIT MORE LED spotlight offers outstanding lighting technology with individually definable light distribution characteristics. With a luminous flux of 1,100 lumen and 3,500 kelvin, the spotlight is intended for use in shops and property. The beam angle can be continuously adjusted between 20° and 60° using the focusable glass lens. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside.

Design: OLIGO

**FEATURES**

*Spotlight*
- Rotatable / swivelling
- Beam angle continuously adjustable between 20° and 60°
- Non-dimmable

*Output data*
- 12 V / LED / 3500 K / 1100 lm / 11.5 W AC / 11.5 W DC / 20° - 60° / CRI >80
- Energy efficiency class: A+

*Material*
- Aluminium, glass lens

*Weight*
- 0.6 kg

*Installation*
- Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

**TECHNICAL INFORMATION**

**Light distribution**
- 20°
- 60°

<table>
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<tr>
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<td>3</td>
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</table>

**COLOURS**

- Chrome / Chrome
- Matt chrome / Matt chrome
- Matt white / Matt white
- Chrome / Matt black

**PRODUCT**

<table>
<thead>
<tr>
<th>Type</th>
<th>lm</th>
<th>W</th>
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<th>Body colour</th>
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<td>Matt chrome</td>
<td>Matt chrome</td>
<td>13-882-11-06</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chrome</td>
<td>Matt white</td>
<td>13-882-10-21</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Matt white</td>
<td>Matt white</td>
<td>13-882-12-21</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chrome</td>
<td>Matt black</td>
<td>13-882-10-23</td>
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<td></td>
<td></td>
<td>Matt black</td>
<td>Matt black</td>
<td>13-882-13-23</td>
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</tbody>
</table>
A LITTLE BIT

The A LITTLE BIT LED spotlight is slightly smaller in terms of size and light output, but just as variable when it comes to the light scene. Like its big brother, A LITTLE BIT also has efficient LED lighting technology, the qualities of which can be determined by means of a continuously adjustable lens. Different rod lengths also allow for different distances from the ceiling. A pendant luminaire matching this spotlight design is also available.

Design: OLIGO

**FEATURES**

**Spotlight**
- Rotatable / swivelling
- 50 or 140 mm rod
- Beam angle continuously adjustable between 20° and 60°
- Non-dimmable

**Output data**
- 12 V / LED / 3000 K / 360 lm / 10.3 W AC / 7.6 W DC / 20° - 60°
- CRI >85
- Energy efficiency class: A

**Material**
- Aluminium, glass lens

**Weight**
- 0.3 kg

**Installation**
- Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

**TECHNICAL INFORMATION**

**Light distribution**

<table>
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<th>h (m)</th>
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<td>2</td>
<td>0.60</td>
<td>379</td>
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<td>3</td>
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<td>60°</td>
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<tr>
<td>1</td>
<td>1.21</td>
<td>346</td>
</tr>
<tr>
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<td>2.42</td>
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<td>3</td>
<td>3.63</td>
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</table>

**COLOURS AND VARIANTS**

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<th>PRODUCT</th>
<th>50 mm rod</th>
<th>140 mm rod</th>
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<tbody>
<tr>
<td>Type</td>
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</tr>
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<td>Im</td>
<td>360</td>
<td>360</td>
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<tr>
<td>K</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>W</td>
<td>10.3 AC / 7.6 DC</td>
<td>10.3 AC / 7.6 DC</td>
</tr>
<tr>
<td>Colour</td>
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<td>Item number</td>
<td>13-898-22-06</td>
<td>13-898-32-06</td>
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</table>
12 V plug connection system PLUG-IN

LP 111 with 3-Way transformer
LP 111

The rotatable and swivelling luminaire head of the LP 111 spotlight allows for precise lighting of a wide variety of objects and surfaces, even from large distances. LP 111 is suitable for the use of halogen and LED retrofit lamps and fulfil the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein

---

IXION

The luminaire head of the IXION spotlight is dominated by the QR-LP 111 lamp and gives this spotlight a distinctive, technical appearance. IXION is also suitable for the use of LED retrofits.

Design: Ralf Keferstein

---

**FEATURES**

**SPOTLIGHT**
Rotatable / swivelling

**OUTPUT DATA**
12 V / G 53 / QR-LP 111 max. 50 W
Energy efficiency class: A to C

**MATERIAL**
Metal

**WEIGHT**
0.3 kg

---

**PRODUCT**

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>G 53 / QR-LP 111</td>
<td>max. 50</td>
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</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
GATE B FIVE

Compact dimensions in a technical and elegant design have made GATE B FIVE a timeless classic in private and commercial halogen lighting in many countries. The spotlight is also suitable for the use of LED retrofits. The shape and light scene can be varied using decorative rings and other accessories.

Design: Ralf Keferstein

<table>
<thead>
<tr>
<th>FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spotlight</td>
</tr>
<tr>
<td>Rotatable / swivelling</td>
</tr>
<tr>
<td>50 or 90 mm rod</td>
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</table>

<table>
<thead>
<tr>
<th>TECHNICAL INFORMATION</th>
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<tbody>
<tr>
<td>Luminaire</td>
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<tr>
<td>GATE B TUBE glass shade</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>GATE B TUBE</td>
</tr>
<tr>
<td>S 1 glass cap</td>
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</table>

<table>
<thead>
<tr>
<th>PRODUCT</th>
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<tbody>
<tr>
<td>Luminaire</td>
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<table>
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<th>Length (mm)</th>
<th>Colour</th>
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<tr>
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</table>

Lamps from page 463, accessories from page 473

<table>
<thead>
<tr>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GATE B TUBE glass shade accessory</td>
</tr>
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</table>

<table>
<thead>
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<th>Colour</th>
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</thead>
<tbody>
<tr>
<td>Partial satin finish</td>
<td>62-111-11-01</td>
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</table>
STREAM 51

The design of the STREAM 51 spotlight looks both dynamic and elegant. The elaborately manufactured luminaire head made from aluminium surrounds the halogen lamp and gives the luminaire an aesthetic design. Fine surfaces in bright chrome or matt chrome round out the optical merits of STREAM 51. There is a subtle spike on the underside which can be used to adjust the luminaire, even during use.

Design: Ralf Keferstein

FEATURES

Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-C 51 max. 50 W
Energy efficiency class: A+ to C
“Cool beam” lamps not permissible

Material
Aluminium

Weight
0.3 kg

TECHNICAL INFORMATION

COLOURS

Chrome  Matt chrome  Matt chrome, Chrome front ring

IN-D socket

Lamps from page 463
MATCH

The timeless design of MATCH is optimised for combination with LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: OLIGO

FEATURES

Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-CBC S1 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

Weight
0.2 kg

TECHNICAL INFORMATION

COLOURS AND ACCESSORIES

Chrome  Matt chrome  R 2 decorative ring

PRODUCT

<table>
<thead>
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<th>Type</th>
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<tbody>
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</tbody>
</table>

Lamps from page 463, accessories from page 473
12 V plug connection system PLUG-IN

MX-2 with KEY transformer and R 2 decorative ring accessory
**MX-2**

The rotatable and swivelling head of the MX-2 spotlight is characterised by a stainless steel bracket on the back. While the slim body remains visually inconspicuous, it provides effective accent lighting for materials and objects. MX-2 is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein

---

**FEATURES**

**Spotlight**
Rotatable / swivelling

**Output data**
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

**Material**
Metal

**Weight**
0.1 kg

---

**TECHNICAL INFORMATION**

---

**ACCESSORIES**

S 1 glass cap

---

**PRODUCT**

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
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</thead>
<tbody>
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</tr>
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</table>

Lamps from page 463, accessories from page 473

IN-B socket and R 2 decorative ring accessory
12 V plug connection system PLUG-IN
BENE DICT

The satin finished glass shade of the timeless BENE DICT causes diffuse light refraction and makes a softly glowing tube of the room light. The circumferential ring is both an exciting design element and the invisible mounting for the shade. A pendant luminaire matching BENE DICT is available.

Design: Ralf Keferstein

HIGH FLIGHT

NIGHT FLIGHT is both a decorative lighting element and a room light with a fascinating light scene. The temperature-resistant dissipative film ensures soft and homogeneous general lighting. Different rod lengths allow for variable distances from the ceiling.

Design: Ralf Keferstein

FEATURES

Ambient light

Output data
12 V / GY 6.35 / QT- LP 12 max. 35 W
Energy efficiency class: A++ to C

Material
Aluminium, borosilicate glass

Weight
0.3 kg

TECHNICAL INFORMATION

Ambient light
Rotatable / swivelling 40 or 120 mm rod

Output data
12 V / GY 6.35 / QT- LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, plastic, temperature-resistant film

Weight
0.2 kg

VARIANTS

40 mm 120 mm

Lamps from page 463

* New in the range
12 V plug connection system PLUG-IN
CHARLES

The elegant and artistic handling of temperature-resistant dissipative film makes the CHARLES a decorative element which generates harmonious and soft room light. CHARLES cuts an effective and dapper figure both individually and in a swarm.

Design: Ralf Keferstein

FEATURES

Ambient light

Output data
12 V / CY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, temperature-resistant film, suspension flexible coaxial cable

Weight
0.3 kg

TECHNICAL INFORMATION

PRODUCT

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CY 6.35 / QT-LP 12</td>
<td>max. 50</td>
<td>13-986-10-05</td>
</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
BOURBON

The shape of the satin finished glass shade is instantly reminiscent of a good glass of whiskey and is responsible for the naming of the LED pendant luminaire. The distinctive heat sink made from aluminium is an exciting contrast to the soft glass colours and has a touch dimmer integrated into the top for brightness control.

Design: OLIGO

FEATURES

Pendant luminaire
Can be shortened
Dimmer button
Memory function: Last light brightness value used is saved

Output data
12 V / LED / 3000 K / 330 lm / 10.3 W AC / 7.6 W DC / CRI >85
Energy efficiency class: A

Material
Aluminium, hand-blown glass

Weight
0.3 kg

Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION

Special length
Suspension up to 5 m long available upon request.

Light distribution

<table>
<thead>
<tr>
<th>h (m)</th>
<th>Ø (m)</th>
<th>Lux</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.40</td>
<td>284</td>
</tr>
<tr>
<td>2</td>
<td>2.90</td>
<td>71</td>
</tr>
<tr>
<td>3</td>
<td>4.3</td>
<td>32</td>
</tr>
</tbody>
</table>

COLOURS

Matt white / Matt white
Matt chrome / Bright green
Matt chrome / Bright blue
Matt chrome / Bright orange

PRODUCT

Heat sink matt white

<table>
<thead>
<tr>
<th>Type</th>
<th>lm</th>
<th>K</th>
<th>W</th>
<th>Shade</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>330</td>
<td>3000</td>
<td>10.3 AC / 7.6 DC</td>
<td>Matt white</td>
<td>13-876-10-21/21</td>
</tr>
</tbody>
</table>

PRODUCT

Heat sink matt chrome

<table>
<thead>
<tr>
<th>Type</th>
<th>lm</th>
<th>K</th>
<th>W</th>
<th>Shade</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>330</td>
<td>3000</td>
<td>10.3 AC / 7.6 DC</td>
<td>Matt white</td>
<td>13-876-10-06/21</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bright green</td>
<td>13-876-10-06/35</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bright blue</td>
<td>13-876-10-06/37</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bright orange</td>
<td>13-876-10-06/29</td>
</tr>
</tbody>
</table>
The A LITTLE BIT pendant luminaire offers a highly flexible lighting solution. The elegant luminaire head made from aluminium integrates a lens which can be focused between 20° and 60°. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside. The pendant luminaire can be dimmed using a button on the top. Elegant surfaces made from polished or matt aluminium round out the luminaire profile of A LITTLE BIT.

Design: OLIGO

### FEATURES

- **Pendant luminaire**
  - Can be shortened
  - Beam angle continuously adjustable between 20° and 60°
- **Dimmer button**
- **Memory function**: Last light brightness value used is saved

### TECHNICAL INFORMATION

- **Output data**
  - 12 V / LED / 3000 K / 360 lm / 10.3 W AC / 7.6 W DC / 20° – 60° / CRI >85
  - Energy efficiency class: A
- **Material**
  - Aluminium
- **Weight**
  - 0.2 kg
- **Installation**
  - Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

### COLOURS

- **Chrome**
- **Matt chrome**

### OUTPUT DATA

<table>
<thead>
<tr>
<th>Type</th>
<th>lm</th>
<th>K</th>
<th>W</th>
<th>Colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>360</td>
<td>3000</td>
<td>10.3 AC / 7.6 DC</td>
<td>Chrome</td>
<td>13-898-12-05</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Matt chrome</td>
<td>13-898-12-06</td>
</tr>
</tbody>
</table>
BALINO

Hand-blown crystal glass forms the luminaire body of the small, spherical BALINO pendant luminaire. In the bright white, satin finished and orange models, the glass body is solidly coloured. For the tobacco and gold colours, the exclusive finishing with a crystal ice pattern on the interior of the lampshade creates a unique texture. Brilliant illumination highlights the charming lighting effect of this high quality pendant luminaire, which is available with a variety of shades. It is also available as a wall luminaire in the same design.

Design: OLIGO

FEATURES

- Pendant luminaire
  Can be shortened

OUTPUT DATA

- 12 V / GY 6.35 / QT-LP 12 max. 35 W
- Energy efficiency class: A++ to C

MATERIAL

- Metal, glass

WEIGHT

- 1.1 kg

COLOURS

- Chrome / Satin finish
- Matt chrome / Satin finish
- Chrome / Bright orange
- Matt black / Bright orange
- Matt chrome / Bright tobacco
- Matt black / Bright tobacco
- Matt chrome / Bright gold
- Matt black / Bright gold

PRODUCT

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Cover colour</th>
<th>Glass colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 6.35</td>
<td>max.</td>
<td>Chrome Satin finish</td>
<td>Chrome Satin finish</td>
<td>13-880-10-05/03</td>
</tr>
<tr>
<td>QT-LP 12</td>
<td>35 W</td>
<td>Matt chrome Satin finish</td>
<td>Matt chrome Satin finish</td>
<td>13-880-10-06/03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Matt chrome Bright gold</td>
<td>Matt chrome Bright gold</td>
<td>13-880-10-06/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Matt black Bright gold</td>
<td>Matt black Bright gold</td>
<td>13-880-10-23/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chrome Bright orange</td>
<td>Chrome Bright orange</td>
<td>13-880-10-05/29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Matt black Bright orange</td>
<td>Matt black Bright orange</td>
<td>13-880-10-23/29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Matt chrome Bright tobacco</td>
<td>Matt chrome Bright tobacco</td>
<td>13-880-10-06/40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Matt black Bright tobacco</td>
<td>Matt black Bright tobacco</td>
<td>13-880-10-23/40</td>
</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
Timeless GRACE numbers among the classics of decorative pendant luminaires worldwide. It is ideal for setting the scene at tables or counters. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. The elegant surfaces in bright chrome or brushed aluminium completely round out the GRACE profile.

Design: Ralf Keferstein

**FEATURES**

- Pendant luminaire
- Can be shortened
- Toolless lamp change

**Output data**

- 12 V / GY 6.35 / QT-LP 12 max. 50 W
- Energy efficiency class: A++ to C

**Material**

- Aluminium, glass

**Weight**

- 0.6 kg

**TECHNICAL INFORMATION**

- Special length
- Suspension up to 5 m long available upon request.

**Installation**

- The lamp can be changed without any tools.

**COLOURS AND VARIANTS**

- Chrome
- Brushed aluminium

**PRODUCT**

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 6.35 / QT-LP 12</td>
<td>max. 50</td>
<td>Chrome</td>
<td>13-931-10-05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brushed aluminium</td>
<td>13-931-10-12</td>
</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
PULL-IT

The attractive glass shade in combination with the distinctive metal cylinder characterises the PULL-IT pendant luminaire and ensures an unmistakeable appearance. The hand-blown glass diffuser directs the light onto the table and at the same time provides pleasant general lighting in the room. In the model with transparent glass shade, the reflector insert directs all of the light onto the table top.

Design: Ralf Keferstein

<table>
<thead>
<tr>
<th>FEATURES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pendant luminaire</td>
<td>Can be shortened</td>
</tr>
<tr>
<td>Output data</td>
<td>12 V / GY 6.35 / QT-1P 12 max. 50 W</td>
</tr>
<tr>
<td>Energy efficiency class: A++ to C</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>Metal, hand-blown glass</td>
</tr>
<tr>
<td>Weight</td>
<td>1.1 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TECHNICAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 140 mm</td>
</tr>
<tr>
<td>Special length Suspension up to 5 m long available upon request.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COLOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matt chrome / Matt white</td>
</tr>
<tr>
<td>Matt chrome / Transparent</td>
</tr>
<tr>
<td>Chrome / Bright black</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>GY 6.35 / QT-1P 12</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Lamps from page 463
The satin finished glass of the lampshade causes diffuse light refraction and makes a softly glowing tube of the BENE pendant luminaire. The circumferential ring is both an exciting design element and the invisible mounting for the shade. A room light matching this pendant luminaire is also available. The luminaires can be fitted with energy-efficient low voltage halogen lamps.

Design: Ralf Keferstein

**FEATURES**

- Pendant luminaire
  - Can be shortened
  - 120 or 250 mm shade length

- Output data
  - Glass shade:
    - 12 V / GY 6.35 / QT-LP 12 max. 50 W
    - Energy efficiency class: A++ to C

- Material
  - Aluminium, glass

- Weight
  - With 120 mm shade: 0.2 kg
  - With 250 mm shade: 0.4 kg

**TECHNICAL INFORMATION**

- Special length
  - Suspension up to 5 m long available upon request.

**VARIANTS**

- 120 mm
- 250 mm

**PRODUCT**

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>mm</th>
<th>Colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 6.35 / QT-LP 12</td>
<td>max. 50</td>
<td>120</td>
<td>Matt white</td>
<td>13-935-10-06/21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250</td>
<td>Matt white</td>
<td>13-935-11-06/21</td>
</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
The elegantly shaped shade made from crystal glass gives the BALIBU pendant luminaire a light and timeless appearance. The hand-blown, satin finished glass shade makes each luminaire a unique item. There are four different glass colours to choose from. The light scene of the BALIBU varies according to the choice of lamp. With its possibility of creating effective atmospheres, the BALIBU often plays to its strengths in the property environment of hotels, restaurants or businesses.

Design: Ralf Keferstein

### BALIBU

The elegantly shaped shade made from crystal glass gives the BALIBU pendant luminaire a light and timeless appearance. The hand-blown, satin finished glass shade makes each luminaire a unique item. There are four different glass colours to choose from. The light scene of the BALIBU varies according to the choice of lamp. With its possibility of creating effective atmospheres, the BALIBU often plays to its strengths in the property environment of hotels, restaurants or businesses.

Design: Ralf Keferstein

### FEATURES

**Pendant luminaire**
- Can be shortened

**Output data**
- Satin finished shade:
  - 12 V / GY 6.35 / QT-LP 12 max. 50 W
  - Energy efficiency class: A++ to C
- Partial satin finished shade:
  - 12 V / GU 5.3 / QR-CBC 51 max. 50 W
  - Energy efficiency class: A+ to C

**Material**
- Aluminium, hand-blown crystal glass, white interior, opalised matt or clear partial satin finished exterior

**Weight**
- 0.4 kg

### TECHNICAL INFORMATION

**Special length**
- Suspension up to 5 m long available upon request.

### COLOURS AND VARIANTS

- Matt white finish
- Pineapple
- Melon
- Partial satin finish

### PRODUCT

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 6.35 / QT-LP 12</td>
<td>max. 50</td>
<td>Matt white</td>
<td>13-991-10-06/21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pineapple</td>
<td>13-991-10-06/32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Melon</td>
<td>13-991-10-06/28</td>
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<tr>
<td>GU 5.3 / QR-CBC 51</td>
<td>max. 50</td>
<td>Partial satin finish</td>
<td>13-991-11-06/02</td>
</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
DONATA

A conically shaped shade made from satin finished glass defines the restrained design of the DONATA pendant luminaire. It reflects the light and ensures even lighting in the room. DONATA is suitable for the use of energy-efficient low-voltage halogen lamps.

Design: Ralf Keferstein

FEATURES

Pendant luminaire
Can be shortened

Output data
12 V / GY 6.35 / QT-IP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Aluminium, borosilicate glass

Weight
0.4 kg

TECHNICAL INFORMATION

Special length
Suspension up to 5 m long available upon request.

COLOURS

Matt white
Champagne

PRODUCT

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 6.35 / QT-IP 12</td>
<td>max. 50</td>
<td>Matt white</td>
<td>13-909-20-06/21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Champagne</td>
<td>13-909-20-06/42</td>
</tr>
</tbody>
</table>

Lamps from page 463
12 V plug connection system PLUG-IN
COCO

The slim and narrowly tapered glass of the COCO pendant luminaire allows it to become an elegant luminaire with a soft, homogeneous light scene. Four different glass colours for the lampshade open up a multitude of design possibilities. COCO can be fitted with energy-efficient low voltage halogen lamps.

Design: Ralf Keferstein

FEATURES

Pendant luminaire
Can be shortened

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, hand-blown glass

Weight
0.4 kg

TECHNICAL INFORMATION

Material
Metal, hand-blown glass

Weight
0.4 kg

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Special length
Suspension up to 5 m long available upon request.

COLOURS AND VARIANTS

Matt white  Pineapple  Melon  Matt red

PRODUCT

<table>
<thead>
<tr>
<th>Type</th>
<th>W</th>
<th>Shade colour</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 6.35 / QT-LP 12</td>
<td>max. 50</td>
<td>Matt white</td>
<td>13-983-10-06/21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pineapple</td>
<td>13-983-10-06/32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Melon</td>
<td>13-983-10-06/28</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Matt red</td>
<td>13-983-10-06/25</td>
</tr>
</tbody>
</table>

Lamps from page 463
PLUG-IN
SYSTEM COMPONENTS

12 V / max. 5 A

The components in a point system vary according to the situation in which it is used and the customer’s individual requirements. The following summary offers an overview of the various options for the adapter.
EXAMPLES OF ADAPTATIONS

A  Design housing for surface-mounted installation
B  Plug socket for recessed installation
C  Adapter for 12 V READY FOR TAKE OFF track system
D  Adapter for 230 V CHECK-IN track system
E  Modular unit for adaptation in the SHOP system

SYSTEM COLOURS

- Chrome
- Matt chrome
12 V plug connection system PLUG-IN

CHABLES and GATE B 11V2 with K.31-5 transformer
TRANSFORMERS AND DC POWER SUPPLY UNITS

Options for combination of LED luminaires and various lamp types with transformers and DC power supply units

<table>
<thead>
<tr>
<th>Magnetic transformer</th>
<th>VA</th>
<th>Catalogue page</th>
<th>LED luminaires</th>
<th>Retrofit lamps</th>
<th>Conventional lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCAL-A</td>
<td>1x 50</td>
<td>385</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>external, e.g. MT 1 with sockets, e.g. IN-B</td>
<td>105 / ... / 400</td>
<td>478</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
</tbody>
</table>

Electronic transformer

<table>
<thead>
<tr>
<th></th>
<th>Catalogue page</th>
<th>LED luminaires</th>
<th>Retrofit lamps</th>
<th>Conventional lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY</td>
<td>1x / ... / 5x 50</td>
<td>384</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WAY</td>
<td>2x / 3x 50</td>
<td>385</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>KEY WEST</td>
<td>1x / 2x 50</td>
<td>385</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>CONTACT TUBE</td>
<td>1x 60</td>
<td>386</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PHASE-IN</td>
<td>1x 60</td>
<td>386</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>external, e.g. ET 1 with sockets, e.g. IN-B</td>
<td>105 / 60</td>
<td>476</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12 V DC power supply unit

<table>
<thead>
<tr>
<th>CONTACT TUBE 12 V DC</th>
<th>Catalogue page</th>
<th>LED luminaires</th>
<th>Retrofit lamps</th>
<th>Conventional lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>external, e.g. DC 1 with sockets, e.g. IN-B</td>
<td>45 / 60</td>
<td>478</td>
<td>yes</td>
<td>yes</td>
</tr>
</tbody>
</table>

Permissible LED luminaire and lamp combinations with multiple PLUG-IN sockets on the same magnetic transformer

<table>
<thead>
<tr>
<th>LED luminaires</th>
<th>Retrofit lamps</th>
<th>Conventional lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED luminaires</td>
<td>yes</td>
<td>-</td>
</tr>
</tbody>
</table>

Retrofit lamps

<table>
<thead>
<tr>
<th>LED luminaires</th>
<th>Retrofit lamps</th>
<th>Conventional lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED luminaires</td>
<td>yes</td>
<td>yes *</td>
</tr>
</tbody>
</table>

Conventional lamps

<table>
<thead>
<tr>
<th>LED luminaires</th>
<th>Retrofit lamps</th>
<th>Conventional lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED luminaires</td>
<td>yes *</td>
<td>yes *</td>
</tr>
</tbody>
</table>

* In order to avoid negatively affecting the service life of conventional lamps during simultaneous operation of LED luminaires and/or retrofit lamps, a load of at least 70% of the specified maximum capacity of the transformer should be ensured.
SOCKETS
Plug sockets for external transformers and DC power supply units
12 V / max. 5 A / protection class 3

External transformers and 12 V DC power supply units from page 476
12 V plug connection system PLUG-IN

2. IN-B

2.3 Plug socket

Suitable for covering an inspection opening for installing small electrical transformers.

Ø 70 mm installation opening Ø 58 mm Only suitable for ceiling installation

Material Design
Metal Ralf Keferstein

Colour Item number
Chrome 14-402-12-05
Matt chrome 14-402-12-06
Matt white 14-402-12-21

3. IN-C

3.1 Plug socket

For front side screw mounting (visible)

Ø 40 mm Installation opening Ø 18 mm Only suitable for ceiling installation

Material Design
Metal Ralf Keferstein

Colour Item number
Chrome 14-403-10-05
Matt chrome 14-403-10-06
Matt white 14-403-10-21

3.2 Plug socket

For front side screw mounting (visible)

40 x 40 mm Installation opening Ø 18 mm

Material Design
Metal Ralf Keferstein

Colour Item number
Chrome 14-403-11-05
Matt chrome 14-403-11-06
Matt white 14-403-11-21

4. IN-D

4.1 Plug socket

Cover plate for ceiling lining, concealed mounting screws

Ø 100 mm Installation opening Ø 25 - 50 mm

Installation on standard concrete installation boxes possible

Material Design
Metal Ralf Keferstein

Colour Item number
Chrome 14-404-10-05
Matt chrome 14-404-10-06
Matt white 14-404-10-21

4.2 Plug socket

Cover plate for ceiling lining, concealed mounting screws

100 x 100 mm Installation opening Ø 25 - 50 mm

Installation on standard concrete installation boxes possible

Material Design
Metal Ralf Keferstein

Colour Item number
Chrome 14-404-11-05
Matt chrome 14-404-11-06
Matt white 14-404-11-21

5. IN-F

Plug socket

Surface mounted

Ø 72 x 24 mm Installation opening Ø 10 - 20 mm

Material Design
Metal Ralf Keferstein

Colour Item number
Chrome 14-405-10-05
Matt chrome 14-405-10-06
CANOPIES
Designer housing including transformer and plug sockets
230 – 240 V / 50 – 60 Hz / 12 V / protection class 1

6. KEY canopy

6.1 KEY-2
2x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

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6.2 KEY-3
3x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

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6.3 KEY-4
4x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

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6.4 KEY-5
5x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

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7. WAY canopy

7.1 2-WAY

2x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers
Chrome or brushed aluminium side faces, matt white or matt black body

Material Metal

L 780 x W 70 x H 45 mm

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7.2 3-WAY

3x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers
Chrome or brushed aluminium side faces, matt white or matt black body

Material Metal

L 1360 x W 70 x H 45 mm

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8. KEY WEST canopy

The housing is designed such that barely noticeable through-wiring of multiple KEY WESTs is possible.
The body and acrylic glass plates can be combined freely.
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with type C dimmers

Material Metal

Design Ralf Keferstein

<table>
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50 VA
SELV magnetic transformer
Compatible with "Type L" dimmers
Also suitable for 12 V luminaires with LED technology or LED retrofit lamps

Material Metal

Design Ralf Keferstein

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* New in the range
12 V plug connection system PLUG-IN

SYSTEM ADAPTER
for the integration of PLUG-IN luminaires into track, cable and recessed systems

10.230 V SYSTEM ADAPTER

10.1 PHASE-IN
1x 20 - 60 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers
Compatible with the PHASE track system
Material
Metal

<table>
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10.2 CONTACT TUBE
1x 35 - 60 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers
Compatible with the CHECK-IN track system
Material
Metal

<table>
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10. **230 V SYSTEM ADAPTER**

![Image](image1.png)

**10.3 CONTACT TUBE / 12 V DC (LED)**

1x 10 VA DC power supply unit
230 V / 50 - 60 Hz / 12 V DC
Suitable for 12 V luminaires with LED technology or 12 V DC retrofit lamps
Compatible with the CHECK-IN track system

**Material**
Metal

<table>
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11. **12 V SYSTEM ADAPTER**

![Image](image2.png)

**11.1 READY-IN**

max. 5 A
Compatible with the READY FOR TAKE OFF track system

**Material**
Metal

**Design**
Ralf Keferstein

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**11.2 LIGHT-IN**

max. 5 A
Compatible with the LIGHT-LINE cable system

**Material**
Metal

**Design**
Ralf Keferstein

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12. **SHOP RECESSED LUMINAIRES**

![Image](image3.png)

**MOD 3 adapter**

SHOP is a modular recessed spotlight range which also offers plugs for point luminaires, among other things

More information about SHOP: Page 417