

VARIOLINE LAMP

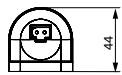
LED 021/022

LED 021
Movement sensor and
screw fixing

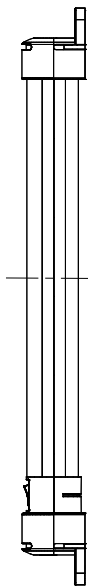
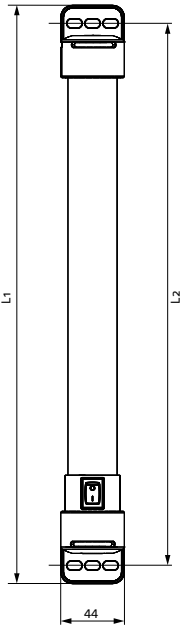
LED 022
On/off switch
and magnet fixing



LED 021/022
magnet or
screw fixing



LED 021/022
side view



LED 021 (Size 1)
L1 = 400 mm
L2 = 375 mm

LED 022 (Size 2)
L1 = 600 mm
L2 = 575 mm

- > High luminous flux
- > Integrated power unit
- > Durable and maintenance-free LED technology
- > Daisy chain
- > On/off switch or movement sensor
- > Magnet or screw fixing

The LED 021/022 Varioline is a powerful and compact LED lamp for use in enclosures. Its LED tube emits more than 1,000/1,700 Lm at only 11 W/16 W power consumption, thereby illuminating even very large enclosures in their full depth and height. The glare-free, 360° rotatable LED tube uses Mid-power LEDs with a service life of 60,000 h. The emitted daylight color of 6,500 K provides safety for the user by a natural and non-fading color reproduction.



TECHNICAL DATA

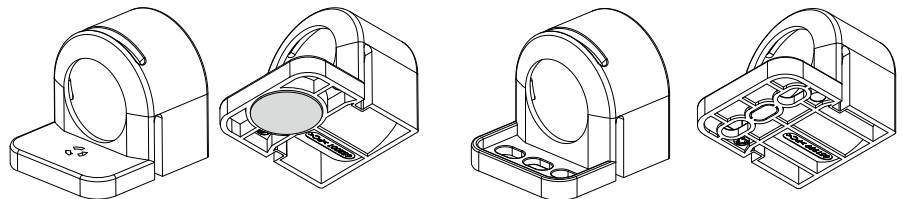
| | |
|----------------------------------|---|
| Power consumption | max. 11 W/16 W |
| Operating voltage | AC 100 – 240 V, 50/60 Hz (min. AC 90 V, max. AC 265 V) |
| Luminous flux | 1,080 Lm/1,730 Lm |
| Lamp type | LED, angle of radiation 120° light color: daylight, color temperature: 6,500 K |
| Service life | 60,000 h at +20 °C (+68 °F) |
| Connection | 2-pole connector with snap lock AC: max. 2.5 A / AC 240 V, color: white |
| Mounting | magnet fixing or screw fixing (M5), torque 2 Nm max. |
| Casing | plastic, translucent |
| Dimensions | see drawings |
| Weight | approx. 0.2 kg/0.3 kg |
| Operating/Storage temperature | -30 to +40 °C (-22 to +104 °F) / -40 to +85 °C (-40 to +185 °F) |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Protection type/Protection class | IP20 / II (double insulated) |

Mounting options: The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. A classic is the LED 021/022 with screw fixing. With a total rotation angle of 360° it provides perfect illumination.

Note: The lamp must not be used for household lighting.

View of magnet fixing

View of screw fixing



| Size 1: L1 = 400 mm | | Size 2: L1 = 600 mm | | Switch | Approvals |
|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------------|------------------------------|
| Art. No. Magnet fixing | Art. No. Screw fixing | Art. No. Magnet fixing | Art. No. Screw fixing | | |
| 02100.0-30 | 02100.0-00 | 02200.0-30 | 02200.0-00 | On/off switch | VDE submitted UL submitted |
| 02110.0-30 | 02110.0-00 | 02210.0-30 | 02210.0-00 | PIR movement sensor ¹ | VDE submitted UL submitted |
| 02120.0-30 | 02120.0-00 | 02220.0-30 | 02220.0-00 | without switching option | VDE submitted UL submitted |

¹ approx. 5 min. fixed switch-on duration

ACCESSORIES LED 021/022

Connectors and cables for electrical connection are not included in the delivery of the LED 021/022. These parts can be ordered separately. Sets, consisting of lamp and accessories, are available on request. Likewise, custom cables are available on request.

LAMP-SET WITH FEMALE CONNECTOR

▶ Varioline LED enclosure lamps are also available as a set including the connector Art. No. 264057. Simply add -0003 to the article number of the required lamp. For example: 02100.0-30-0003

FEMALE / MALE CONNECTORS



Photo: Male connector, Art. No. 264058



Photo: Female connector, Art. No. 264057

| Art. No. | Model | Voltage type | Color | Use for | Wire cross-section ³ | Approvals |
|----------|------------------|--------------|-------|--------------|-------------------------------------|-----------|
| 264058 | male connector | AC | white | power output | 0,5-2,5 mm ² (AWG 14-20) | VDE + UL |
| 264057 | female connector | AC | white | power input | 0,5-2,5 mm ² (AWG 14-20) | VDE + UL |

³ applies to rigid and stranded wire. Wire end ferrules must be used when connecting with stranded wires

CONNECTION CABLE WITH FEMALE CONNECTOR AND OPEN END



Photo: Connection cable, Art. No. 244356

| Art. No. | Model | Length | Voltage type | Color | Use for | Approvals ² |
|----------|--|--------|--------------|--------------------------------|-------------|------------------------|
| 244356 | connection cable 2 x 1.5 mm ² with female connector | 2.0 m | AC | connector: white; cable: white | power input | VDE |
| 244357 | connection cable 2 x AWG 16 with female connector | 2.0 m | AC | connector: white; cable: white | power input | VDE + UL |

² applies only to the individual components (cable and connectors)

EXTENSION CABLE WITH 2 CONNECTORS FOR DAISY CHAIN CONNECTION

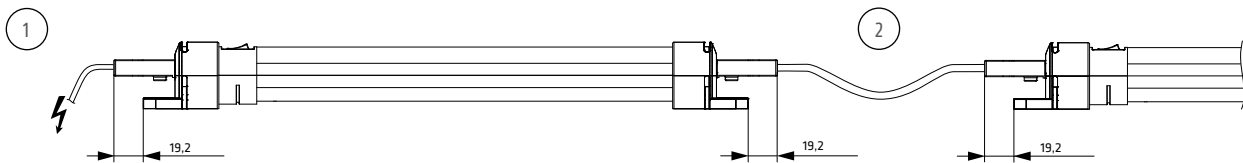


Photo: Extension cable, Art. No. 244358

| Art. No. | Model | Length | Voltage type | Color | Use for | Approvals ² |
|----------|---|--------|--------------|---------------------------------|-------------|------------------------|
| 244358 | extension cable 2 x 1.5 mm ² with 2 connectors | 1.0 m | AC | connectors: white; cable: white | daisy chain | VDE |
| 244359 | extension cable 2 x AWG 16 with 2 connectors | 1.0 m | AC | connectors: white; cable: white | daisy chain | VDE + UL |

² applies only to the individual components (cable and connectors)

CONNECTION EXAMPLE



This illustration shows the LED 021/022 lamp in a daisy chain application. The lamps are conveniently connected via connection plugs - up to 8 lamps max. can be daisy-chained this way. The snap lock connectors ensure a stable electrical connection even if subjected to heavy vibration. The connection example shows a AC 230 V application, using the following cables: connection cable with female connector, Art. No. 244356 (1); daisy chain extension cable with 2 connectors, Art. No. 244358 (2).

Female/male connectors are also available to assemble cables in non-standard lengths.