

LAMP

LED 025



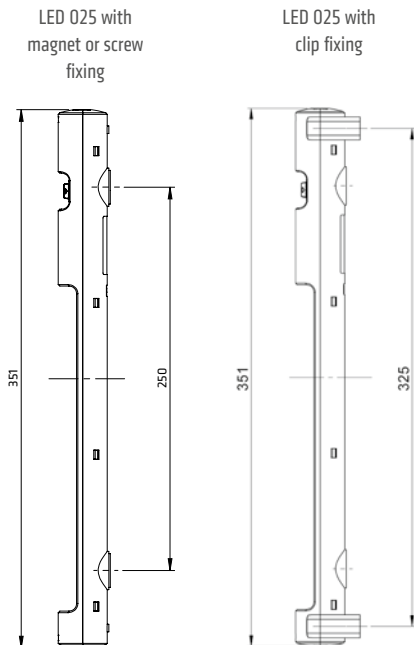
- > Wide voltage range
- > Integrated power unit
- > Long-lived and maintenance-free by LED technology
- > Daisy chain
- > On/off switch or movement sensor
- > Magnet, screw or clip fixing

The lamp series LED 025 is suitable for all types of panels and enclosures, especially where space is at a premium. The lamps have a very long service life thanks to the use of LED technology. Three different fixing options provide more flexibility for installation. The power output allows up to 10 lamps to be connected to each other (DC 12 V versions up to 5 lamps). Both the power input and output connectors snap lock into their sockets. With the integrated power unit and the plugs the lamp can quickly be connected.



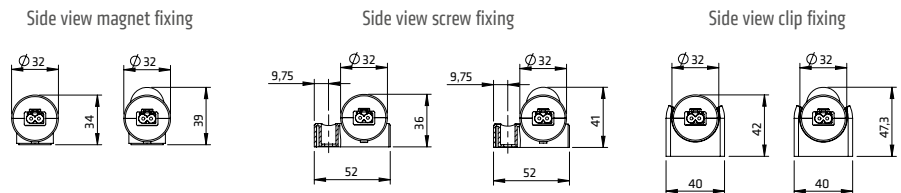
TECHNICAL DATA

| | |
|----------------------------------|---|
| Power consumption | max. 5 W |
| Luminous flux | 400 Lm at 120° |
| Lamp type | LED, angle of radiation 120° light color: daylight, color temperature: 6,000 K to 7,000 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 DC: max. 2.5 A / DC 60 V, color: blue |
| Mounting | magnet fixing or screw fixing (M5), clip fixing (M6), torque 2 Nm max. |
| Casing | plastic, transparent |
| Dimensions | see drawings |
| Weight | 0.2 kg |
| Operating/Storage temperature | -40 to +60 °C (-40 to +140 °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), DC 12 V: IP20 / III (extra-low voltage) |



Mounting options: The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. A classic is the LED 025 with screw fixing. The clip holders exclusively designed for clip fixing of the LED 025 can be positioned anywhere in the cabinet by simply screwing the holders to the cabinet wall. The lamp is snapped into the clip holders and can be turned in both directions. With a total rotation angle of 180° it provides perfect illumination within the cabinet or enclosure.

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



| Art. No. Magnet fixing | Art. No. Screw fixing | Art. No. Clip fixing | Operating voltage | Switch | Approvals |
|------------------------|-----------------------|----------------------|--|----------------------------------|---------------------------------------|
| 02540.0-00 | 02540.0-01 | 02540.0-03 | AC 100 – 240 V, 50/60 Hz (min. AC 90 V, max. AC 265 V) | on/off light switch | VDE UL File No. E234324 CCC EAC |
| 02540.1-00 | 02540.1-01 | 02540.1-03 | DC 24 – 48 V (min. DC 20 V, max. DC 60 V) | on/off light switch | VDE UL File No. E234324 CCC EAC |
| 02540.2-00 | 02540.2-01 | 02540.2-03 | DC 12 V (min. DC 10 V, max. DC 16 V) | on/off light switch | – UL File No. E234324 – EAC |
| 02541.0-00 | 02541.0-01 | 02541.0-03 | AC 100 – 240 V, 50/60 Hz (min. AC 90 V, max. AC 265 V) | PIR movement sensor ¹ | VDE UL File No. E234324 CCC EAC |
| 02541.1-00 | 02541.1-01 | 02541.1-03 | DC 24 – 48 V (min. DC 20 V, max. DC 60 V) | PIR movement sensor ¹ | VDE UL File No. E234324 CCC EAC |

¹ approx. 5 min. fixed switch-on duration

ACCESSORIES

Connectors and cables for electrical connection are not included in the delivery of the LED D25. These parts can be ordered separately. Sets, consisting of lamp and accessories, are available on request.

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 |
| 244360 | connection cable 2 x 0.75 mm ² with female connector | 2.0 m | DC 24 – 48 V | connector: blue; cable: white | power input | VDE |
| 244361 | connection cable 2 x AWG 16 with female connector | 2.0 m | DC 24 – 48 V | connector: blue; cable: white | power input | VDE + UL |
| 244389 | connection cable 2 x 0.75 mm ² with female connector | 2.0 m | DC 12 V | connector: blue; cable: white | power input | VDE |
| 244390 | connection cable 2 x AWG 16 with female connector | 2.0 m | DC 12 V | connector: blue; 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 |
| 244362 | extension cable 2 x 1.5 mm ² with 2 connectors | 1.0 m | DC 24 – 48 V | connectors: blue; cable: white | daisy chain | VDE |
| 244363 | extension cable 2 x AWG 16 with 2 connectors | 1.0 m | DC 24 – 48 V | connectors: blue; cable: white | daisy chain | VDE + UL |
| 244391 | extension cable 2 x 1.5 mm ² with 2 connectors | 1.0 m | DC 12 V | connectors: blue; cable: white | daisy chain | VDE |
| 244392 | extension cable 2 x AWG 16 with 2 connectors | 1.0 m | DC 12 V | connectors: blue; cable: white | daisy chain | VDE + UL |

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

FEMALE / MALE CONNECTORS



Photo: Female connector, Art. No. 264057

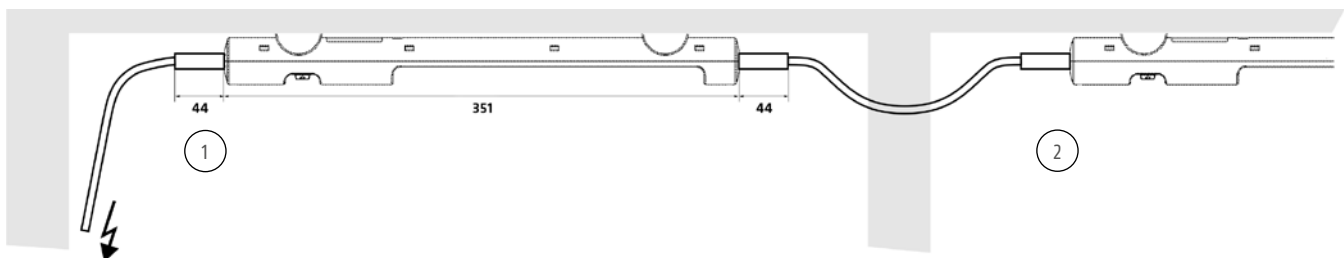


Photo: Male connector, Art. No. 264058

| Art. No. | Model | Voltage type | Color | Use for | Wire cross-section ³ | Approvals |
|----------|------------------|--------------|-------|--------------|-------------------------------------|-----------|
| 264057 | female connector | AC | white | power input | 0.5-2.5 mm ² (AWG 14-20) | VDE + UL |
| 264058 | male connector | AC | white | power output | 0.5-2.5 mm ² (AWG 14-20) | VDE + UL |
| 264059 | female connector | DC 24 – 48 V | blue | power input | 0.5-2.5 mm ² (AWG 14-20) | VDE + UL |
| 264060 | male connector | DC 24 – 48 V | blue | power output | 0.5-2.5 mm ² (AWG 14-20) | VDE + UL |
| 264065 | female connector | DC 12 V | blue | power input | 0.5-2.5 mm ² (AWG 14-20) | VDE + UL |
| 264066 | male connector | DC 12 V | blue | power output | 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 EXAMPLE



This illustration shows the LED D25 lamp in a daisy chain application. The lamps are conveniently connected via quick connection plugs – up to 10 (5) 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.