# LAMP

## LED 025



LED 025 with on/off switch and magnet fixing

LED 025 with on/off switch and clip fixing

LED 025 with movement sensor and screw fixing

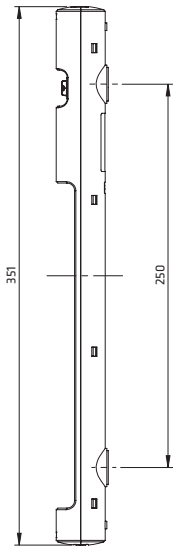
- > Wide voltage range
- > Integrated power unit
- > Long-lived and maintenance-free by LED technology
- > Daisy chain
- > On/off switch or movement sensor
- > Magnet, screw or clip fixing

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 (12VDC 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.

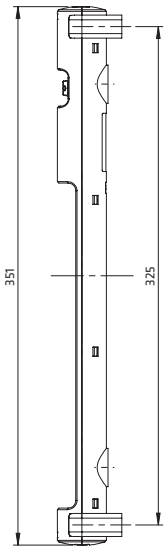
### TECHNICAL DATA

| | |
|---|---|
| **Power consumption** | max. 5W |
| **Luminosity** | 290Lm at 120° (870Lm at 360° or equivalent 75W light bulb) |
| **Lamp type** | LED, angle of radiation 120°<br>light color: daylight, color temperature: 6,500K |
| **Service life** | 60,000h at +20°C (+68°F) |
| **Connection** | 2-pole connector with snap lock<br>AC: max. 2.5A / 240VAC, color: white<br>DC: max. 2.5A / 60VDC, color: blue |
| **Mounting** | magnet fixing or screw fixing (M5), clip fixing (M6),<br>torque 2Nm max. |
| **Casing** | plastic, transparent |
| **Dimensions** | see drawings |
| **Weight** | 0.2kg |
| **Operating/Storage temperature** | -30 to +60°C (-22 to +140°F) / -40 to +85°C (-40 to +185°F) |
| **Operating/Storage humidty** | max. 90% RH (non-condensing) |
| **Protection type/Protection class** | IP20 / II (double insulated), 12VDC: IP20 / III (extra-low voltage) |

LED 025 with magnet or screw fixing



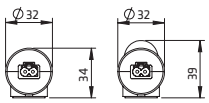

LED 025 with clip fixing



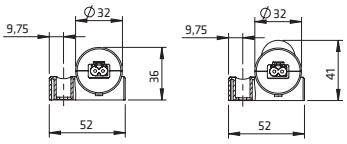

**Mounting options:** The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. A classic is the LED 025 with screw fixing. And the specifically designed clip holders for clip fixing of the LED 025 can also be positioned anywhere in the cabinet. The clip holders are screwed to the cabinet wall, the lamp is simply snapped into the clip holders and can be turned as needed for a perfect illumination.

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

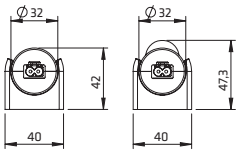
Side view magnet fixing




Side view screw fixing




Sideview clip fixing




| Art. No. Magnet fixing | Art. No. Screw fixing | Art. No. Clip fixing | Operating voltage | Switch | Appovals | | |
|---|---|---|---|---|---|---|---|
| 02540.0-00 | 02540.0-01 | 02540.0-03 | 100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC) | on/off light switch | UL File No. E234324 | VDE | GOST-R |
| 02540.1-00 | 02540.1-01 | 02540.1-03 | 24-48VDC (min. 20VDC, max. 60VDC) | on/off light switch | UL File No. E234324 | VDE | GOST-R |
| 02540.2-00 | 02540.2-01 | 02540.2-03 | 12VDC (min. 10VDC, max. 16VDC) | on/off light switch | - | - | - |
| 02541.0-00 | 02541.0-01 | 02541.0-03 | 100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC) | PIR movement sensor[1] | UL File No. E234324 | VDE | GOST-R |
| 02541.1-00 | 02541.1-01 | 02541.1-03 | 24-48VDC (min. 20VDC, max. 60VDC) | PIR movement sensor[1] | UL File No. E234324 | VDE | GOST-R |

[1] approx. 5 min. fixed switch-on duration

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## ACCESSORIES

Connectors and cables for electrical connection are not included in the delivery of the LED 025. These parts can be ordered separately. Sets, consisting of lamp and accessories, are available on request.

## CONNECTION CABLE WITH FEMALE CONNECTOR AND OPEN END

1



Photo: Connection cable, Art. No. 244356

| Art. No. | Model | Length | Voltage type | Color | Use for | Approvals[2] |
|---|---|---|---|---|---|---|
| 244356 | connection cable 2 x 1.5mm² with female connector | 2.0m | AC | connector: white; cable: white | power input | VDE |
| 244357 | connection cable 2 x AWG 16 with female connector | 2.0m | AC | connector: white; cable: white | power input | VDE + UL |
| 244360 | connection cable 2 x 1.5mm² with female connector | 2.0m | 24-48VDC | connector: blue; cable: white | power input | VDE |
| 244361 | connection cable 2 x AWG 16 with female connector | 2.0m | 24-48VDC | connector: blue; cable: white | power input | VDE + UL |
| 244389 | connection cable 2 x 1.5mm² with female connector | 2.0m | 12VDC | connector: blue; cable: white | power input | VDE |
| 244390 | connection cable 2 x AWG 16 with female connector | 2.0m | 12VDC | 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

2



Photo: Extension cable, Art. No. 244358

| Art. No. | Model | Length | Voltage type | Color | Use for | Approvals[2] |
|---|---|---|---|---|---|---|
| 244358 | extension cable 2 x 1.5mm² with 2 connectors | 1.0m | AC | connectors: white; cable: white | daisy chain | VDE |
| 244359 | extension cable 2 x AWG 16 with 2 connectors | 1.0m | AC | connectors: white; cable: white | daisy chain | VDE + UL |
| 244362 | extension cable 2 x 1.5mm² with 2 connectors | 1.0m | 24-48VDC | connectors: blue; cable: white | daisy chain | VDE |
| 244363 | extension cable 2 x AWG 16 with 2 connectors | 1.0m | 24-48VDC | connectors: blue; cable: white | daisy chain | VDE + UL |
| 244391 | extension cable 2 x 1.5mm² with 2 connectors | 1.0m | 12VDC | connectors: blue; cable: white | daisy chain | VDE |
| 244392 | extension cable 2 x AWG 16 with 2 connectors | 1.0m | 12VDC | connectors: blue; cable: white | daisy chain | VDE + UL |

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

## FEMALE / MALE CONNECTORS



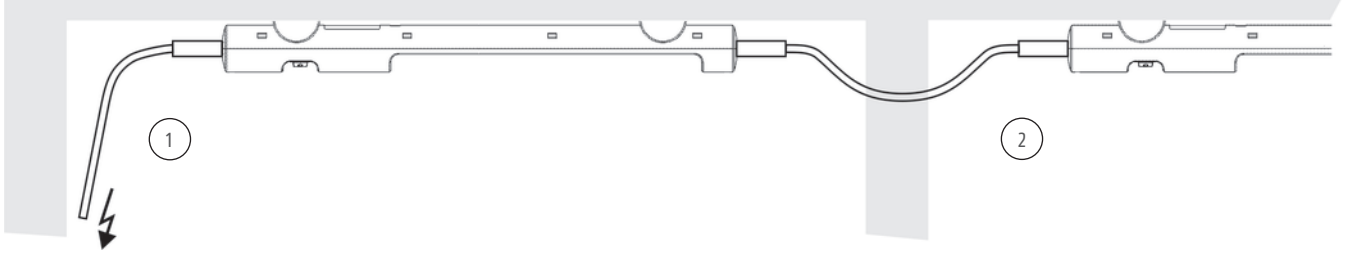
Photo: Female connector, Art. No. 264057



Photo: Male connector, Art. No. 264058

| Art. No. | Model | Voltage type | Color | Use for | Approvals |
|---|---|---|---|---|---|
| 264057 | female connector | AC | white | power input | VDE + UL |
| 264058 | male connector | AC | white | power output | VDE + UL |
| 264059 | female connector | 24-48VDC | blue | power input | VDE + UL |
| 264060 | male connector | 24-48VDC | blue | power output | VDE + UL |
| 264065 | female connector | 12VDC | blue | power input | VDE + UL |
| 264066 | male connector | 12VDC | blue | power output | VDE + UL |

## CONNECTION EXAMPLE




This illustration shows the LED 025 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 230VAC 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.

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