# PLD E 608 W 315/B - LED enclosure light

2702227

https://www.phoenixcontact.com/nz/products/2702227

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LED enclosure light, AC wide-range input, color temperature 4000 K, with motion sensor, type B socket (e.g., for USA)

## Product description

The LED light is designed to illuminate the interior of control cabinets. The prismatic integrated into the light cover ensures optimum illumination of the control cabinet. You can mount the light without tools via the integrated latching hook system. You can connect several lights in succession. You can control the light mode via a button. You can switch the light on or off permanently or enable the automatic mode. In automatic mode, the light is switched on and off via an integrated motion detector.

## Your advantages

- Tool-free mounting, thanks to the patented snap-in hook system
- Worldwide use, thanks to AC wide range input
- Integrated motion detector saves on MRP and installation costs for door position switches
- Socket enables the operation of external devices even when power is disconnected to the control cabinet
- Series connection reduces cabling effort for control cabinets arranged in series
- Optimum lighting of the control cabinet, thanks to integrated optics
- LED service life of 50,000 h (L70 value) prevents bulb replacement

## Commercial data

| | |
|---|---|
| Item number | 2702227 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DNL235 |
| Product key | DRL235 |
| Catalog page | Page 501 (C-6-2019) |
| GTIN | 4055626057514 |
| Weight per piece (including packing) | 900 g |
| Weight per piece (excluding packing) | 770 g |
| Country of origin | DE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Control cabinet lighting |
| Mounting position | any |
| For country-specific use in | USA |
| | Canada |
| | Brazil |
| | Japan |
| Application | Control cabinet |
| Socket type | Type B |

## Electrical properties

| | |
|---|---|
| Maximum power dissipation for nominal condition | 9.8 W |

Supply: Module electronics

| | |
|---|---|
| Connection method | Installation coupler |
| Number of positions | 3 |
| Supply voltage range | 100 V AC ... 125 V AC (50/60 Hz) |
| | 100 V AC ... 125 V AC (50/60 Hz, nominal voltage) |
| Current consumption | max. 12 A (from the socket) |
| Power consumption | 9.8 W |

## Signaling

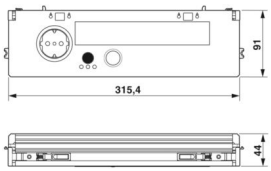
Motion detector

| | |
|---|---|
| Detection range | 1.5 m ±0.25 m |
| Detection angle | 35 ° ±5° (Horizontal and vertical) |
| Lighting duration | 180 s (Retriggered) |

Light properties

| | |
|---|---|
| Source of light type | LED |
| Number of LEDs | 23 |
| Service life, lighting appliance | 50,000 h (L70) |
| Color temperature | 4000 K |
| Color rendering index | 85 |
| Luminous flux | 685 lm (Net luminous flux) |
| Illumination | max. 1255 lx (50 cm distance) |
| | max. 310 lx (Distance of 1 m) |
| Ordinance | Delegated Regulation (EU) 2019/2015 |
| Energy efficiency class | G (1 light source) |
| Note | This product contains an energy efficiency class E light source. |

## Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 91 mm |
| Height | 44 mm |
| Length | 315.4 mm |

## Material specifications

| | |
|---|---|
| Color | traffic grey A RAL 7042 |
| Material () | Plastic |
| Housing material | Plastic |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Degree of protection | IP20 |
| Air pressure (operation) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Air pressure (storage/transport) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Permissible humidity (operation) | 5 % ... 95 % |
| Permissible humidity (storage/transport) | 5 % ... 95 % |

## Standards and regulations

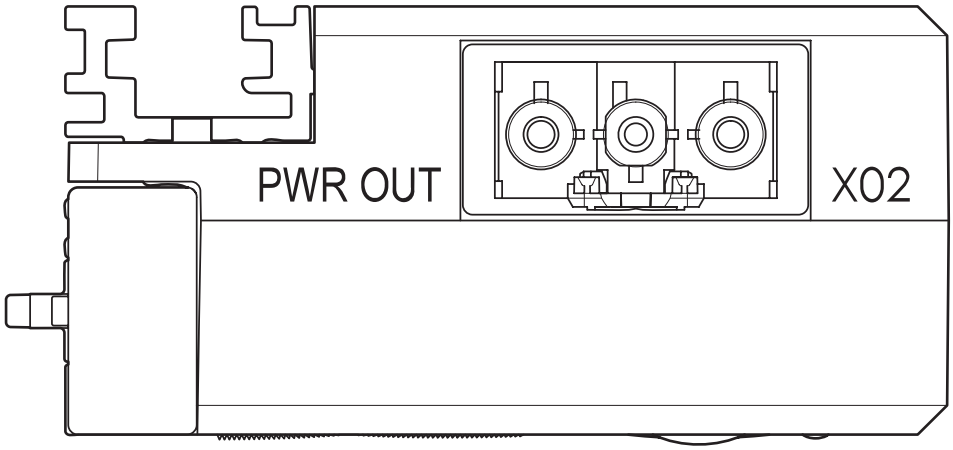
| | |
|---|---|
| Protection class | I |

## Mounting

| | |
|---|---|
| Mounting type | Snap-in hook system |
| Assembly instructions | Magnet attachment available as an accessory |
| | Screw fixings available as accessories |
| Mounting position | any |

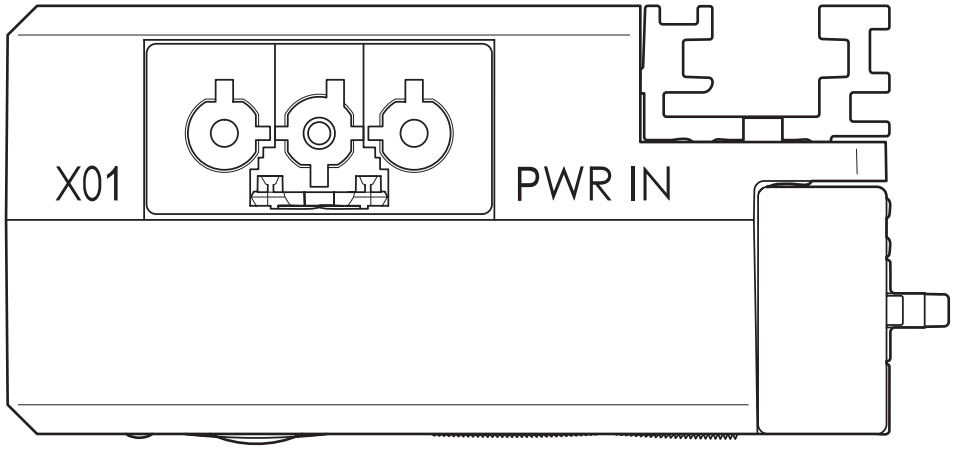
## Drawings

Connection diagram



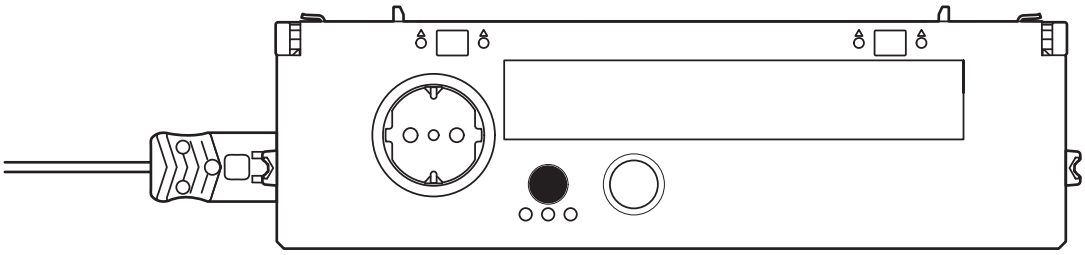

Forwarding of the supply voltage with the series connection of lights

Connection diagram



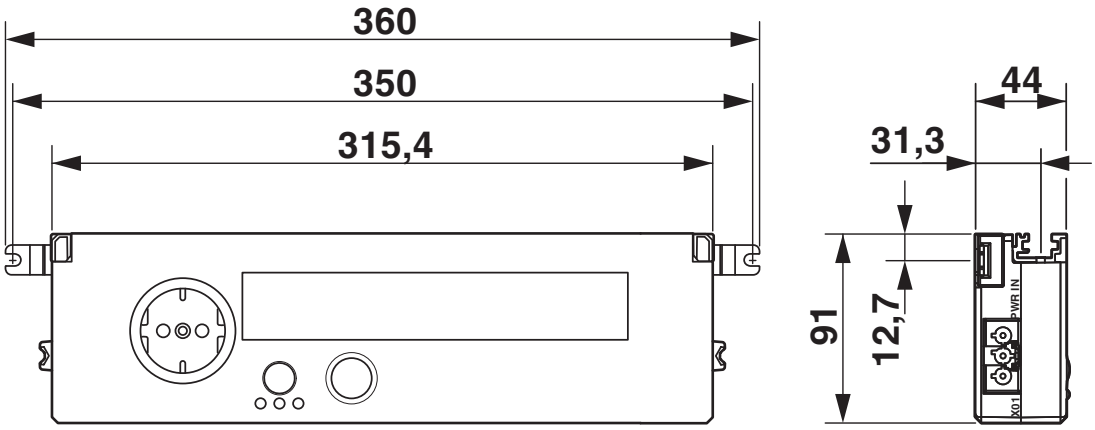

Connection of the supply voltage of a light

Schematic diagram



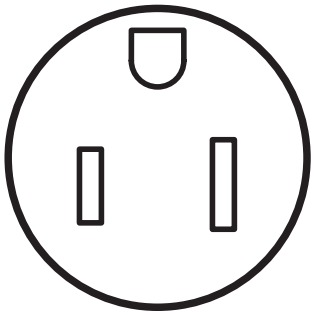
Connection of a light

Dimensional drawing



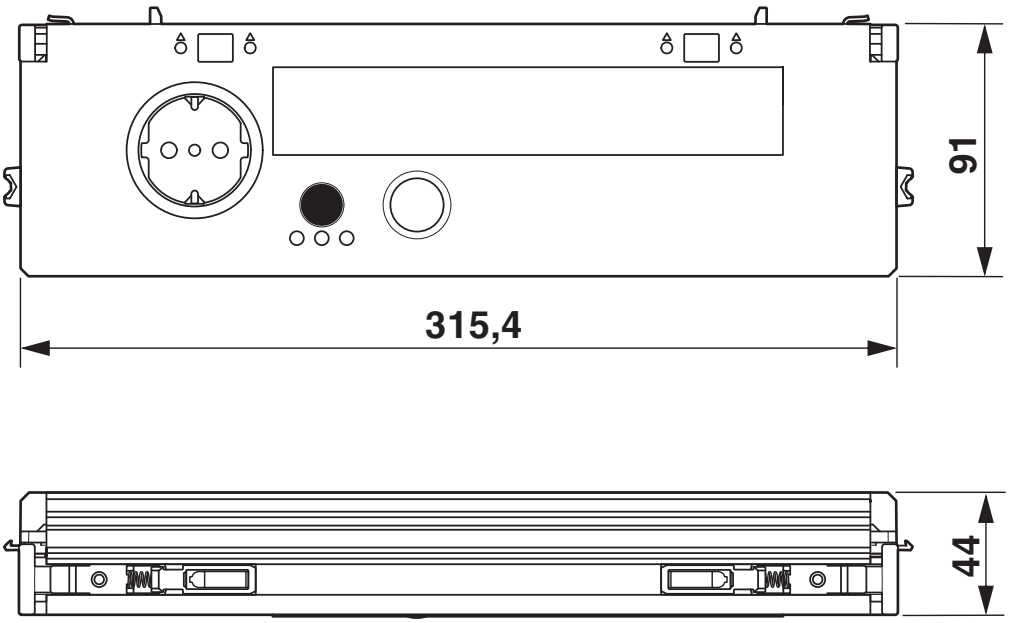

Dimensional drawing for screw mounting

Schematic diagram



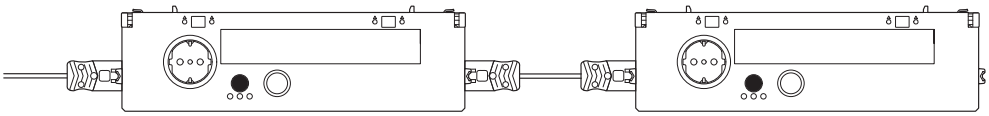
Type B socket (NEMA 5-15)

Dimensional drawing




Dimensional drawing

## Schematic diagram



Series connection of two lights

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27182808 |
| ECLASS-12.0 | 27182808 |
| ECLASS-13.0 | 27182808 |

### ETIM

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|---|---|
| ETIM 8.0 | EC000321 |

### UNSPSC

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|---|---|
| UNSPSC 21.0 | 32151500 |

## Environmental product compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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