

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



2702228

<https://www.phoenixcontact.com/us/products/2702228>

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

## 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	2702228
Packing unit	1 pc
Sales key	DR08
Product key	DRL235
GTIN	4055626057521
Weight per piece (including packing)	911.1 g
Weight per piece (excluding packing)	886.9 g
Customs tariff number	94054231
Country of origin	DE

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## Technical data

### Product properties

Product type	Enclosure light
Application	Control cabinet
Mounting position	any
For country-specific use in	France
	Belgium
	Poland
Special properties	can be switched in series
	including mounting accessories
Socket type	Type E

### Electrical properties

Maximum power dissipation for nominal condition	9.8 W
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#### Supply: Module electronics

Connection method	Installation coupler
Number of positions	3
Supply voltage range	85 V AC ... 265 V AC (50/60 Hz)
	100 V AC ... 250 V AC (50/60 Hz, nominal voltage)
Current consumption	max. 16 A (from the socket)
Power consumption	9.8 W

### Signaling

#### Motion detector

Detection range	1.5 m $\pm$ 0.25 m
Detection angle	35 ° $\pm$ 5° (Horizontal and vertical)
Lighting duration	180 s (Retriggered)

#### Light properties

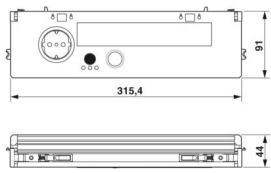
Source of light type	LED
Number of LEDs	23
Color temperature	4000 K
Color rendering index	85
Luminous flux	685 lm (Net luminous flux)
Illumination	max. 1255 lx (50 cm distance)
	max. 310 lx (Distance of 1 m)
Ordinance	Delegated Regulation (EU) 2019/2015
Energy efficiency class	G (1 light source)
Note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

### Dimensions

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Dimensional drawing	
Width	91 mm
Height	44 mm
Length	315.4 mm

## Material specifications

Color	traffic gray 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 %

### Mechanical test

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g, 11 ms period, half-sine shock pulse
Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27	10g

## Standards and regulations

Protection class	I
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## Mounting

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

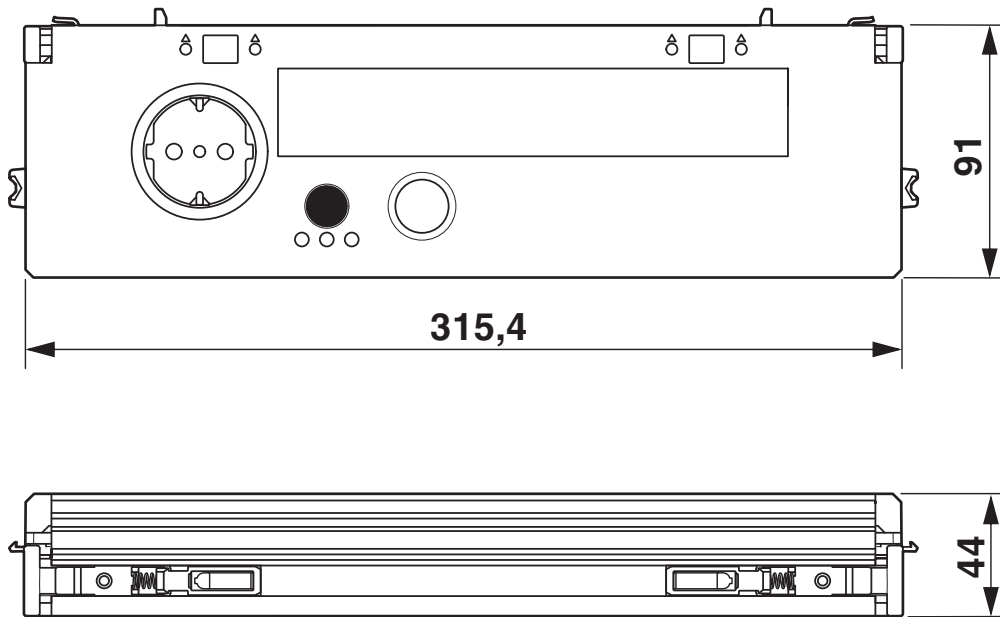
# PLD E 608 W 315/E - LED enclosure light

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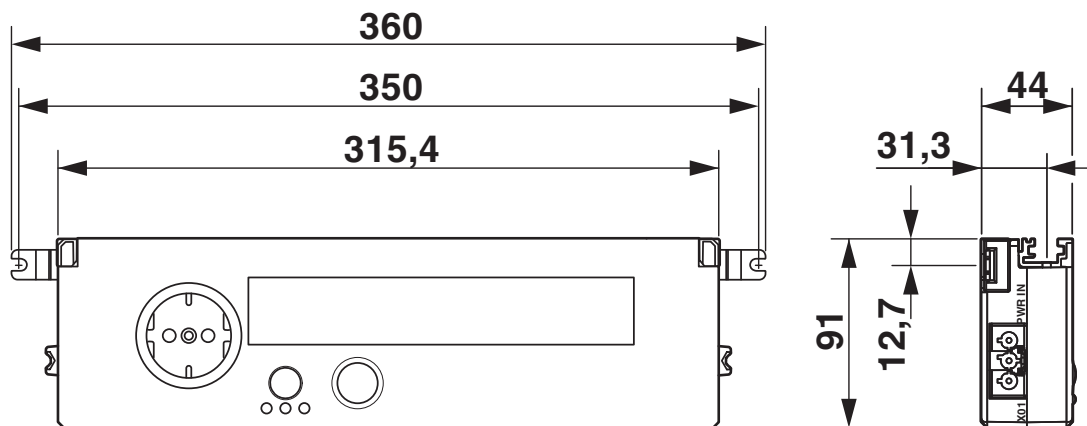
## Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



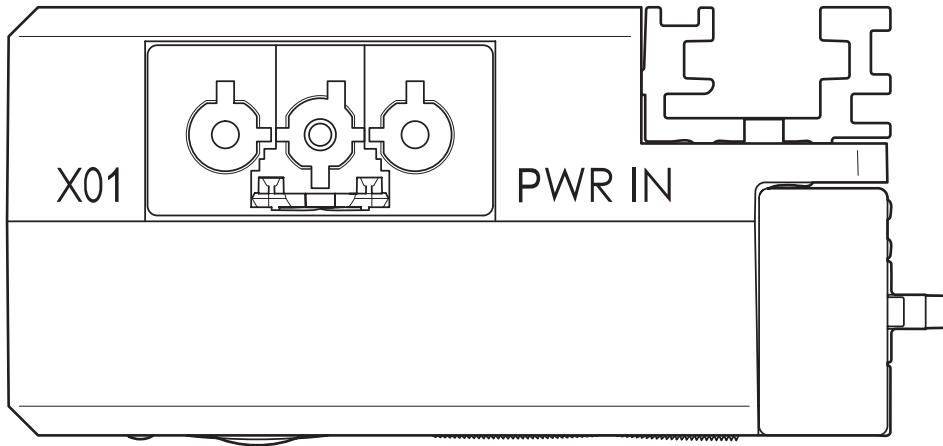
Dimensional drawing for screw mounting

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

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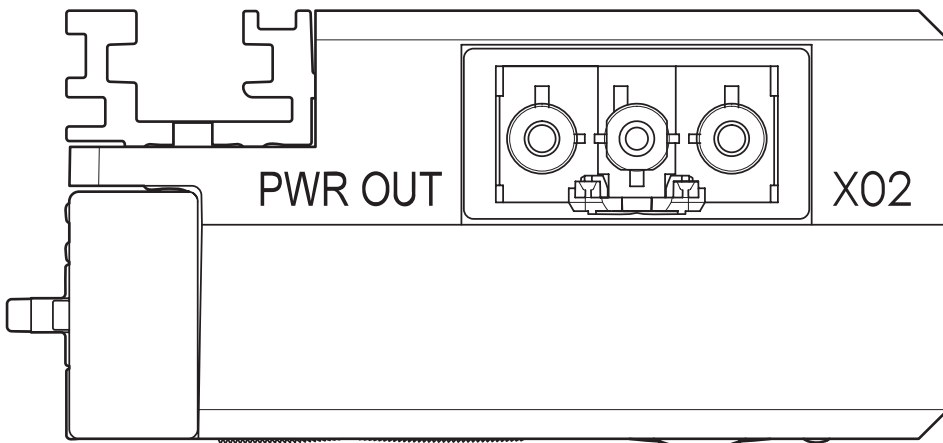
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Connection diagram



Connection of the supply voltage of a light

Connection diagram



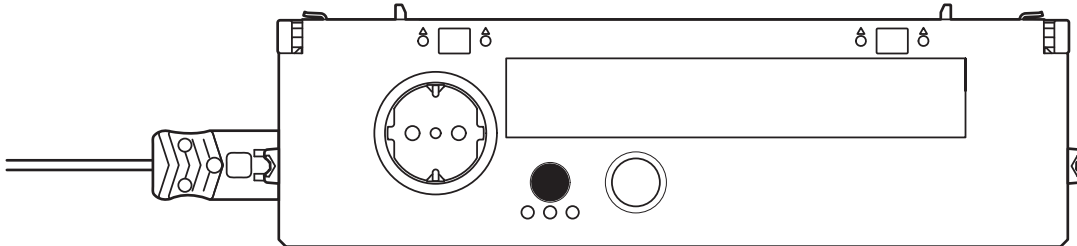
Forwarding of the supply voltage with the series connection of lights

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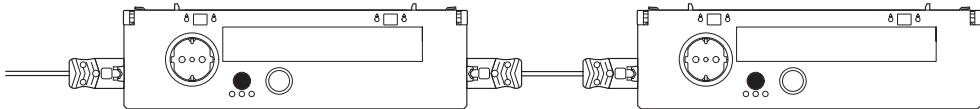
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Schematic diagram



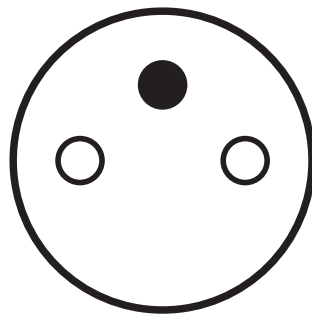
Connection of a light

Schematic diagram



Series connection of two lights

Schematic diagram



Type E socket

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## Classifications

### ECLASS

ECLASS-13.0	27182808
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### UNSPSC

UNSPSC 21.0	32151500
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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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