

## LED enclosure light - PLD E 608 W 315/B - 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 integrated optics ensure optimum illumination of the control cabinet. Tool-free assembly using the integrated retaining hook system. This allows several lights to be successively switched. Switching the light on and off takes place via an integrated motion sensor.

### 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

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 057514
GTIN	4055626057514

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	91 mm
Height	44 mm
Length	315.4 mm

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
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)
Degree of protection	IP20

### General

Socket	Type B
Housing material	Plastic
Assembly instructions	Magnet attachment available as an accessory Screw fixings available as accessories
Color	traffic grey A RAL 7042
Net weight	770 g
Mounting type	Snap-in hook system
Mounting position	any
Can be used as typical for the country	USA Canada Brazil Japan

### Power supply for 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

### Light properties

Source of light type	LED
Number of LEDs	23
Service life, lighting appliance	50,000 h (L70)
Light color	Neutral white
Color temperature / wavelength	4000 K
Color rendering index	85
Luminous flux	685 lm (Net luminous flux)
Illumination	max. 1255 lx (50 cm distance)

### Motion detector

Detection range	1.5 m ±0.25 m
Detection angle	35 ° ±5° (Horizontal and vertical)

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## Technical data

### Motion detector

Lighting duration	180 s (Retriggered)
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### Standards and Regulations

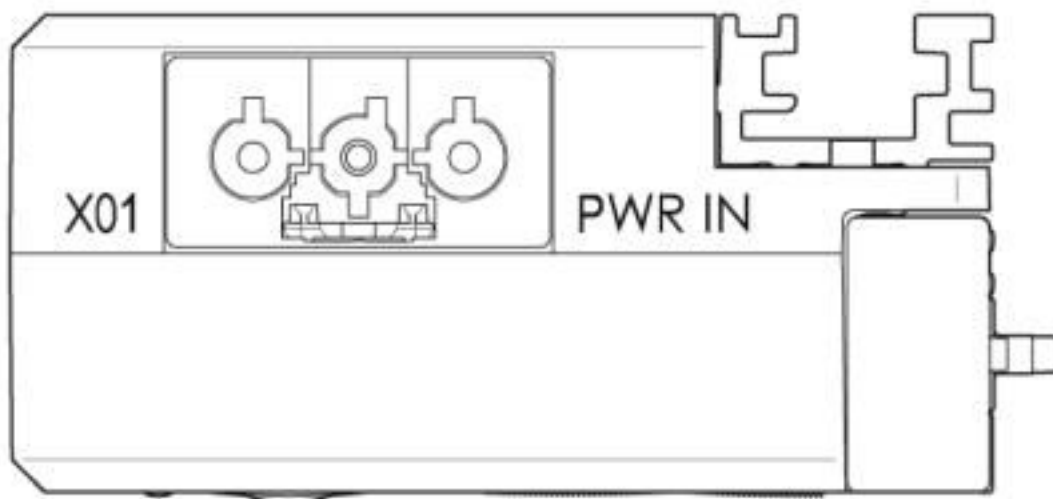
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g, 11 ms period, half-sine shock pulse
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	I

### Environmental Product Compliance

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

## Drawings

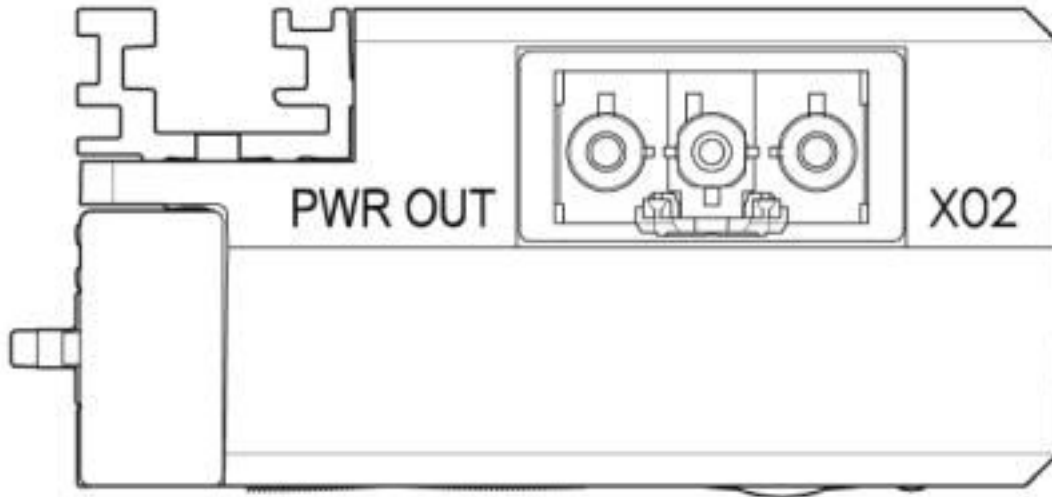
Connection diagram



Connection of the supply voltage of a light

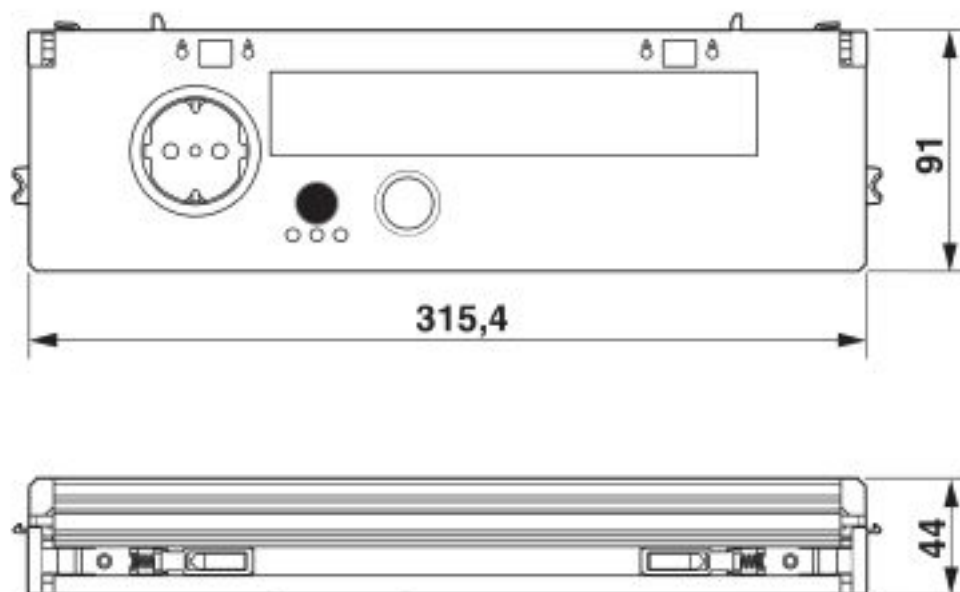
# LED enclosure light - PLD E 608 W 315/B - 2702227

Connection diagram



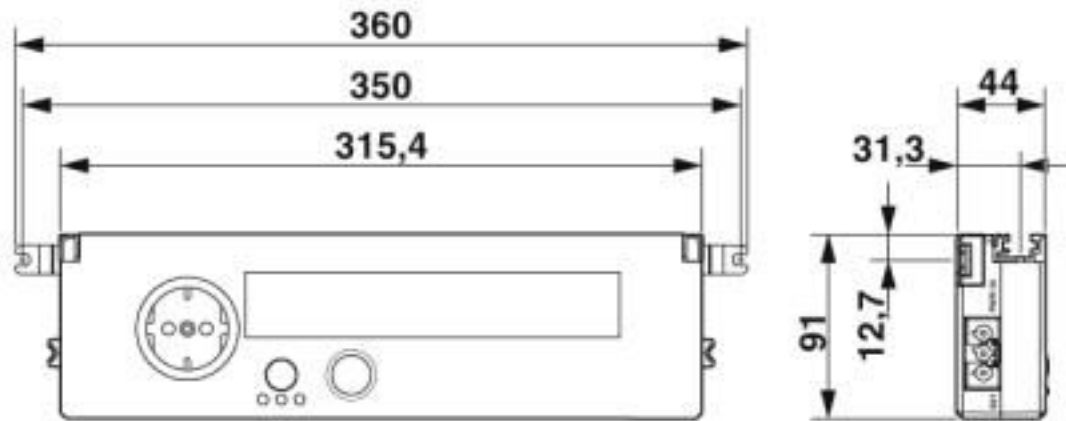
Forwarding of the supply voltage with the series connection of lights

Dimensional drawing



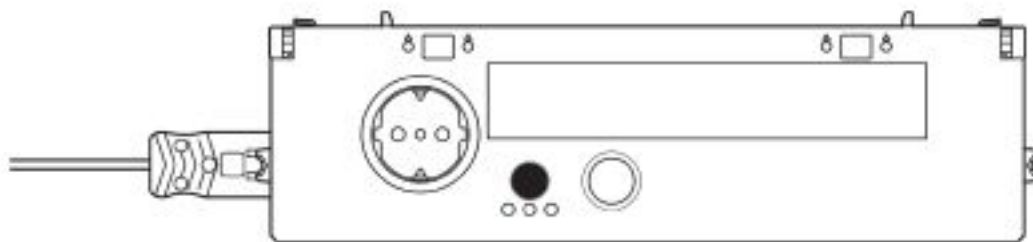
# LED enclosure light - PLD E 608 W 315/B - 2702227

Dimensional drawing



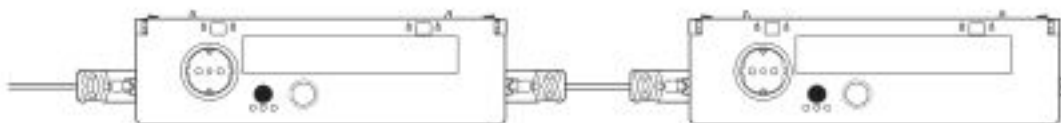
Dimensional drawing for screw mounting

Schematic diagram



Connection of a light

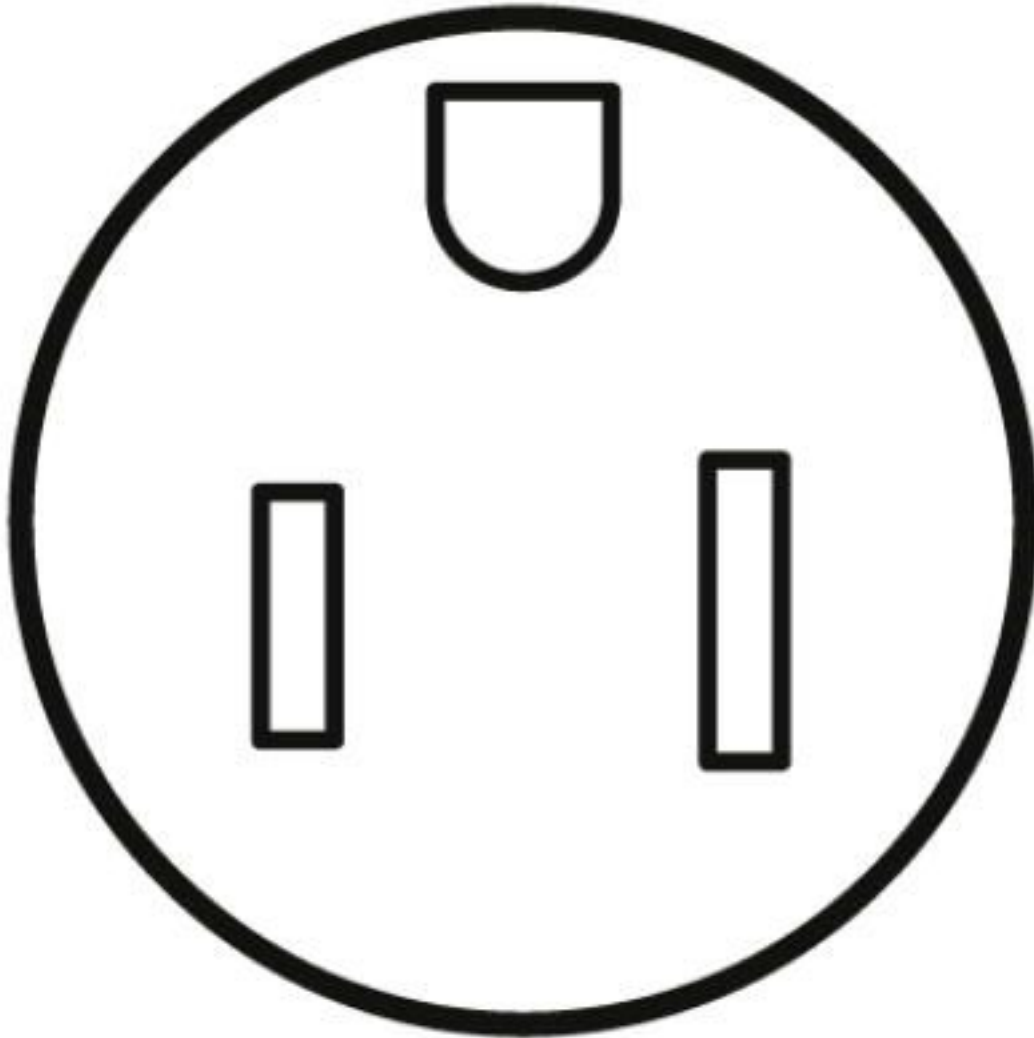
Schematic diagram



Series connection of two lights

# LED enclosure light - PLD E 608 W 315/B - 2702227

Schematic diagram



Type B socket (NEMA 5-15)

## Classifications

eCl@ss

eCl@ss 10.0.1	27182808
eCl@ss 5.0	27189200
eCl@ss 5.1	27189200
eCl@ss 6.0	27189200
eCl@ss 7.0	27189241
eCl@ss 8.0	27189241
eCl@ss 9.0	27189241

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## Classifications

### ETIM

ETIM 4.0	EC000321
ETIM 5.0	EC000321
ETIM 6.0	EC000321
ETIM 7.0	EC000321

## Approvals


### Approvals


#### Approvals


UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 255026
mm <sup>2</sup> /AWG/kcmil		30-14	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 255026
mm <sup>2</sup> /AWG/kcmil		30-14	

cULus Recognized	
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## Accessories

### Accessories

Installation connector

## LED enclosure light - PLD E 608 W 315/B - 2702227

### Accessories

Connector - PLD E 608-CO-MS - 2702308



Connector for series connection, black, 3-pos.

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Connector - PLD E 608-CO-FS - 2702309



Socket for power supply and series connection, black, 3-pos.

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### Mounting material

Mounting material - PLD E 608-ME MM - 2702315



Set for magnetic mounting of class 600 PLD enclosure lights

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Mounting material - PLD E 608-ME SM - 2702316



Set for screw mounting of class 600 PLD enclosure lights, including screws

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Mounting material - PLD E 608-ME SFM - 2702317



Set consisting of two mounting carriages with snap-in hooks for class 600 PLD enclosure lights (replacement part)

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### Power cable



## LED enclosure light - PLD E 608 W 315/B - 2702227

### Accessories

Power cable - PLD E 608-CA-3,0/FS/UL - 2702306



Power cable, 3-position, PVC, gray RAL 7001, free cable end, on Socket straight, coding: black, cable length: 3 m, with UL approval

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Power cable - PLD E 608-CA-MS/0,6/FS/UL - 2702307



Power cable, 3-position, PVC, gray RAL 7001, Plug straight, coding: black, on Socket straight, coding: black, cable length: 0.6 m, with UL approval

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### Power distributor

T distributor - PLD E 608-CO-MS/FS/FR - 2702310



T-distributor with 2 sockets and one connector for series connection, black, 3-pos.

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