

## 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
Weight per Piece (excluding packing)	900.000 g
Custom tariff number	94054039
Country of origin	Germany

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## 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

### 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

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

### Standards and Regulations

Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion A, $\pm$ 4 kV
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 Criterion A, $\pm$ 1 kV (symmetrical), $\pm$ 2 kV (asymmetrical)
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
Interference emission	Noise emission test according to EN 61000-6-3 Class B
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

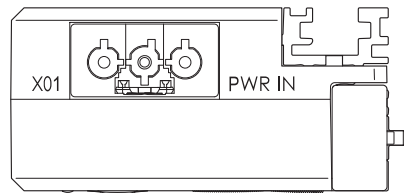
## LED enclosure light - PLD E 608 W 315/B - 2702227

Schematic diagram



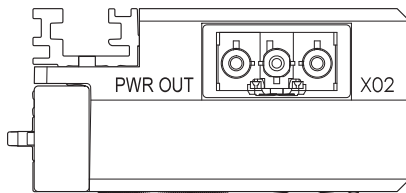
Type B socket (NEMA 5-15)

Connection diagram

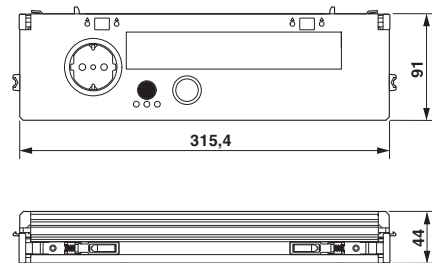


Connection of the supply voltage of a light

Connection diagram



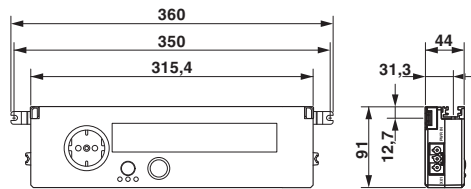
Dimensional drawing



Forwarding of the supply voltage with the series connection of lights

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Dimensional drawing



Dimensional drawing for screw mounting

Schematic diagram



Connection of a light

Schematic diagram



Series connection of two lights

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### Classifications

#### eCl@ss

eCl@ss 10.0.1	27182808
eCl@ss 11.0	27182808
eCl@ss 5.0	27189200
eCl@ss 5.1	27189200
eCl@ss 6.0	27189200
eCl@ss 7.0	27189241
eCl@ss 9.0	27189241

#### ETIM

ETIM 4.0	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
mm²/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
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### Approvals

cULus Recognized

