

## LED enclosure light - PLD E 608 W 265 - 2702224

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LED enclosure light, AC wide-range input, color temperature 4000 K, with motion sensor

### 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
- ✓ 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 057095
GTIN	4055626057095
Weight per Piece (excluding packing)	760.000 g
Custom tariff number	94054039
Country of origin	Germany

### Technical data

#### Note

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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	265 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	none
Housing material	Plastic
Assembly instructions	Magnet attachment available as an accessory Screw fixings available as accessories
Color	traffic grey A RAL 7042
Net weight	760.8 g
Mounting type	Snap-in hook system
Mounting position	any

### Power supply for 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)
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

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### Technical data

#### Light properties

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)
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, ±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, ±1 kV (symmetrical), ±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

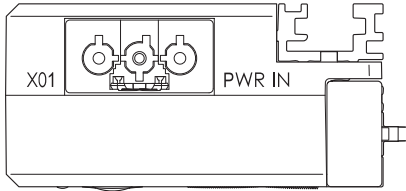
#### Environmental Product Compliance

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

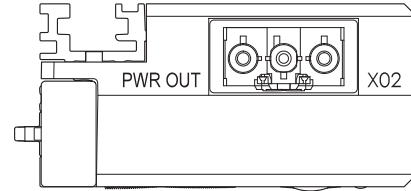
### Drawings

# LED enclosure light - PLD E 608 W 265 - 2702224

Connection diagram

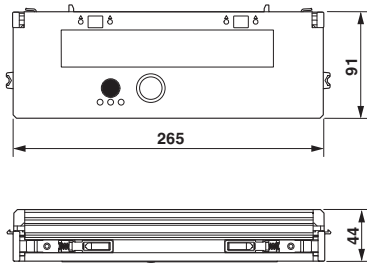


Connection diagram



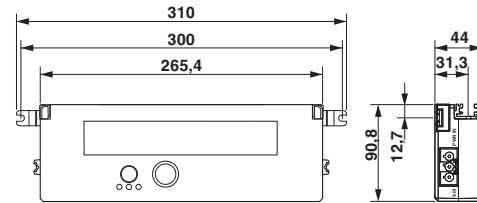
Connection of the supply voltage of a light

Dimensional drawing



Forwarding of the supply voltage with the series connection of lights

Dimensional drawing



Dimensional drawing for screw mounting

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Schematic diagram



Schematic diagram



Connection of a light

Series connection of two lights

## 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 8.0	27189241
eCl@ss 9.0	27189241

ETIM

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

## Approvals

Approvals

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## Approvals

### Approvals

UL Recognized / cUL Recognized / UL Recognized / cUL Recognized / EAC / EAC-RoHS / EAC

### 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
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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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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	

EAC		RU *- DE.**08.B.01474
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EAC-RoHS		RU D- DE.HB35.B.00391
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## LED enclosure light - PLD E 608 W 265 - 2702224

### Approvals

EAC



RU \*-  
DE. \*\*08.B.01474

### Accessories

#### Accessories

##### Installation connector

Connector - PLD E 608-CO-MS - 2702308



Connector for series connection, black, 3-pos.

Connector - PLD E 608-CO-FS - 2702309



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

##### Mounting material

Mounting material - PLD E 608-ME MM - 2702315



Set for magnetic mounting of class 600 PLD enclosure lights

Mounting material - PLD E 608-ME SM - 2702316



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

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### Accessories

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

Power cable - PLD E 608-CA-3,0/FS AM - 2702302



Power cable, 3-position, PVC, orange RAL 2004, free cable end, on Socket straight, coding: black, cable length: 3 m

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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 AM - 2702303



Power cable, 3-position, PVC, orange RAL 2004, Plug straight, coding: black, on Socket straight, coding: black, cable length: 0.6 m

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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



## LED enclosure light - PLD E 608 W 265 - 2702224

### Accessories

Power cable - PLD E 608-CA-MS/1,0/FS AM - 2702304



Power cable, 3-position, PVC, orange RAL 2004, Plug straight, coding: black, on Socket straight, coding: black, cable length: 1 m

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Power cable - PLD E 608-CA-MS/4,0/FS AM - 2702305



Power cable, 3-position, PVC, orange RAL 2004, Plug straight, coding: black, on Socket straight, coding: black, cable length: 4 m

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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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