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 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
- 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

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https://www.phoenixcontact.com/us/products/2702224

Commercial Data

Item number	2702224
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C22
Product Key	DRL235
Catalog Page	Page 500 (C-6-2019)
GTIN	4055626057095
Weight per Piece (including packing)	760.8 g
Weight per Piece (excluding packing)	760.8 g
Customs tariff number	94054231
Country of origin	DE

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Technical Data

Product properties

Product type	Light
Mounting position	any
Application	Control cabinet
Socket	none
Light color	Neutral white

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	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

LED 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

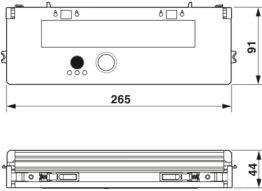|	
Source of light type	LED
Number of LEDs	23
Service life, lighting appliance	50,000 h (L70)
Light color	Neutral white
Color temperature	4000 K
Color rendering index	85
Luminous flux	685 lm (Net luminous flux)
Illumination	max. 1255 lx (50 cm distance)
	max. 310 lx (Distance of 1 m)
Ordinance	Delegated 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	265 mm

Material specifications

Color	traffic grey A RAL 7042
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

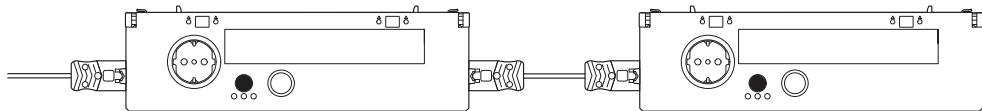| Mounting type	Snap-in hook system
Assembly instructions	Magnet attachment available as an accessory
	Screw fixings available as accessories
Mounting position	any

Drawings

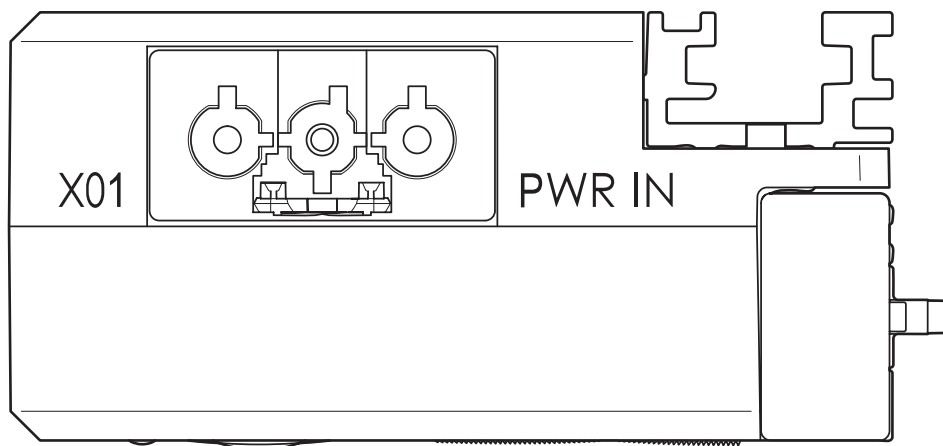### Dimensional drawing
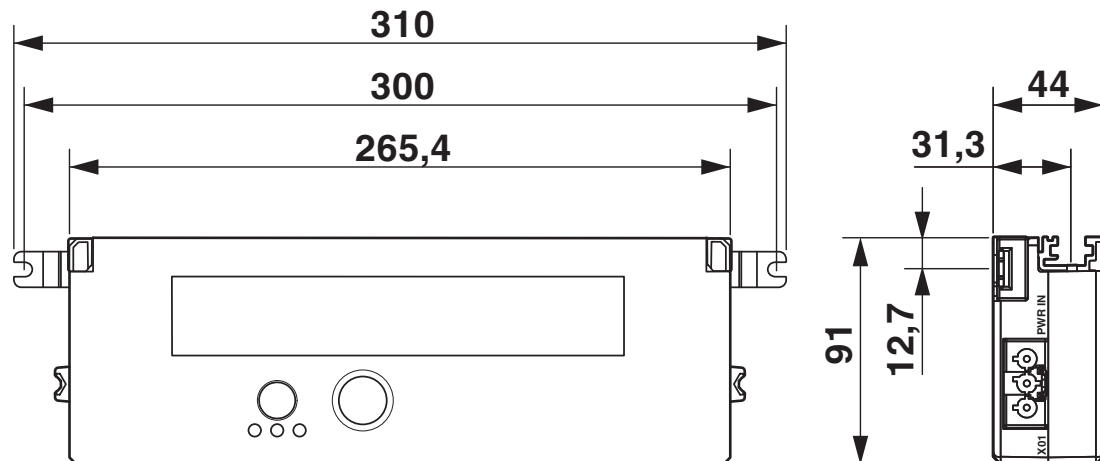
Dimensional drawing for screw mounting

Schematic diagram

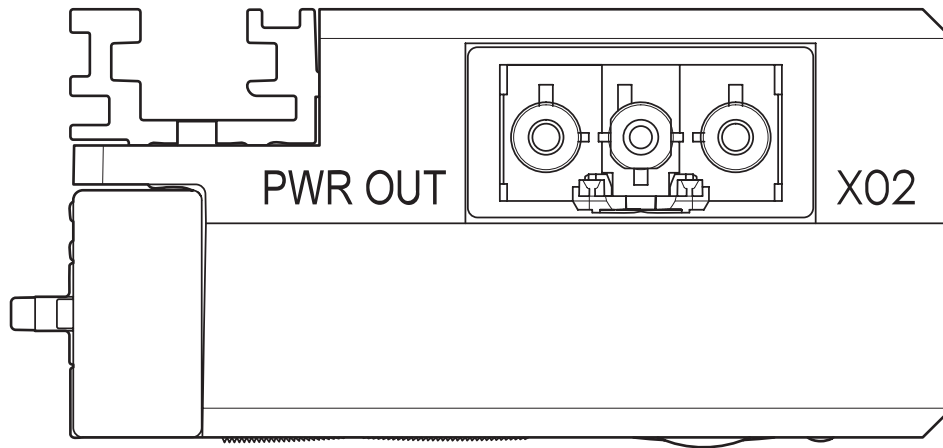

Series connection of two lights

Connection diagram

Connection of the supply voltage of a light

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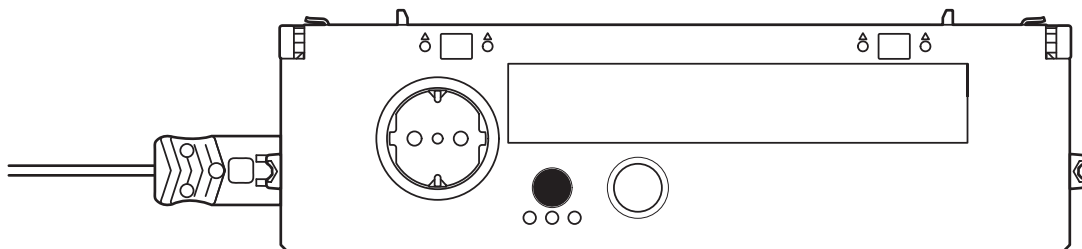https://www.phoenixcontact.com/us/products/2702224

Connection diagram

Forwarding of the supply voltage with the series connection of lights
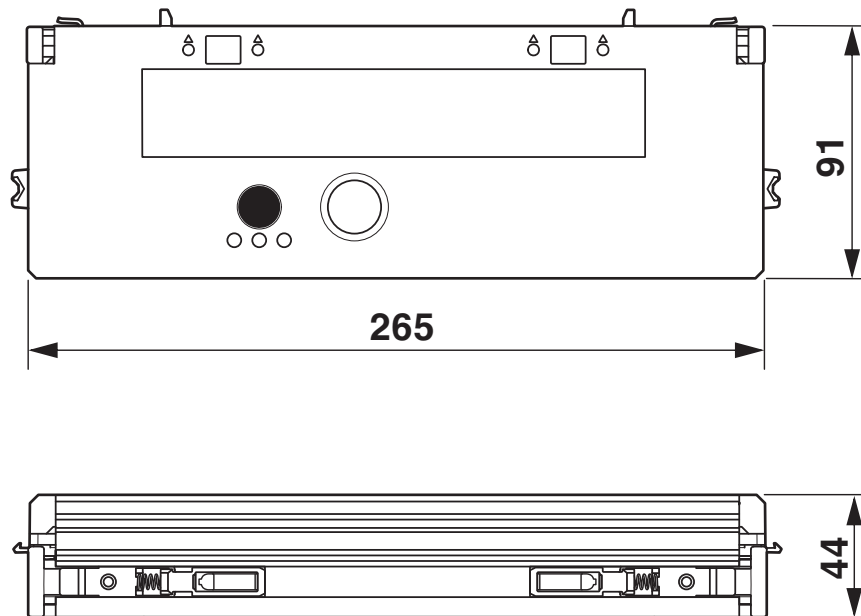
Schematic diagram

Connection of a light

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Dimensional drawing

91

265

44

Dimensional drawing

Approvals

cUL Recognized	
UL Recognized	
EAC	
EAC	
cULus Recognized	

Classifications

ECLASS

ECLASS-9.0	27189241
ECLASS-10.0.1	27182808
ECLASS-11.0	27182808

ETIM

ETIM 8.0	EC000321

UNSPSC

UNSPSC 21.0	32151500

Environmental Product Compliance

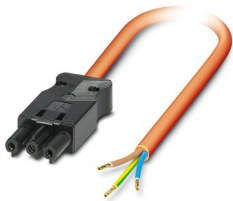| China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Power cable

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

https://www.phoenixcontact.com/us/products/2702302

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

Power cable

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

https://www.phoenixcontact.com/us/products/2702306

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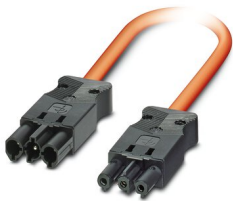
Power cable

Power cable - PLD E 608-CA-MS/0,6/FS AM - 2702303

https://www.phoenixcontact.com/us/products/2702303

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

Power cable

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

https://www.phoenixcontact.com/us/products/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

Power cable

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

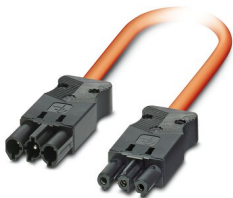https://www.phoenixcontact.com/us/products/2702304

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

Power cable

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

https://www.phoenixcontact.com/us/products/2702305

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

Connector

Connector - PLD E 608-CO-MS - 2702308

https://www.phoenixcontact.com/us/products/2702308

Connector for series connection, black, 3-pos.

Connector

Connector - PLD E 608-CO-FS - 2702309

https://www.phoenixcontact.com/us/products/2702309

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

T distributor

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

https://www.phoenixcontact.com/us/products/2702310

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

Mounting material

Mounting material - PLD E 608-ME MM - 2702315

https://www.phoenixcontact.com/us/products/2702315

Set for magnetic mounting of class 600 PLD enclosure lights

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Mounting material

Mounting material - PLD E 608-ME SM - 2702316

https://www.phoenixcontact.com/us/products/2702316

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

Mounting material

Mounting material - PLD E 608-ME SFM - 2702317

https://www.phoenixcontact.com/us/products/2702317

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

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