

PLD M 360 W-50 365 - LED machine light



2701690

<https://www.phoenixcontact.com/us/products/2701690>

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LED machine light, 24 V DC, Neutral white, emission angle (vertical/Horizontal): 50 °, length: 365 mm, M12 connector, degree of protection: IP67, can be switched in series, Dimming, Flash mode, resistant to coolants and lubricants, including mounting accessories

Product description

The LED light is designed to provide illumination inside or on machinery. M12 sensor/actuator cables enable multiple lights to be connected one after the other and to be switched on and off via the light interface, dimmed continuously, and operated in flash mode. In addition, the integrated high-quality optics prevent glare for the machine operator.

Your advantages

- Two PWM inputs for dimming and flash mode
- Error indication via digital output
- Protection against polarity reversal, excessively high supply voltage, and overtemperature
- Laminated safety glass enables use even in environments with potential mechanical strain
- Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 50000 h
- Can be switched in series via sensor/actuator cables with SPEEDCON M12 rapid interlock system
- Focused illumination, thanks to 50° emission angle
- Homogenous and glare-free lighting thanks to innovative optics

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2701690 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DR08 |
| Product key | DRL223 |
| Catalog page | Page 13 (C-8-2015) |
| GTIN | 4046356783323 |
| Weight per piece (including packing) | 1,174.5 g |
| Weight per piece (excluding packing) | 1,171.4 g |
| Customs tariff number | 94054099 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------------|--------------------------------------|
| Product type | Machine light |
| Application | Machine |
| | Machine tool |
| Mounting position | any |
| Special properties | can be switched in series |
| | Dimming |
| | Flash mode |
| | resistant to coolants and lubricants |
| | including mounting accessories |
| Light color | Neutral white |

Electrical properties

| | |
|---|------|
| Maximum power dissipation for nominal condition | 11 W |
|---|------|

Supply: Module electronics

| | |
|-----------------------|--------------------------|
| Connection technology | M12 connector |
| Connection method | M12 connector (A-coded) |
| Number of positions | 5 |
| Supply voltage | 24 V DC |
| Supply voltage range | 19.2 V DC ... 28.8 V DC |
| Current consumption | typ. 0.46 A (at 24 V DC) |
| Power consumption | typ. 11 W |

Connection data

| | |
|-------------------|-------------------------|
| Connection method | M12 connector (A-coded) |
|-------------------|-------------------------|

Signaling

Light properties

| | |
|-----------------------|--|
| Source of light type | LED |
| Number of LEDs | 8 |
| Light color | Neutral white |
| Color temperature | 5000 K \pm 5 % |
| Color rendering index | Ra \geq 80 |
| Luminous flux | 705 lm |
| Illumination | max. 3630 lx (50 cm distance) |
| | max. 1005 lx (Distance of 1 m) |
| Luminous intensity | max. 1050 Cd |
| Average illumination | 605 lx (1 m x 1 m measuring field with 50 cm distance) |
| Can be dimmed | Via PWM signal |
| Emission angle | 50 ° |

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Dimensions

| | |
|--------------------|---|
| Width | 60 mm |
| Height | 35 mm |
| Length | 365 mm |
| Note on dimensions | Length without M12 flush-type connector |

Material specifications

| | |
|-------------|-----------------------------------|
| Color | silver |
| Material () | Anodized aluminum (Light housing) |
| | Satined acrylic (Light cover) |
| Material | Anodized aluminum |
| | Laminated safety glass (LSG) |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Degree of protection | IP67 |
| 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) | -25 °C ... 85 °C |
| Permissible humidity (operation) | 95 % (non-condensing) |

Standards and regulations

| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Mounting

| | |
|-------------------|----------------|
| Mounting type | Screw mounting |
| Mounting position | any |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27110345 |
| ECLASS-12.0 | 27110345 |
| ECLASS-13.0 | 27110345 |

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Accessories

PLD M-ME MB - Mounting bracket

2701879

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Mounting bracket for PLD machine lights, swivel design, black (includes four screws for mounting the bracket on the PLD machine light)

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