

LED machine light - PLD M 260 W-75/95 790/D70 - 2702488

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LED machine light, 24 V DC, emission angle 75 °/95 °, color temperature 5000 K, length 790 mm, diameter 70 mm, M12 connector, Light housing: Anodized aluminum, Pane: Single-pane safety glass (ESG, thermally toughened float glass), pivoting, resistant to coolants and lubricants

Product Description

This LED machine light is designed to provide illumination inside or on machinery. You can use the light in harsh environments.

This is possible thanks to:

- The high degree of protection
- Resistance to common cooling agents and lubricants
- Resistance to vibrations and shock
- The 4 mm thick safety glass


The 70 mm diameter enables easy replacement of traditional tube lights.

Mounting is by means of holders or brackets (neither of which are supplied as standard) in which the light can swivel and the lighting can therefore be optimally aligned.

Your advantages

- ✓ Easy mechanical replacement of traditional tube lights (retrofit), thanks to 70 mm diameter
- ✓ Plug-in supply line enables free choice of the cable length as well as quick and easy installation
- ✓ Focused illumination, thanks to swivel action
- ✓ IP67 protection and resistance to cooling agents and lubricants enables use in machine tools
- ✓ Can be used at high temperatures and can be subjected to strong vibrations and shocks
- ✓ Safety glass enables use even in environments with potential mechanical strain
- ✓ ETL approval permits use on the North American market
- ✓ Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 60,000 h

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 055626 216782 |
| GTIN | 4055626216782 |
| Weight per Piece (excluding packing) | 2,800.000 g |
| Custom tariff number | 94054099 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

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Technical data

Dimensions

| | |
|--------------------|---|
| Width | 70 mm |
| Height | 58 mm |
| Length | 790 mm |
| Note on dimensions | Length without M12 flush-type connector |

Ambient conditions

| | |
|--|-----------------------|
| Ambient temperature (operation) | 0 °C ... 45 °C |
| Ambient temperature (storage/transport) | -20 °C ... 75 °C |
| Permissible humidity (operation) | 95 % |
| Permissible humidity (storage/transport) | 95 % (non-condensing) |
| Air pressure (operation) | 69 kPa ... 102 kPa |
| Air pressure (storage/transport) | 69 kPa ... 102 kPa |
| Degree of protection | IP67 |

General

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|-----------------------|--|
| Note | The PLD M-ME MC/D70 mounting holder (Order No. 2702493) or the PLD M-ME MB/D70 mounting bracket (Order No. 2702494) is required in order to mount the light. |
| Color | aluminum color |
| Net weight | 2800 g |
| Mounting type | Screw mounting |
| Assembly instructions | Mounting with mounting holders or mounting brackets, please observe the notes in the package slip. |
| Mounting position | any |

Power supply for module electronics

| | |
|-------------------------------------|-----------------------------|
| Connection technology | M12 connector |
| Connection method | M12 connector, (A-coded) |
| Number of positions | 4 |
| Permissible conductor cross section | min. 0.34 mm ² |
| Supply voltage | 24 V DC |
| Supply voltage range | 18 V DC ... 30 V DC |
| Current consumption | typ. 1.25 A (at 24 V DC) |
| Power consumption | approx. 30 W (at 24 V DC) |
| Type of protection | Surge protection |
| | Reverse polarity protection |

Connection data

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

Light properties

| | |
|----------------------------------|---------------|
| Source of light type | LED |
| Number of LEDs | 60 |
| Service life, lighting appliance | 60000 h (L70) |

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Technical data

Light properties

| | |
|--------------------------------|---|
| Light color | Neutral white |
| Color temperature / wavelength | 5000 K ±8 % |
| Color rendering index | 85 |
| Luminous flux | approx. 2300 lm (Net luminous flux) |
| Illumination | max. 1056 lx (Distance of 1 m) |
| Average illumination | 814 lx (Distance of 1 m over 1 m² area) |
| Emission angle | 75 ° (C0-C180) |

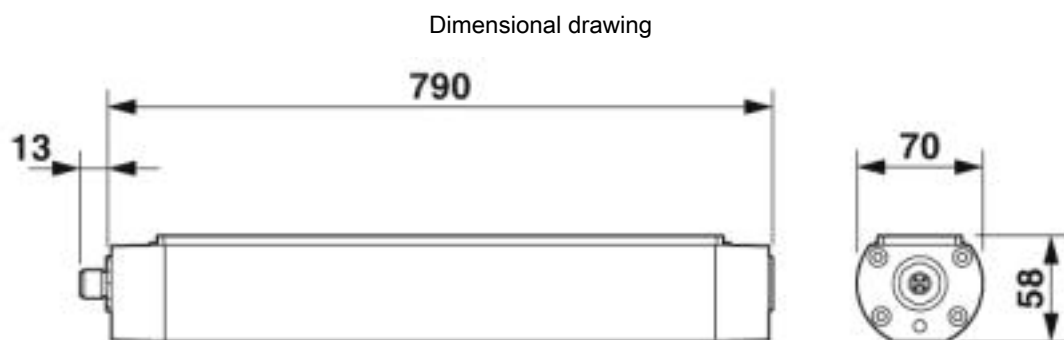
Standards and Regulations

| | |
|------------------|---|
| Mechanical tests | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 4g |
| | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 50g |
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |

Environmental Product Compliance

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

Drawings



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27110800 |
| eCl@ss 4.1 | 27110800 |
| eCl@ss 5.0 | 27119100 |
| eCl@ss 5.1 | 27119100 |
| eCl@ss 7.0 | 27119010 |
| eCl@ss 8.0 | 27119010 |
| eCl@ss 9.0 | 27110345 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000348 |
| ETIM 4.0 | EC000348 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC000348 |
| ETIM 6.0 | EC000302 |
| ETIM 7.0 | EC000302 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 39111510 |
| UNSPSC 7.0901 | 39111510 |
| UNSPSC 11 | 39111510 |
| UNSPSC 12.01 | 39111510 |
| UNSPSC 13.2 | 39101601 |
| UNSPSC 18.0 | 39101601 |
| UNSPSC 19.0 | 39101601 |
| UNSPSC 20.0 | 39101601 |
| UNSPSC 21.0 | 39101601 |

Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approval details

| | | | |
|-------|--|---|---------------------|
| ETLus | | http://www.intertek.com | LV-Lighting-Systems |
|-------|--|---|---------------------|

| | | | |
|------|--|---|------------|
| cETL | | http://www.intertek.com | Luminaires |
|------|--|---|------------|

| | | | |
|--------|--|--|--|
| cETLus | | | |
|--------|--|--|--|

Accessories

Accessories

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Accessories

Sensor/actuator cable

Sensor/actuator cable - SAC-4P- 1,5-PUR/M12FS - 1668108



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, A-coded, cable length: 1.5 m

Sensor/actuator cable - SAC-4P- 3,0-PUR/M12FS - 1668111



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, A-coded, cable length: 3 m

Sensor/actuator cable - SAC-4P- 5,0-PUR/M12FS - 1668124



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, A-coded, cable length: 5 m

Sensor/actuator cable - SAC-4P- 1,5-PUR/M12FR - 1668221



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12, A-coded, cable length: 1.5 m

Sensor/actuator cable - SAC-4P- 3,0-PUR/M12FR - 1668234



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12, A-coded, cable length: 3 m

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Accessories

Sensor/actuator cable - SAC-4P- 5,0-PUR/M12FR - 1668247



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12, A-coded, cable length: 5 m

Necessary add-on products

Mounting holder - PLD M-ME MC/D70 - 2702493



Mounting holder, AlMgSi0,5: Aluminum, for machine lights PLD M 260 .../D70, Swiveling range $\pm 30^\circ$

Mounting brackets - PLD M-ME MB/D70 - 2702494



Mounting brackets, stainless, 2A (X5CrNi-18-10): Steel, for machine lights PLD M 260 .../D70, Swiveling range $\pm 65^\circ$