

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.

Why buy this product

- ✔ 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 STK |
| GTIN | |
| GTIN | 4055626216782 |

Technical data

Dimensions

| | |
|-------|-------|
| Width | 70 mm |
|-------|-------|

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Technical data

Dimensions

| | |
|--------------------|---|
| 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

| | |
|-----------------------|--|
| 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. |
| 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. |

Power supply for module electronics

| | |
|-------------------------------------|-----------------------------|
| 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) |
| Light color | Neutral white |
| Color temperature | 5000 K ±8 % |
| Color rendering index | 85 |
| Luminous flux | approx. 2300 lm (Net luminous flux) |

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Light properties

| | |
|----------------------|---|
| 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

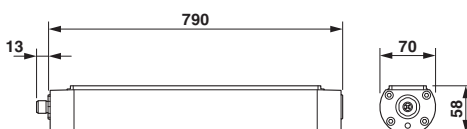
| | |
|------------------|---|
| Mechanical tests | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 4g |
| | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 50g |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |

Environmental Product Compliance

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

Drawings

Dimensional drawing



Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approval details

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

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

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Approvals

cETLus



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