

LED machine light - PLD M 260 W-75/95 510/D70 - 2702485

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LED machine light, 24 V DC, Degree of protection IP67, Emission angle 75 °/95 °, Color temperature 5000 K, Length 510 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 213910
GTIN	4055626213910
Weight per Piece (excluding packing)	1.000 g

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Custom tariff number	94054099
Country of origin	Germany

Technical data

Dimensions

Width	70 mm
Height	58 mm
Length	510 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	1700 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)
	M12 connector, (A-coded)
Number of positions	4
Permissible conductor cross section	min. 0.34 mm²
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC
Current consumption	typ. 0.75 A (at 24 V DC)
Power consumption	approx. 18 W (at 24 V DC)
Type of protection	Surge protection

Connection data

Connection method	M12 connector, (A-coded)
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Light properties

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Technical data

Light properties

Source of light type	LED
Number of LEDs	36
Service life, lighting appliance	60000 h (L70)
Light color	Neutral white
Color temperature	5000 K ± 8 %
Color rendering index	85
Luminous flux	approx. 1350 lm (Net luminous flux)
Illumination	max. 662 lx (Distance of 1 m)
Average illumination	506 lx (Distance of 1 m over 1 m ² area)
Emission angle	75 ° (C0-C180)

Standards and Regulations

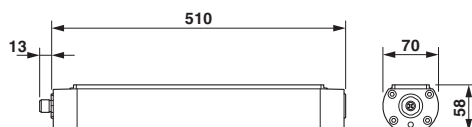
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 4g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 50g
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

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

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 5.1	27119101
eCl@ss 8.0	27119010
eCl@ss 9.0	27110345

ETIM

ETIM 3.0	EC000348
ETIM 4.0	EC000348
ETIM 5.0	EC000348

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Classifications

UNSPSC

UNSPSC 6.01	39111510
UNSPSC 7.0901	39111510
UNSPSC 11	39111510
UNSPSC 12.01	39111510
UNSPSC 13.2	39101601

Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approval details

ETLus		http://www.intertek.com	LV-Lighting-Systems
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cETL		http://www.intertek.com	Luminaires
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cETLus		http://www.intertek.com	
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Accessories

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Sensor/actuator cable

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Accessories

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 $\pm 65^\circ$