LED machine light - PLD M 260 W-75/95 1070/D70 - 2702489

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LED machine light, 24 V DC, emission angle 75 °/95 °, color temperature 5000 K, length 1070 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 216829
GTIN	4055626216829

Technical data

Dimensions

Width	70 mm

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Technical data

Dimensions

Height	58 mm
Length	1070 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	3800 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 technology	M12 connector
Connection method	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. 1.75 A (at 24 V DC)
Power consumption	approx. 42 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	84
Service life, lighting appliance	60000 h (L70)
Light color	Neutral white
Color temperature / wavelength	5000 K ±8 %
Color rendering index	85

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Light properties

Luminous flux	approx. 3200 lm (Net luminous flux)
Illumination	max. 1391 lx (Distance of 1 m)
Average illumination	1089 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

Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approval details

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

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