

LED machine light - PLD M 260 W-40/80 190/D40 - 2702938

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LED machine light, 24 V DC, emission angle 40 °/80 °, color temperature 5000 K, length 190 mm, diameter 40 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 small diameter of just 40 mm enables mounting even where space is at a premium.

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

- ✓ Space saving, thanks to the small 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 443911
GTIN	4055626443911

Technical data

Dimensions

Width	40 mm
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LED machine light - PLD M 260 W-40/80 190/D40 - 2702938

Technical data

Dimensions

Height	30 mm
Length	190 mm
Note on dimensions	Length without M12 flush-type connector

Ambient conditions

Ambient temperature (operation)	0 °C ... 50 °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/D40 mounting holder (Order No. 2702491) or the PLD M-ME MB/D40 mounting bracket (Order No. 2702527) is required in order to mount the light.
Color	aluminum color
Net weight	391.5 g
Mounting type	Screw mounting
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	20 V DC ... 28 V DC
Current consumption	typ. 0.21 A (at 24 V DC)
Power consumption	approx. 5 W (at 24 V DC)
Type of protection	Surge protection
	Reverse polarity protection

Connection data

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

Source of light type	LED
Number of LEDs	12
Service life, lighting appliance	60000 h (L70)
Light color	Neutral white
Color temperature / wavelength	≥ 5000 K
Color rendering index	80

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Technical data

Light properties

Luminous flux	approx. 490 lm (Net luminous flux)
Illumination	max. 393 lx (Distance of 1 m)
Average illumination	223 lx (Distance of 1 m over 1 m² area)
Emission angle	40 ° (C0-C180)

Standards and Regulations

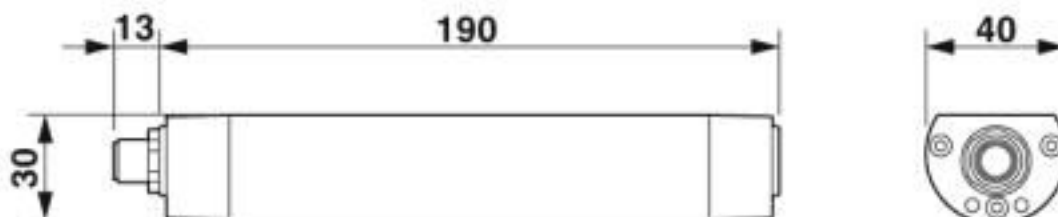
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 4g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 50g
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27110345
eCl@ss 5.1	27119101
eCl@ss 7.0	27119010
eCl@ss 8.0	27119010
eCl@ss 9.0	27110345

ETIM

ETIM 3.0	EC000348
ETIM 4.0	EC000348
ETIM 5.0	EC000348
ETIM 6.0	EC000302
ETIM 7.0	EC000302

UNSPSC

UNSPSC 6.01	39111510
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LED machine light - PLD M 260 W-40/80 190/D40 - 2702938

Classifications

UNSPSC

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
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cETL		http://www.intertek.com	Luminaires
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cETLus			
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Accessories

Accessories

Sensor/actuator cable

LED machine light - PLD M 260 W-40/80 190/D40 - 2702938

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, coding: A, 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, coding: A, 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, coding: A, 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, coding: A, 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, coding: A, 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, coding: A, cable length: 5 m

Necessary add-on products

Mounting holder - PLD M-ME MC/D40 - 2702492



Mounting holder, AlMgSi0,5: Aluminum, for machine lights PLD M 260 .../D40, Swiveling range $\pm 20^\circ$

Mounting brackets - PLD M-ME MB/D40 - 2702527



Mounting brackets, stainless, 2A (X5CrNi-18-10): Steel, for machine lights PLD M 260 .../D40, Swiveling range $\pm 45^\circ$

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