

## LED machine light - PLD M 260 W-85/95 190/D40 - 2702480

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LED machine light, 24 V DC, emission angle 85 °/95 °, 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 247786
GTIN	4055626247786
Weight per Piece (excluding packing)	380.000 g

## LED machine light - PLD M 260 W-85/95 190/D40 - 2702480

Custom tariff number	94054099
Country of origin	Germany

### Technical data

#### Dimensions

Width	40 mm
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	300 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 <sup>2</sup>
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

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## Technical data

### 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
Luminous flux	approx. 480 lm (Net luminous flux)
Illumination	max. 216 lx (Distance of 1 m)
Average illumination	156 lx (Distance of 1 m over 1 m <sup>2</sup> area)
Emission angle	85 ° (C0-C180)

### Standards and Regulations

Immunity to ESD	Noise immunity test in accordance with EN 61547 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 4 kV contact discharge, 8 kV air discharge
Immunity to EF	Noise immunity test in accordance with EN 61547 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, field strength: 3 V/m
Immunity to burst	Noise immunity test in accordance with EN 61547 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, ±0.5 kV
Immunity to conducted interference	Noise immunity test in accordance with EN 61547 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, test voltage 3 V
Interference emission	Noise emission test according to EN 61000-6-3 Radio interference properties EN 55015 Class B
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)

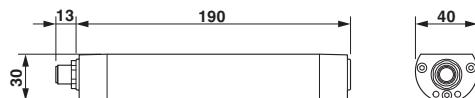
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

## LED machine light - PLD M 260 W-85/95 190/D40 - 2702480

Dimensional drawing



### Classifications

#### eCl@ss

eCl@ss 10.0.1	27110345
eCl@ss 11.0	27110345
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 9.0	27110345

#### ETIM

ETIM 3.0	EC000348
ETIM 4.0	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

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#### Approvals

ETLus / cETL / cETLus

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### Approvals

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Ex Approvals

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### Approval details

ETLus



<http://www.intertek.com>

LV-Lighting-Systems

cETL



<http://www.intertek.com>

Luminaires

cETLus



### Accessories

#### 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, coding: A, cable length: 1.5 m

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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

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### Accessories

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

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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

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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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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

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### 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  $\pm 20^\circ$

## LED machine light - PLD M 260 W-85/95 190/D40 - 2702480

### Accessories

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  $\pm 45^\circ$