

# LED machine light - PLD M 260 W-85/95 540/D40 - 2702482

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LED machine light, 24 V DC, emission angle 85 °/95 °, color temperature 5000 K, length 540 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



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626247816

## Technical data

### Dimensions

Width	40 mm
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## Technical data

### Dimensions

Height	30 mm
Length	540 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.
Net weight	800 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 mm <sup>2</sup>
Supply voltage	24 V DC
Supply voltage range	20 V DC ... 28 V DC
Current consumption	typ. 0.67 A (at 24 V DC)
Power consumption	approx. 16 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	42
Service life, lighting appliance	60000 h (L70)
Light color	Neutral white
Color temperature / wavelength	5000 K
Color rendering index	80

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### Light properties

Luminous flux	approx. 1680 lm (Net luminous flux)
Illumination	max. 732 lx (Distance of 1 m)
Average illumination	541 lx (Distance of 1 m over 1 m² area)
Emission angle	85 ° (C0-C180)

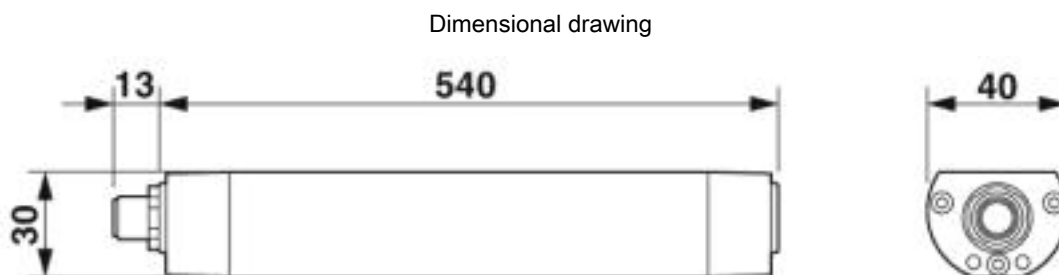
### Standards and Regulations

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



## Approvals

### Approvals

Approvals

ETLus / cETL / cETLus


Ex Approvals

### Approval details

ETLus		<a href="http://www.intertek.com">http://www.intertek.com</a>	LV-Lighting-Systems
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### Approvals

cETL		<a href="http://www.intertek.com">http://www.intertek.com</a>	Luminaires
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cETLus			
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