

## LED machine light - PLD M 280 W-40 284 - 2702491

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LED machine light, 24 V DC, emission angle 40 °, color temperature 6500 K, length 284 mm, Light housing: Anodized aluminum, Pane: Single-pane safety glass (ESG, thermally toughened float glass), 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 safety glass

The IP67/IPX9 protection allows use in machines that undergo high-pressure cleaning.

### Your advantages

- ✓ Space saving, thanks to the low height
- ✓ Ready to connect by means of punched-on 3 m supply line
- ✓ Focused illumination, thanks to 40° emission angle
- ✓ IP67 protection and resistance to cooling agents and lubricants enables use in machine tools
- ✓ IP69 protection enables use even under the most demanding requirements in terms of the degree of protection
- ✓ 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 50,000 h

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 216850
GTIN	4055626216850

### Technical data

#### Dimensions

Width	74 mm
Height	20 mm

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## Technical data

### Dimensions

Length	284 mm
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### Ambient conditions

Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 50 °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/IPX9

### General

Net weight	1000 g
Mounting type	Screw mounting

### Power supply for module electronics

Connection method	open cable end
Cable length	approx. 3 m
Supply voltage	24 V DC
Supply voltage range	22 V DC ... 26 V DC
Current consumption	typ. 0.54 A (at 24 V DC)
Power consumption	approx. 13 W (at 24 V DC)
Type of protection	Surge protection
	Reverse polarity protection

### Light properties

Source of light type	LED
Number of LEDs	6
Service life, lighting appliance	50,000 h (L70)
Light color	daylight white
Color temperature / wavelength	6500 K ±10 %
Color rendering index	65
Luminous flux	approx. 460 lm (Net luminous flux)
Illumination	max. 869 lx (Distance of 1 m)
Average illumination	347 lx (Distance of 1 m over 1 m² area)
Emission angle	40 °

### Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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### Environmental Product Compliance

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

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## Approvals

### Approvals

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#### Approvals

ETLus / cETL / cETLus


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#### Ex Approvals

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### Approval details

ETLus		<a href="http://www.intertek.com">http://www.intertek.com</a>	LV-Lighting-Systems
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cETL		<a href="http://www.intertek.com">http://www.intertek.com</a>	Luminaires
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cETLus			
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