

## 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.

### Why buy this product

- ✓ 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 STK   |
| GTIN         | <br>4 055626 216850 |
| GTIN         | 4055626216850   |

### Technical data

#### Dimensions

|        |       |
|--------|-------|
| Width  | 74 mm |
| Height | 20 mm |

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## Technical data

### Dimensions

|        |        |
|--------|--------|
| Length | 284 mm |
|--------|--------|

### 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                | 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 |
|------------------|--------------------------------------|

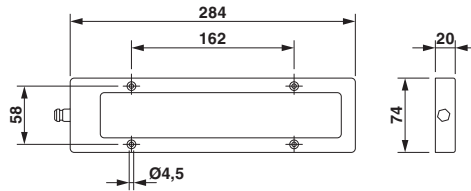
### Environmental Product Compliance

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

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## Drawings

Dimensional drawing



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

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