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

2702482

https://www.phoenixcontact.com/gb/products/2702482

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



LED machine light, 24 V DC, emission angle (vertical/Horizontal): 85 °/95 °, length: 540 mm, diameter: 40 mm, degree of protection: IP67, can be swiveled, 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 following properties: - High type of protection - Resistance to common cooling agents and lubricants - Resistance to vibrations and shock - 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 60000 h

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 2702482 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DRL222 |

| | |
|---|---|
| Product key | DRL222 |
| GTIN | 4055626247816 |
| Weight per piece (including packing) | 1,100 g |
| Weight per piece (excluding packing) | 986 g |
| Customs tariff number | 94054239 |
| Country of origin | DE |

# Technical data

## Notes

| | |
|---|---|
| Order information: | The PLD M-ME MC/D40 mounting holder (item no. 2702492) or the PLD M-ME MB/D40 mounting bracket (item no. 2702527) is required to mount the light. |

Note on application

| | |
|---|---|
| Note on application | Only for industrial use |

## Product properties

| | |
|---|---|
| Product type | Machine light |
| Application | Machine tool |
| Mounting position | any |
| Special properties | can be swiveled with mounting accessories |
| | resistant to coolants and lubricants |

## Electrical properties

Supply: Module electronics

| | |
|---|---|
| Connection method | M12 connector, A-coded |
| Number of positions | 4 |
| Permissible conductor cross-section | min. 0.34 mm² |
| 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) |
| Protective circuit | Surge protection; Varistor and suppressor diode, 36 V DC |
| | Reverse polarity protection; Polarity protection diode |

## Connection data

| | |
|---|---|
| Connection method | M12 connector, A-coded |

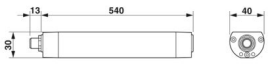
## Signaling

Light properties

| | |
|---|---|
| Source of light type | LED |
| Number of LEDs | 42 |
| Color temperature | 5000 K |
| Color rendering index | 80 |
| Luminous flux | approx. 1680 lm (Net luminous flux) |
| Luminous efficacy | approx. 105 lm/W |
| Illumination | max. 732 lx (Distance of 1 m) |
| | min. 326 lx (Distance of 1 m over 1 m² area) |
| Average illumination | 541 lx (Distance of 1 m over 1 m² area) |
| Emission angle | 85 ° (C0-C180) |

| | |
|---|---|
| | 95 ° (C90-C270) |
| Ordinance | Delegated Regulation (EU) 2019/2015 |
| Energy efficiency class | E (3 light sources) |
| Note | This product contains energy efficiency class E light sources. |

## Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 40 mm |
| Height | 30 mm |
| Length | 540 mm |
| Diameter | 40 mm |
| Note on dimensions | Length without M12 flush-type connector |

## Material specifications

| | |
|---|---|
| Color (Housing) | aluminum color |
| | black (RAL 9005) |
| Material | Anodized aluminum (Light housing) |
| | Single-pane safety glass (ESG, thermally toughened float glass) (Pane) |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | 0 °C ... 50 °C |
| Degree of protection | IP67 |
| Air pressure (operation) | 69 kPa ... 102 kPa |
| Air pressure (storage/transport) | 69 kPa ... 102 kPa |
| Ambient temperature (storage/transport) | -20 °C ... 75 °C |
| Permissible humidity (operation) | 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 95 % (non-condensing) |

### Mechanical test

| | |
|---|---|
| Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6 | 4g |
| Shock in accordance with EN 60068-2-27/IEC 60068-2-27 | 50g |

### Energy labeling

| | |
|---|---|
| Ordinance | Delegated Regulation (EU) 2019/2015 |
| Note (EPREL) | The EPREL entry can be searched for with the registration number (https://eprel.ec.europa.eu/screen/home) |
| | The EPREL entry can be searched for with the model ID (https://eprel.ec.europa.eu/screen/product/lightsources) |

### Energy labeling (Light source 1)

| | |
|---|---|
| Registration number | 1097904 |

| | |
|---|---|
| Model ID | 629129 |
| Energy efficiency class | E |
| Number of light sources | 1 |

Energy labeling (Light source 2)

| | |
|---|---|
| Registration number | 1097905 |
| Model ID | 639131 |
| Energy efficiency class | E |
| Number of light sources | 2 |

## Standards and regulations

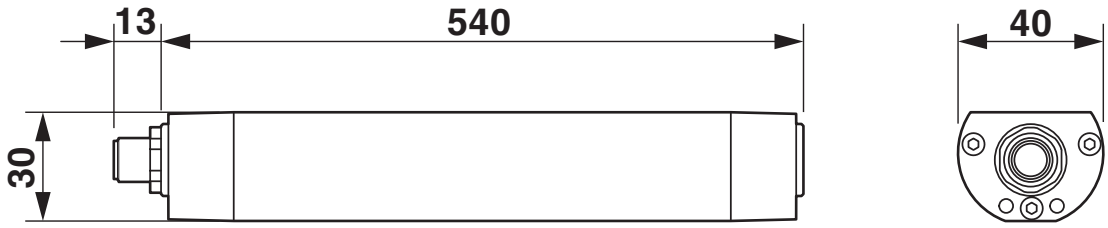
| | |
|---|---|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |

## Mounting

| | |
|---|---|
| Mounting type | Screw mounting (See necessary accessories for mounting accessories) |
| Mounting position | any |

## Drawings

Dimensional drawing



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2702482

**ETLus**
Approval ID: LV-Lighting-Systems

**cETL**
Approval ID: Luminaires

**EAC**
Approval ID: TR_TS_D_12879-22

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27110345 |
| ECLASS-15.0 | 27110345 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000348 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151500 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 15(a), 6(a)-I, 6(c), 7(a), 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1) |
| SCIP | 16d8f907-a966-438f-a9de-61dff7b2153d |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 28.678 kg CO2e |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk