

## LED machine light - PLD M 260 W-85/95 540/D40/SC - 2702935

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



LED machine light, 24 V DC, degree of protection IP67, 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, can be switched in series

### 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.

To reduce the cabling effort for longer machines, the lights can be switched in series.

### Why buy this product

- ✓ 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
- ✓ Minimal wiring effort, thanks to series connection
- ✓ 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 STK                                                                                                   |
| GTIN                                 | <br>4 055626 443782 |
| GTIN                                 | 4055626443782                                                                                           |
| Weight per Piece (excluding packing) | 1,020.000 g                                                                                             |
| Custom tariff number                 | 94054099                                                                                                |
| Country of origin                    | Germany                                                                                                 |

# LED machine light - PLD M 260 W-85/95 540/D40/SC - 2702935

## Technical data

### Dimensions

|                    |                                         |
|--------------------|-----------------------------------------|
| Width              | 40 mm                                   |
| 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            | 1100 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 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) |
|-------------------|--------------------------|

### Light properties

|                      |     |
|----------------------|-----|
| Source of light type | LED |
| Number of LEDs       | 42  |

# LED machine light - PLD M 260 W-85/95 540/D40/SC - 2702935

## Technical data

### Light properties

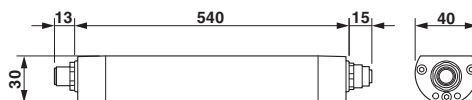
|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Service life, lighting appliance | 60000 h (L70)                           |
| Light color                      | Neutral white                           |
| Color temperature                | 5000 K                                  |
| Color rendering index            | 80                                      |
| 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                            |

## Drawings

Dimensional drawing



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27119101 |
| eCl@ss 7.0 | 27119010 |
| eCl@ss 8.0 | 27119010 |
| eCl@ss 9.0 | 27110345 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000348 |
| ETIM 4.0 | EC000348 |
| ETIM 5.0 | EC000348 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 39111510 |
| UNSPSC 7.0901 | 39111510 |
| UNSPSC 11     | 39111510 |

## LED machine light - PLD M 260 W-85/95 540/D40/SC - 2702935

### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 39111510 |
| UNSPSC 13.2  | 39101601 |

### 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> |  |
|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|--|

### 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, A-coded, cable length: 1.5 m

## LED machine light - PLD M 260 W-85/95 540/D40/SC - 2702935

### Accessories

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, A-coded, cable length: 3 m

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, A-coded, cable length: 5 m

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, A-coded, cable length: 1.5 m

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, A-coded, cable length: 3 m

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, A-coded, cable length: 5 m

### Necessary add-on products

## LED machine light - PLD M 260 W-85/95 540/D40/SC - 2702935

### Accessories

Mounting holder - PLD M-ME MC/D40 - 2702492



Mounting holder, ALMgSi0,5: Aluminum, for machine lights PLD M 260 .../D40, Swiveling range  $\pm 20^\circ$

---

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  $\pm 45^\circ$