

PLD M 140 W 895/D25 - LED machine light



1118015

<https://www.phoenixcontact.com/us/products/1118015>

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LED machine light, 24 V DC, emission angle (vertical/Horizontal): 89 °/97 °, length: 895 mm, diameter: 25 mm, degree of protection: IP54, can be swiveled

Figure shows length variant with 615 mm

Product description

This LED machine light is designed to provide illumination inside or on machinery. The small diameter of just 25 mm enables mounting even where space is at a premium. The mounting accessories included also enable easy mounting on aluminum system profiles. In the mounting brackets supplied, the light can swivel and the lighting can therefore be optimally aligned. The satin-finished plastic cover prevents glare for the machine operator.

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
- 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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1118015 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DR08 |
| Product key | DRL221 |
| GTIN | 4063151046316 |
| Weight per piece (including packing) | 740 g |
| Weight per piece (excluding packing) | 388 g |
| Customs tariff number | 94054239 |
| Country of origin | DE |

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Technical data

Notes

Note on application

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

Product properties

| | |
|--------------------|--------------------------------|
| Product type | Machine light |
| Application | Machine |
| Mounting position | any |
| Special properties | can be swiveled $\pm 60^\circ$ |

Electrical properties

Supply: Module electronics

| | |
|-------------------------------------|---|
| Connection method | M12 connector, A-coded |
| Number of positions | 5 |
| Permissible conductor cross-section | min. 0.34 mm ² |
| Supply voltage | 24 V DC |
| Supply voltage range | 22 V DC ... 26 V DC |
| Current consumption | typ. 0.75 A (at 24 V DC) |
| Power consumption | approx. 18 W (at 24 V DC) |
| Protective circuit | Surge protection; Suppressor diode, 36 V DC Reverse polarity protection; Polarity protection diode |

Input data

Digital:

| | |
|--------------------------------|---------------------|
| Input name | Digital inputs |
| Number of inputs | 1 |
| Input voltage range "0" signal | -3 V DC ... 5 V DC |
| Input voltage range "1" signal | 15 V DC ... 30 V DC |
| Nominal input voltage U_{IN} | 24 V DC |
| Input frequency | max. 2 Hz |

Signaling

Light properties

| | |
|-----------------------|-------------------------------------|
| Source of light type | LED |
| Number of LEDs | 72 |
| Color temperature | ≥ 5000 K |
| Color rendering index | 80 |
| Luminous flux | approx. 1890 lm (Net luminous flux) |
| Luminous efficacy | approx. 105 lm/W |
| Illumination | max. 671 lx (Distance of 1 m) |

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| | |
|-------------------------|--|
| | min. 331 lx (Distance of 1 m over 1 m ² area) |
| Average illumination | 508 lx (Distance of 1 m over 1 m ² area) |
| Emission angle | 89 ° (C0-C180) 97 ° (C90-C270) |
| Ordinance | Delegated Regulation (EU) 2019/2015 |
| Energy efficiency class | E (2 light sources) |
| Note | This product contains energy efficiency class E light sources. |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 25 mm |
| Height | 26.5 mm |
| Length | 895 mm |
| Diameter | 25 mm |
| Note on dimensions | Length without M12 flush-type connector |

Material specifications

| | |
|-------|----------------|
| Color | aluminum color |
|-------|----------------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|-----------------------|
| Ambient temperature (operation) | 0 °C ... 40 °C |
| Degree of protection | IP54 |
| Air pressure (operation) | 69 kPa ... 102 kPa |
| Air pressure (storage/transport) | 69 kPa ... 102 kPa |
| Ambient temperature (storage/transport) | -10 °C ... 50 °C |
| Permissible humidity (operation) | 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 95 % (non-condensing) |

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 | 1097916 |
| Model ID | 801096 |
| Energy efficiency class | E |
| Number of light sources | 1 |

Energy labeling (Light source 2)

| | |
|---------------------|---------|
| Registration number | 1097918 |
|---------------------|---------|

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| | |
|-------------------------|--------|
| Model ID | 801101 |
| Energy efficiency class | E |
| Number of light sources | 1 |

Standards and regulations

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

Mounting

| | |
|-------------------|--|
| Mounting type | Screw mounting (via supplied mounting brackets and fastening elements) |
| Mounting position | any |

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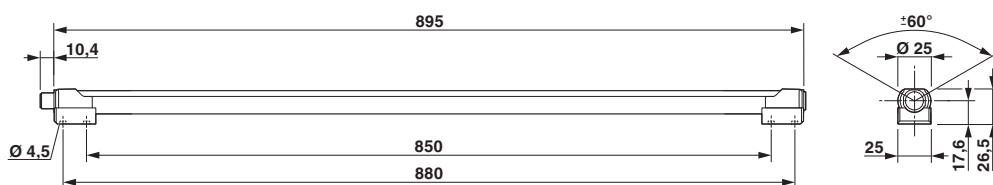


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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1118015>



ETLus

Approval ID: LV-Lighting-Systems



cETL

Approval ID: Luminaires



EAC

Approval ID: TR_TS_D_12879-22

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|----------------------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 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) |
| SCIP | 5fb1b8b3-e802-4421-a0b2-0ba9deb1336c |

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