

PLD M 140 W 895/D35/SC - LED machine light



1118028

<https://www.phoenixcontact.com/us/products/1118028>

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 °/101 °, length: 895 mm, diameter: 35 mm, degree of protection: IP54, can be swiveled, Dimming, can be switched in series

Product description

This LED machine light is designed to provide illumination inside or on machinery. The small diameter of just 35 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 brightness of the light can be adjusted in six levels by up to three control signals. This means that the brightness can be optimally adjusted to the relevant light conditions. The satin-finished plastic cover prevents glare for the machine operator. When using several lights, the series connection of the lights reduces cabling effort.

Your advantages

- Plug-in supply line enables free choice of the cable length as well as quick and easy installation
- Can be used at high temperatures and can be subjected to strong vibrations and shocks
- Can be swiveled up to $\pm 75^\circ$ using accessories
- Dimming
- Can be connected in series
- IP54 degree of protection
- 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 | 1118028 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |

PLD M 140 W 895/D35/SC - LED machine light



1118028

<https://www.phoenixcontact.com/us/products/1118028>

| | |
|--------------------------------------|---------------|
| Sales key | DR08 |
| Product key | DRL221 |
| GTIN | 4063151046118 |
| Weight per piece (including packing) | 1,180 g |
| Weight per piece (excluding packing) | 698 g |
| Customs tariff number | 94054239 |
| Country of origin | DE |

PLD M 140 W 895/D35/SC - LED machine light



1118028

<https://www.phoenixcontact.com/us/products/1118028>

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 $\pm 75^\circ$ |
| | Dimming adjustable in six levels |
| | can be switched in series |

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. 1.042 A (at 24 V DC) |
| Power consumption | approx. 25 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 | 3 |
| 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. 3300 lm (Net luminous flux) |

PLD M 140 W 895/D35/SC - LED machine light




1118028

<https://www.phoenixcontact.com/us/products/1118028>

| | |
|-------------------------|--|
| Luminous efficacy | approx. 132 lm/W |
| Illumination | max. 1212 lx (Distance of 1 m) |
| | min. 621 lx (Distance of 1 m over 1 m ² area) |
| Average illumination | 935 lx (Distance of 1 m over 1 m ² area) |
| Emission angle | 85 ° (C0-C180) |
| | 101 ° (C90-C270) |
| Ordinance | Delegated Regulation (EU) 2019/2015 |
| Energy efficiency class | C (2 light sources) |
| Note | This product contains energy efficiency class C light sources. |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 35 mm |
| Height | 38.5 mm |
| Length | 895 mm |
| Diameter | 35 mm |
| Note on dimensions | Length without M12 flush-type connector, height including mounting holder |

Material specifications

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

Environmental and real-life conditions

Ambient conditions

| | |
|--|-----------------------|
| Ambient temperature (operation) | 0 °C ... 50 °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) |

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 | 25g |

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) |

PLD M 140 W 895/D35/SC - LED machine light



1118028

<https://www.phoenixcontact.com/us/products/1118028>

Energy labeling (Light source 1)

| | |
|-------------------------|---------|
| Registration number | 1097920 |
| Model ID | 803794 |
| Energy efficiency class | C |
| Number of light sources | 1 |

Energy labeling (Light source 2)

| | |
|-------------------------|---------|
| Registration number | 1097928 |
| Model ID | 804474 |
| Energy efficiency class | C |
| 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 |

PLD M 140 W 895/D35/SC - LED machine light

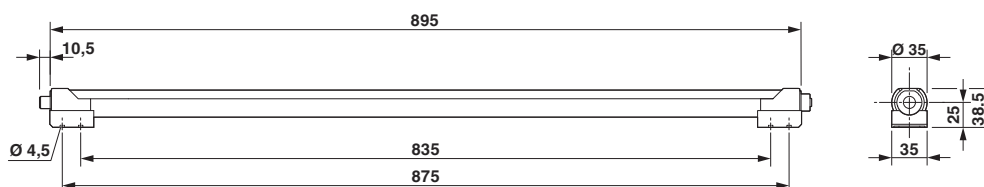
1118028

<https://www.phoenixcontact.com/us/products/1118028>



Drawings

Dimensional drawing



PLD M 140 W 895/D35/SC - LED machine light



1118028

<https://www.phoenixcontact.com/us/products/1118028>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1118028>



ETLus

Approval ID: LV-Lighting-Systems



cETL

Approval ID: Luminaires



EAC

Approval ID: TR_TS_D_12879-22

PLD M 140 W 895/D35/SC - LED machine light



1118028

<https://www.phoenixcontact.com/us/products/1118028>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

1118028

<https://www.phoenixcontact.com/us/products/1118028>

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 | f84e7f20-5fdf-46b5-ac5b-65ce38a6fa98 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 23.89 kg CO2e |
|---------|---------------|

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

Phoenix Contact USA
 586 Fulling Mill Road
 Middletown, PA 17057, United States
 (+717) 944-1300
info@phoenixcon.com