# PLD M 160 W-95/105 896 - LED machine light

2702478

https://www.phoenixcontact.com/us/products/2702478

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LED machine light, 24 V DC, emission angle (vertical/Horizontal): 95 °/105 °, length: 896 mm, degree of protection: IP67, can be swiveled, including mounting accessories

## Product description

This LED machine light is designed to provide illumination inside or on machinery. Due to the narrow design, it can be mounted even where space is at a premium. In the light holder 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

- Narrow design enables mounting even in confined spaces
- Ready to connect by means of punched-on 3 m supply line
- Focused illumination, thanks to swivel action
- IP67 protection enables use even in wet environments
- 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 50000 h

## Commercial data

| | |
|---|---|
| Item number | 2702478 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DR08 |
| Product key | DRL221 |
| GTIN | 4055626213842 |
| Weight per piece (including packing) | 1,200 g |
| Weight per piece (excluding packing) | 800 g |
| Customs tariff number | 94054239 |
| Country of origin | DE |

# 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 Swiveling range ±35° |
| | including mounting accessories |

## Electrical properties

Supply: Module electronics

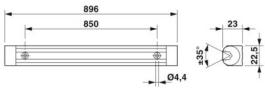
| | |
|---|---|
| Connection method | open cable end |
| Cable length | approx. 3 m |
| Supply voltage | 24 V DC |
| Supply voltage range | 22 V DC ... 26 V DC |
| Current consumption | typ. 0.875 A (at 24 V DC) |
| Power consumption | approx. 21 W (at 24 V DC) |
| Protective circuit | Surge protection; Suppressor diode, 28 V DC |
| | Reverse polarity protection; Polarity protection diode |

## Signaling

Light properties

| | |
|---|---|
| Source of light type | LED |
| Number of LEDs | 36 |
| Color temperature | 6600 K ±10 % |
| Color rendering index | 75 |
| Luminous flux | approx. 900 lm (Net luminous flux) |
| Luminous efficacy | approx. 43 lm/W |
| Illumination | max. 833 lx (50 cm distance) |
| | min. 150 lx (Distance of 50 cm over 1 $m^2$ area) |
| Average illumination | 449 lx (Distance of 50 cm over 1 $m^2$ area) |
| Emission angle | 95 ° (C0-C180) |
| | 105 ° (C90-C270) |
| Ordinance | Delegated Regulation (EU) 2019/2015 |
| Energy efficiency class | E (6 light sources) |
| Note | This product contains energy efficiency class E light sources. |

## Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 22.5 mm |
| Height | 23 mm |
| Length | 896 mm |

## Material specifications

| | |
|---|---|
| Color | aluminum color |
| Material | Anodized aluminum (Light housing) |
| | Satined acrylic (Light cover) |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | 0 °C ... 40 °C |
| Degree of protection | IP67 |
| 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 | 1933864 |
| Model ID | 812293 |
| Energy efficiency class | E |
| Number of light sources | 6 |

## Standards and regulations

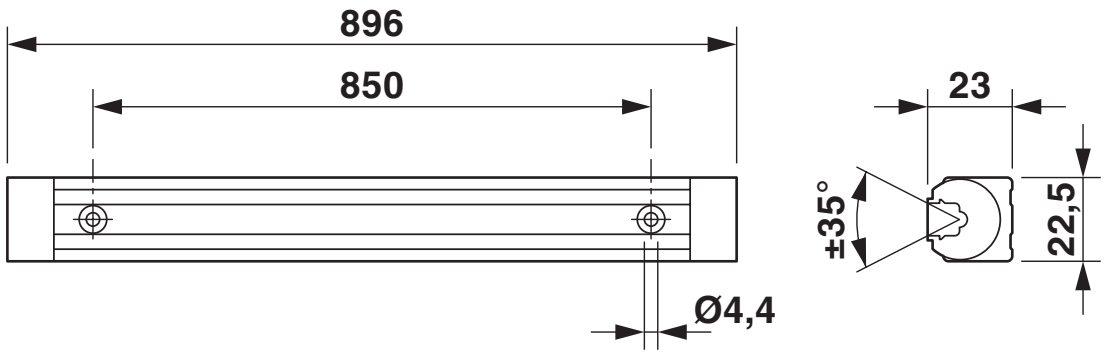
| | |
|---|---|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |

## Mounting

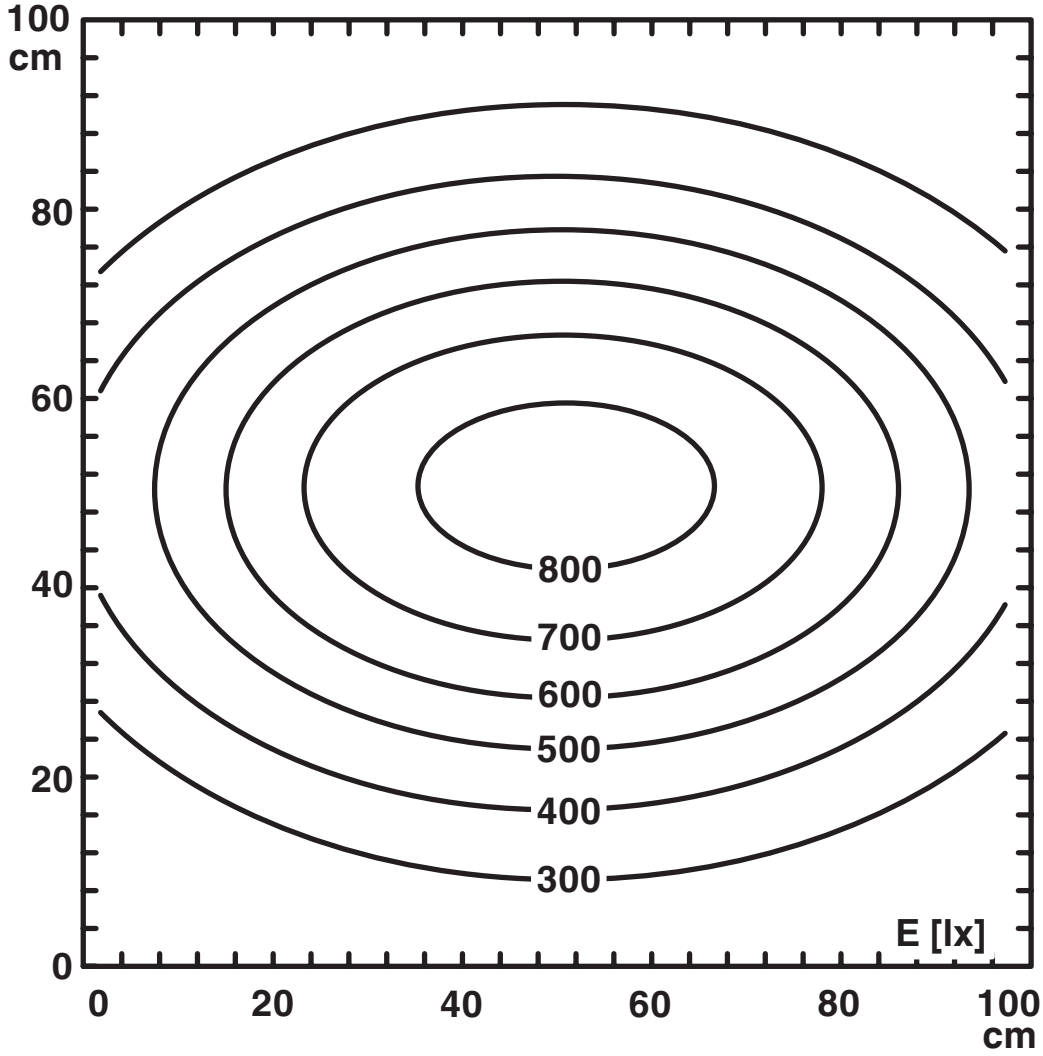
| | |
|---|---|
| Mounting type | Screw mounting (via supplied light holder) |
| Mounting position | any |

## Drawings

Dimensional drawing

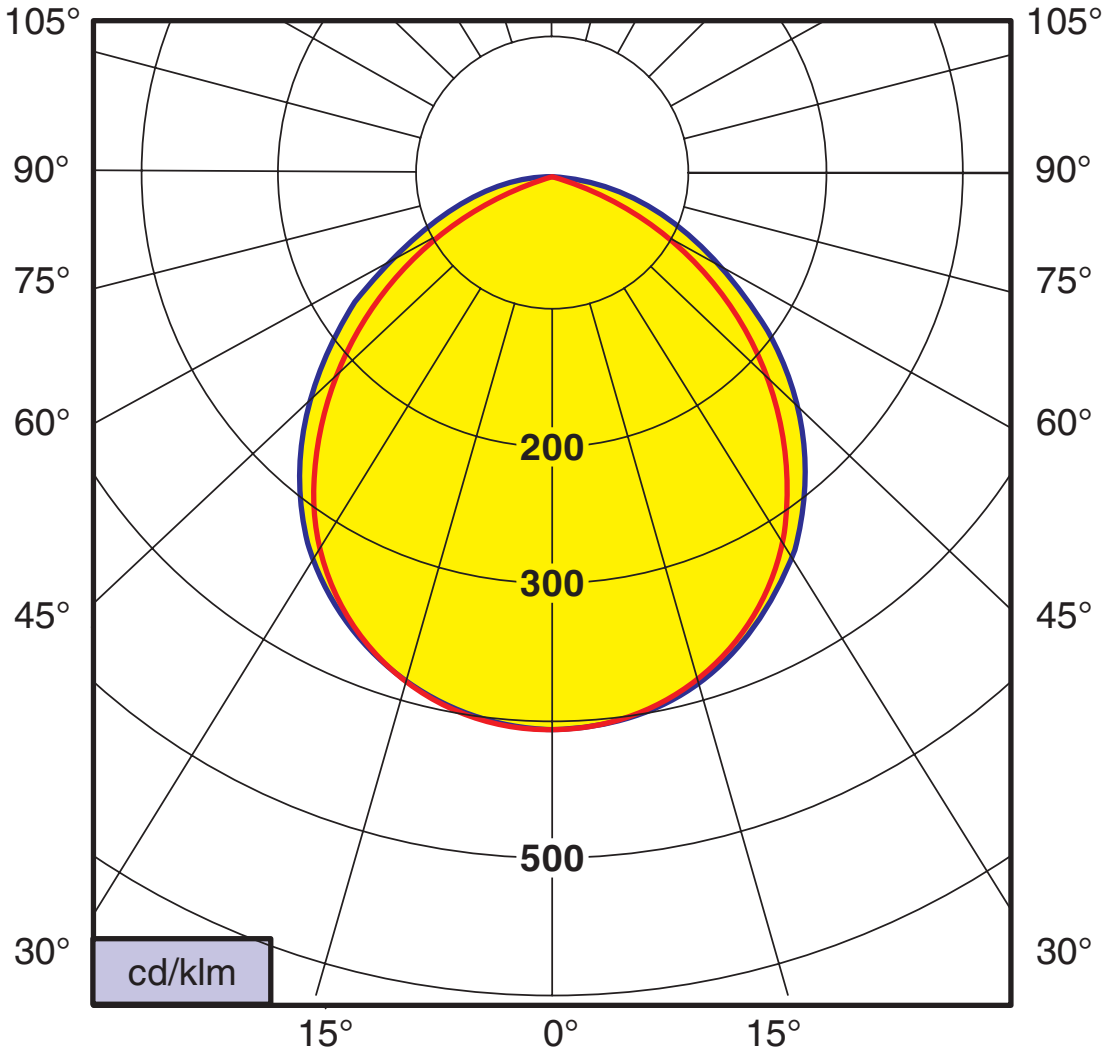


Diagram




Illuminance distribution
(distance d = 0.5 m)

Diagram




Luminous intensity distribution (LID)
(red line: C0 - C180, blue line: C90 - C270)

## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC000348 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

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

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