

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

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 60,000 h

Commercial data

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

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Technical data

Product properties

Product type	Machine light
Mounting position	any
Application	Machine
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

Signaling

Light properties

Source of light type	LED
Number of LEDs	72
Service life, lighting appliance	60000 h (L70)
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) 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

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

Material specifications

Color	aluminum color
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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)

Standards and regulations

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

Mounting type	Screw mounting
Assembly instructions	Mounting with fixing elements and mounting brackets
Mounting position	any

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Classifications

ECLASS

ECLASS-11.0	27110345
ECLASS-12.0	27110345
ECLASS-13.0	27110345

ETIM

ETIM 9.0	EC000348
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UNSPSC

UNSPSC 21.0	32151500
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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