

PLD M 140 W 195/D35/SC - LED machine light



1118021

<https://www.phoenixcontact.com/us/products/1118021>

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LED machine light, 24 V DC, emission angle (vertical/Horizontal): 85 °/101 °, length: 195 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 60,000 h

Commercial data

Item number	1118021
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRL221
GTIN	4063151046477
Weight per piece (including packing)	320 g
Weight per piece (excluding packing)	203 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 $\pm 75^\circ$
	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. 0.208 A (at 24 V DC)
Power consumption	approx. 5 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	12
Service life, lighting appliance	60000 h (L70)
Color temperature	≥ 5000 K
Color rendering index	80
Luminous flux	approx. 550 lm (Net luminous flux)
Luminous efficacy	approx. 110 lm/W
Illumination	max. 225 lx (Distance of 1 m)
	min. 107 lx (Distance of 1 m over 1 m ² area)
Average illumination	167 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 (1 light source)
Note	This product contains an energy efficiency class C light source.

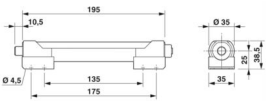
Dimensions

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Dimensional drawing	
Width	35 mm
Height	38.5 mm
Length	195 mm
Diameter	35 mm
Note on dimensions	Length without M12 flush-type connector, height including mounting holder

Material specifications

Color	aluminum color
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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)

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-13.0	27110345
ECLASS-12.0	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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