

PLD M 140 W 195/D25 - LED machine light



1118035

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LED machine light, 24 V DC, emission angle (vertical/Horizontal): 89 °/97 °, length: 195 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 60000 h

Commercial data

Item number	1118035
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	DRL221
GTIN	4063151045494
Weight per piece (including packing)	158 g
Weight per piece (excluding packing)	91 g
Customs tariff number	94054239
Country of origin	DE

PLD M 140 W 195/D25 - LED machine light



1118035

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Technical data

Notes

Note on application

Note on application	Only for industrial use
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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. 0.125 A (at 24 V DC)
Power consumption	approx. 3 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
Color temperature	≥ 5000 K
Color rendering index	80
Luminous flux	approx. 315 lm (Net luminous flux)
Luminous efficacy	approx. 105 lm/W
Illumination	max. 126 lx (Distance of 1 m) min. 57 lx (Distance of 1 m over 1 m ² area)
Average illumination	91 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 (1 light source)
Note	This product contains an energy efficiency class E light source.

Dimensions

PLD M 140 W 195/D25 - LED machine light



1118035

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Dimensional drawing	
Width	25 mm
Height	26.5 mm
Length	195 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 note	Mounting with fixing elements and mounting brackets
Mounting position	any

PLD M 140 W 195/D25 - LED machine light

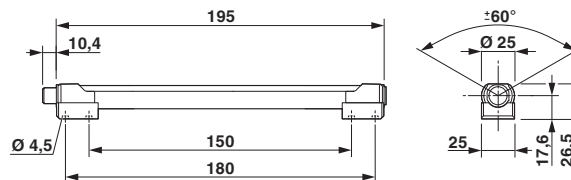
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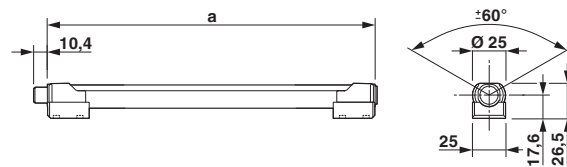


Drawings

Dimensional drawing



Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1118035>



ETLus

Approval ID: LV-Lighting-Systems



cETL

Approval ID: Luminaires



EAC

Approval ID: TR_TS_D_12879-22



EAC-RoHS

Approval ID: RU D-DE.HB35.B.00391

cETLus

PLD M 140 W 195/D25 - LED machine light



1118035

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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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<https://www.phoenixcontact.com/in/products/1118035>

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	9add687d-4961-48fb-9f4f-926b0d63399c

PLD M 140 W 195/D25 - LED machine light



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Accessories

SAC-4P- 1,5-PUR/M12FS - Sensor/actuator cable

1668108

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 1.5 m

SAC-4P- 3,0-PUR/M12FS - Sensor/actuator cable

1668111

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 3 m

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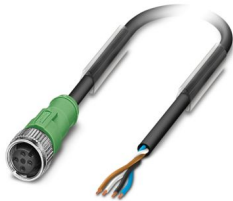
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SAC-4P- 5,0-PUR/M12FS - Sensor/actuator cable

1668124

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 5 m

SAC-4P- 1,5-PUR/M12FR - Sensor/actuator cable

1668221

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12, coding: A, cable length: 1.5 m

PLD M 140 W 195/D25 - LED machine light



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SAC-4P- 3,0-PUR/M12FR - Sensor/actuator cable

1668234

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12, coding: A, cable length: 3 m

SAC-4P- 5,0-PUR/M12FR - Sensor/actuator cable

1668247

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12, coding: A, cable length: 5 m

PLD M 140 W 195/D25 - LED machine light



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SAC-4P-M12MS/ 1,5-PUR/M12FS - Sensor/actuator cable

1668373

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 1.5 m

SAC-4P-M12MS/ 3,0-PUR/M12FS - Sensor/actuator cable

1668386

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 3 m

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SAC-4P-M12MS/ 5,0-PUR/M12FS - Sensor/actuator cable

1694075

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 5 m

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PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in