

PLD M 360 W-100 695 - LED machine light



2701694

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LED machine light, 24 V DC, Neutral white, emission angle (vertical/Horizontal): 100 °, length: 695 mm, M12 connector, degree of protection: IP67, can be switched in series, Dimming, Flash mode, resistant to coolants and lubricants, including mounting accessories

Product description

The LED light is designed to provide illumination inside or on machinery. M12 sensor/actuator cables enable multiple lights to be connected one after the other and to be switched on and off via the light interface, dimmed continuously, and operated in flash mode. In addition, the integrated high-quality optics prevent glare for the machine operator.

Your advantages

- Two PWM inputs for dimming and flash mode
- Protection against polarity reversal, excessively high supply voltage, and overtemperature
- Error indication via digital output
- Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 50000 h
- Can be switched in series via sensor/actuator cables with SPEEDCON M12 rapid interlock system
- Homogenous and glare-free lighting thanks to innovative optics

Commercial data

Item number	2701694
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR08
Product key	DRL223
GTIN	4046356783354
Weight per piece (including packing)	1,630 g
Weight per piece (excluding packing)	1,630 g
Customs tariff number	94054099
Country of origin	DE

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Technical data

Product properties

Product type	Machine light
Application	Machine Machine tool
Mounting position	any
Special properties	can be switched in series Dimming Flash mode resistant to coolants and lubricants including mounting accessories
Light color	Neutral white

Electrical properties

Maximum power dissipation for nominal condition	36 W
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Supply: Module electronics

Connection technology	M12 connector
Connection method	M12 connector, A-coded
Number of positions	5
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 28.8 V DC
Current consumption	typ. 1.5 A (at 24 V DC)
Power consumption	typ. 36 W

Connection data

Connection method	M12 connector, A-coded
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Signaling

Light properties

Source of light type	LED
Number of LEDs	16
Color temperature	5000 K \pm 5 %
Color rendering index	Ra \geq 80
Luminous flux	1815 lm
Illumination	max. 2660 lx (50 cm distance) max. 830 lx (Distance of 1 m)
Luminous intensity	max. 915 Cd
Average illumination	1145 lx (1 m x 1 m measuring field with 50 cm distance)
Can be dimmed	Via PWM signal
Emission angle	100 °

Dimensions

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Width	60 mm
Height	35 mm
Length	695 mm
Note on dimensions	Length without M12 flush-type connector

Material specifications

Color	silver
Material	Anodized aluminum (Light housing)
	Satined acrylic (Light cover)
Material	Anodized aluminum
	Laminated safety glass (LSG)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP67
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	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
Mounting position	any

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Classifications

ECLASS

ECLASS-13.0

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