

# PLD M 360 W-50 695 - LED machine light



2701691

<https://www.phoenixcontact.com/us/products/2701691>

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LED machine light, 24 V DC, Neutral white, emission angle (vertical/Horizontal): 50 °, 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

- Protection against polarity reversal, excessively high supply voltage, and overtemperature
- Error indication via digital output
- Two PWM inputs for dimming and flash mode
- Laminated safety glass enables use even in environments with potential mechanical strain
- 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
- Focused illumination, thanks to 50° emission angle
- Homogenous and glare-free lighting thanks to innovative optics

## Commercial data

Item number	2701691
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C21
Product key	DRL223
GTIN	4046356783330
Weight per piece (including packing)	2,350 g
Weight per piece (excluding packing)	2,000 g
Customs tariff number	94054099
Country of origin	DE

## 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	22 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. 0.92 A (at 24 V DC)
Power consumption	typ. 22 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
Light color	Neutral white
Color temperature	5000 K $\pm$ 5 %
Color rendering index	Ra $\geq$ 80
Luminous flux	1410 lm
Illumination	max. 4830 lx (50 cm distance)
	max. 1755 lx (Distance of 1 m)
Luminous intensity	max. 2110 Cd
Average illumination	1160 lx (1 m x 1 m measuring field with 50 cm distance)
Can be dimmed	Via PWM signal
Emission angle	50 °

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## Dimensions

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)
	Satinized 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

27110345

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