

LED machine light - PLD M 160 W-95/105 616 - 2702477

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



LED machine light, 24 V DC, emission angle 95 °/105 °, color temperature 6200 K, length 616 mm, Light housing: Anodized aluminum, Light cover: Satined acrylic, pivoting, including mounting accessories

Product Description

This LED machine light is designed to provide illumination inside or on machinery. Due to the narrow design, it can be mounted even where space is at a premium. In the light holder 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

- ✓ Narrow design enables mounting even in confined spaces
- ✓ Ready to connect by means of punched-on 3 m supply line
- ✓ Focused illumination, thanks to swivel action
- ✓ IP67 protection enables use even in wet environments
- ✓ 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 50 000 h

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 213828
GTIN	4055626213828
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	94054099
Country of origin	Germany

Technical data

Dimensions

LED machine light - PLD M 160 W-95/105 616 - 2702477

Technical data

Dimensions

Width	22.5 mm
Height	23 mm
Length	616 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-10 °C ... 50 °C
Permissible humidity (operation)	95 %
Permissible humidity (storage/transport)	95 % (non-condensing)
Air pressure (operation)	69 kPa ... 102 kPa
Air pressure (storage/transport)	69 kPa ... 102 kPa
Degree of protection	IP67

General

Color	aluminum color
Net weight	700 g
Mounting type	Screw mounting
Mounting position	any

Power supply for module electronics

Connection method	open cable end
Cable length	approx. 3 m
Supply voltage	24 V DC
Supply voltage range	22 V DC ... 26 V DC
Current consumption	typ. 0.58 A (at 24 V DC)
Power consumption	approx. 14 W (at 24 V DC)
Type of protection	Surge protection
	Reverse polarity protection

Light properties

Source of light type	LED
Number of LEDs	24
Service life, lighting appliance	50,000 h (L70)
Light color	daylight white
Color temperature / wavelength	6200 K $\pm$ 10 %
Color rendering index	75
Luminous flux	approx. 600 lm (Net luminous flux)
Illumination	max. 691 lx (50 cm distance)
Average illumination	336 lx (Distance of 50 cm over 1 m ² area)

LED machine light - PLD M 160 W-95/105 616 - 2702477

Technical data

Light properties

Emission angle	95 ° (C0-C180)
----------------	----------------

Standards and Regulations

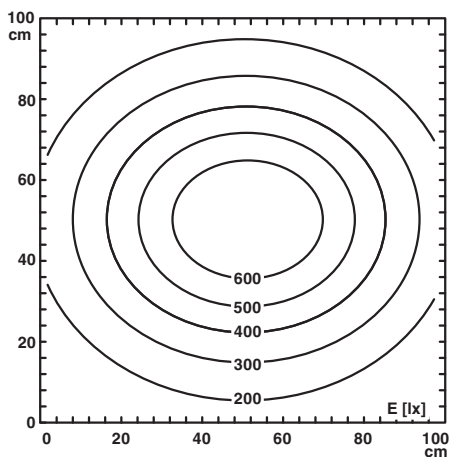
Immunity to ESD	Noise immunity test in accordance with EN 61547 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 4 kV contact discharge, 8 kV air discharge
Immunity to EF	Noise immunity test in accordance with EN 61547 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, field strength: 3 V/m
Immunity to burst	Noise immunity test in accordance with EN 61547 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, ± 0.5 kV
Immunity to conducted interference	Noise immunity test in accordance with EN 61547 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, test voltage 3 V
Interference emission	Noise emission test according to EN 61000-6-3 Radio interference properties EN 55015 Class B
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

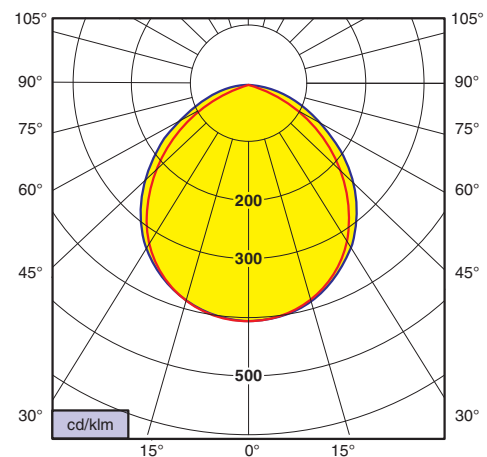
Drawings

Diagram



Illuminance distribution
(distance d = 0.5 m)

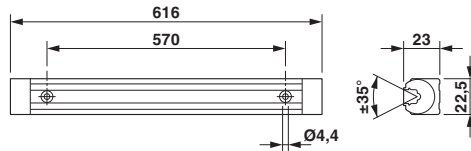
Diagram



Luminous intensity distribution (LID)
(red line: C0 - C180, blue line: C90 - C270)

LED machine light - PLD M 160 W-95/105 616 - 2702477

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27110345
eCl@ss 11.0	27110345
eCl@ss 4.0	27110800
eCl@ss 4.1	27110800
eCl@ss 5.0	27119100
eCl@ss 5.1	27119100
eCl@ss 7.0	27119010
eCl@ss 9.0	27110345

ETIM

ETIM 3.0	EC000348
ETIM 4.0	EC000348
ETIM 6.0	EC000302
ETIM 7.0	EC000302

UNSPSC

UNSPSC 6.01	39111510
UNSPSC 7.0901	39111510
UNSPSC 11	39111510
UNSPSC 12.01	39111510
UNSPSC 13.2	39101601
UNSPSC 18.0	39101601
UNSPSC 19.0	39101601
UNSPSC 20.0	39101601
UNSPSC 21.0	39101601

Approvals

Approvals

LED machine light - PLD M 160 W-95/105 616 - 2702477

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approval details

ETLus		http://www.intertek.com	LV-Lighting-Systems
cETL		http://www.intertek.com	Luminaires
cETLus			