PLD M 160 W-95/105 196 - LED machine light

2702475

https://www.phoenixcontact.com/us/products/2702475

LED machine light, 24 V DC, emission angle (vertical/Horizontal): 95 °/105 °, length: 196 mm, degree of protection: IP67, can be swiveled, 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 50000 h

Commercial data

Item number	2702475
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR08
Product key	DRL221
Catalog page	Page 502 (C-6-2019)
GTIN	4055626213682
Weight per piece (including packing)	330 g
Weight per piece (excluding packing)	3,278 g
Customs tariff number	94054239
Country of origin	DE

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Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Machine light
Application	Machine
Mounting position	any
Special properties	can be swiveled Swiveling range ±35°
	including mounting accessories

Data management status

Article revision	01

Electrical properties

Supply: 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. 0.15 A (at 24 V DC)
Power consumption	approx. 3.5 W (at 24 V DC)
Protective circuit	Surge protection; Suppressor diode, 28 V DC
	Reverse polarity protection; Polarity protection diode

Signaling

Light properties

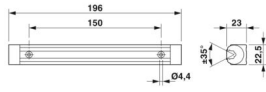|	
Source of light type	LED
Number of LEDs	6
Color temperature	6600 K ±10 %
Color rendering index	75
Luminous flux	approx. 150 lm (Net luminous flux)
Luminous efficacy	approx. 43 lm/W
Illumination	max. 206 lx (50 cm distance)
	min. 24 lx (Distance of 50 cm over 1 m^2 area)
Average illumination	89 lx (Distance of 50 cm over 1 m^2 area)
Emission angle	95 ° (C0-C180)
	105 ° (C90-C270)
Ordinance	Delegated Regulation (EU) 2019/2015
Energy efficiency class	G (1 light source)

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Note	This product contains an energy efficiency class G light source.

Dimensions

Dimensional drawing	
Width	22.5 mm
Height	23 mm
Length	196 mm

Material specifications

Color	aluminum color
Material ()	Anodized aluminum (Light housing)
	Satined acrylic (Light cover)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	0 °C ... 40 °C
Degree of protection	IP67
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)

Mounting

Mounting type	Screw mounting
Mounting position	any

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Drawings

Dimensional drawing

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https://www.phoenixcontact.com/us/products/2702475
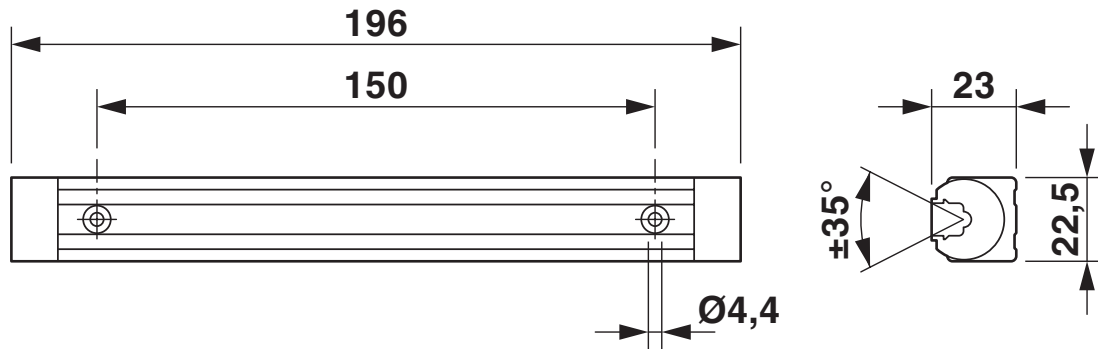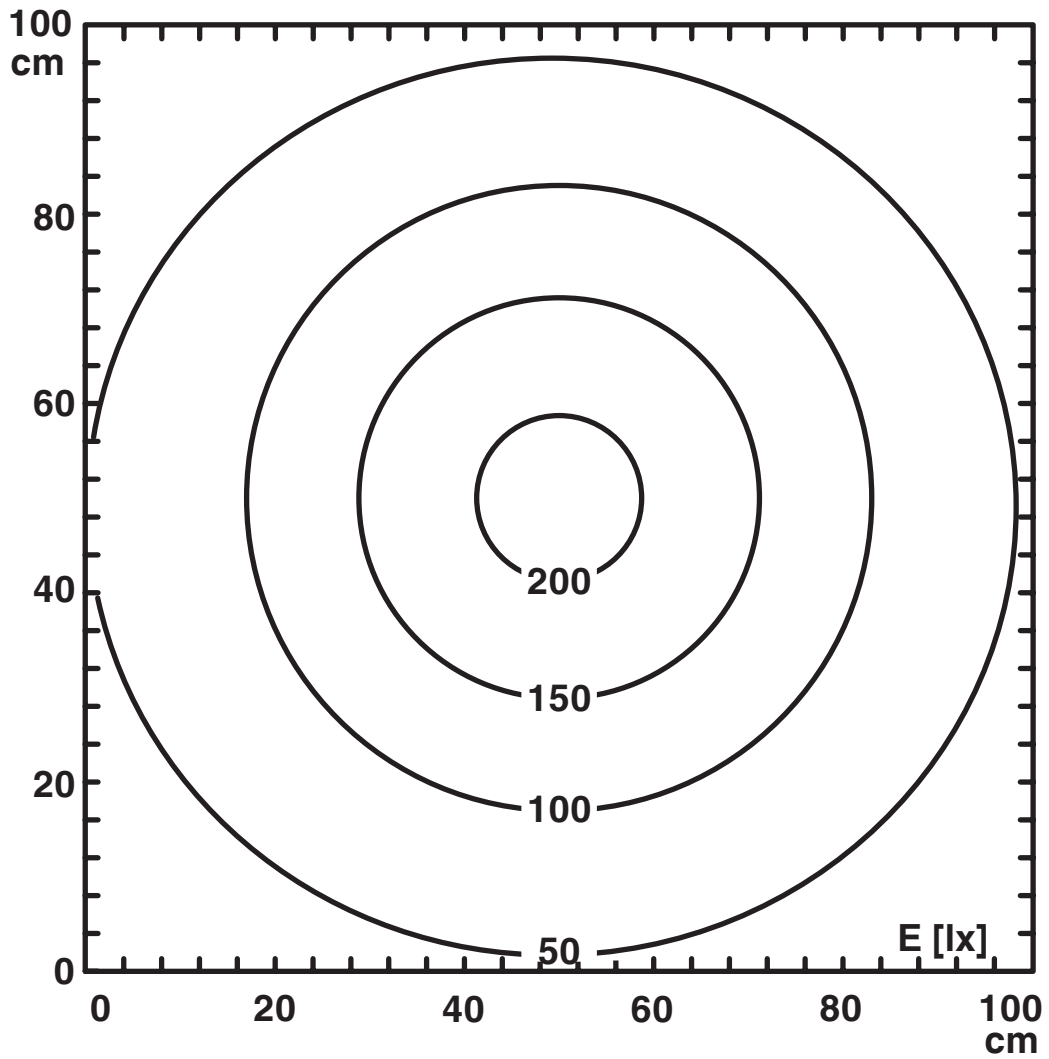
Diagram

Illuminance distribution
(distance d = 0.5 m)

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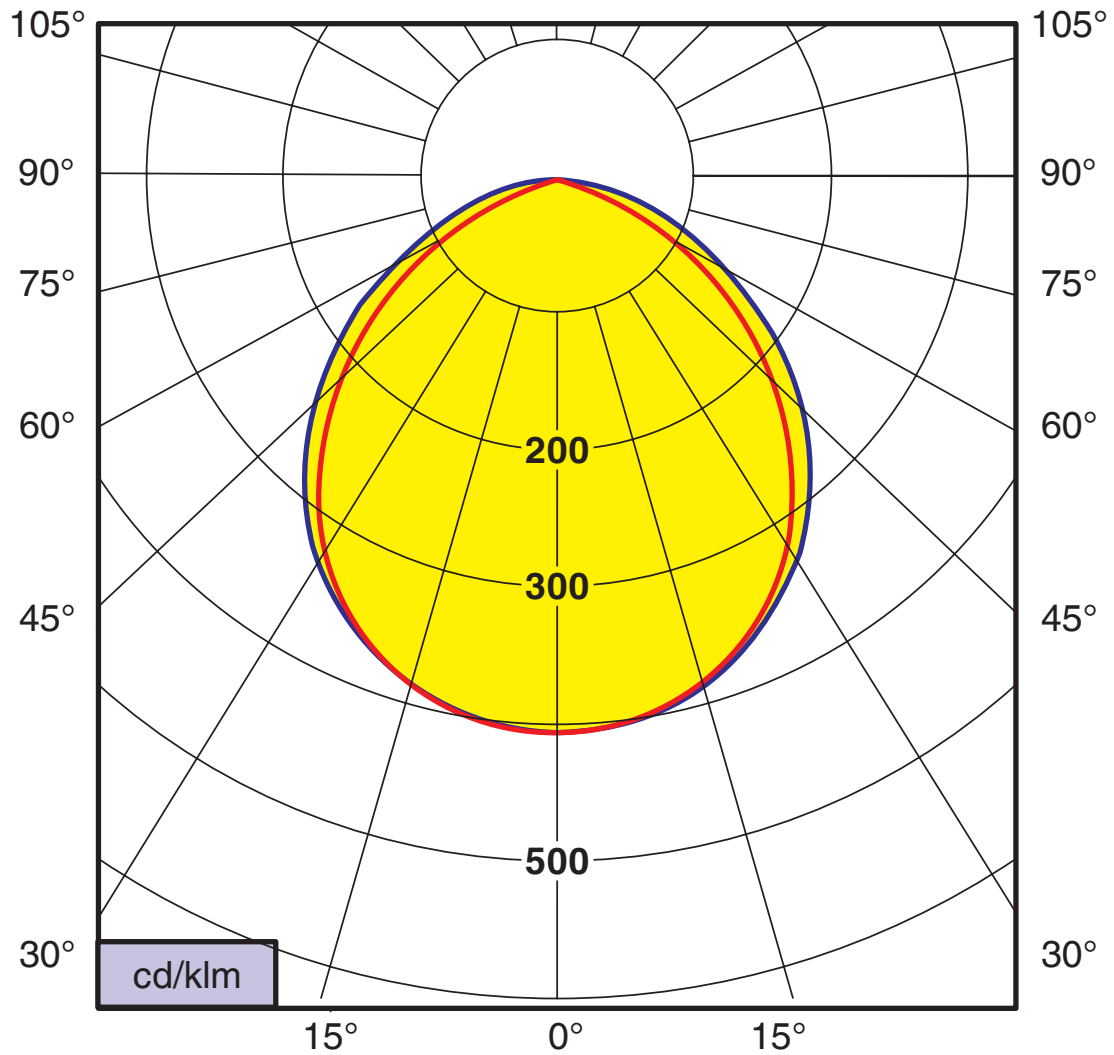
Luminous intensity distribution (LID)
(red line: C0 - C180, blue line: C90 - C270)

Dimensional drawing
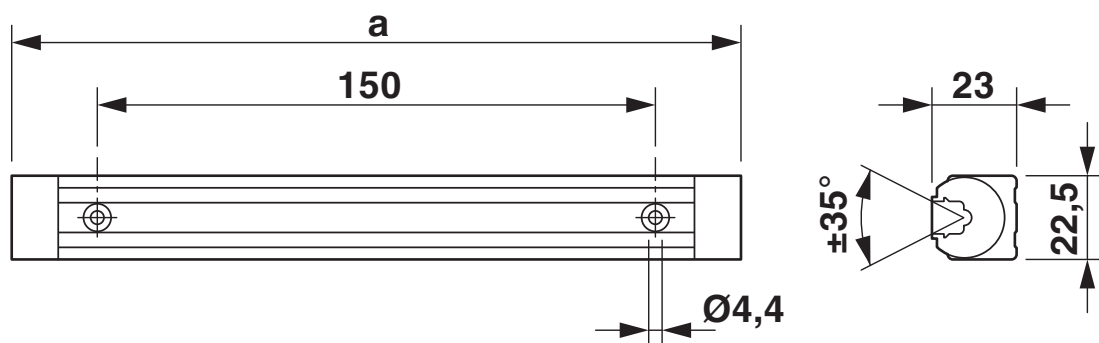
Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2702475

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

ETLus
Approval ID: LV-Lighting-Systems

cETL
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Classifications

ECLASS

ECLASS-11.0	27110345
ECLASS-12.0	27110345
ECLASS-13.0	27110345

ETIM

ETIM 9.0	EC000348

UNSPSC

UNSPSC 21.0	32151500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%