



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## LED machine light - PLD M 160 W-95/105 896 - 2702478

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 896 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.

### Why buy this product

- ✓ 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

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 213842
GTIN	4055626213842

### Technical data

#### Dimensions

Width	22.5 mm
Height	23 mm
Length	896 mm

#### Ambient conditions

Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-10 °C ... 50 °C

# LED machine light - PLD M 160 W-95/105 896 - 2702478

## Technical data

### Ambient conditions

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

Net weight	800 g
Mounting type	Screw mounting

### 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. 0.875 A (at 24 V DC)
Power consumption	approx. 21 W (at 24 V DC)
Type of protection	Surge protection
	Reverse polarity protection

### Light properties

Source of light type	LED
Number of LEDs	36
Service life, lighting appliance	50,000 h (L70)
Light color	daylight white
Color temperature	6200 K ±10 %
Color rendering index	75
Luminous flux	approx. 900 lm (Net luminous flux)
Illumination	max. 833 lx (50 cm distance)
Average illumination	449 lx (Distance of 50 cm over 1 m <sup>2</sup> area)
Emission angle	95 ° (C0-C180)

### Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1
------------------	--------------------------------------

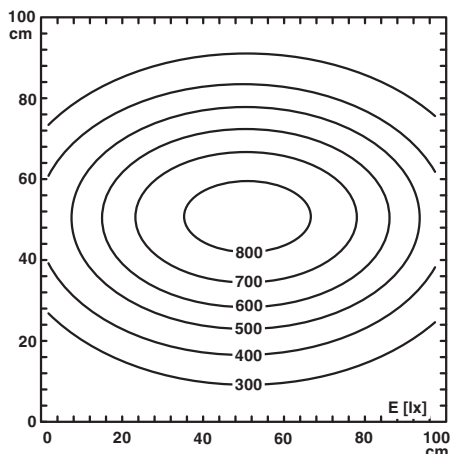
### Environmental Product Compliance

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

## Drawings

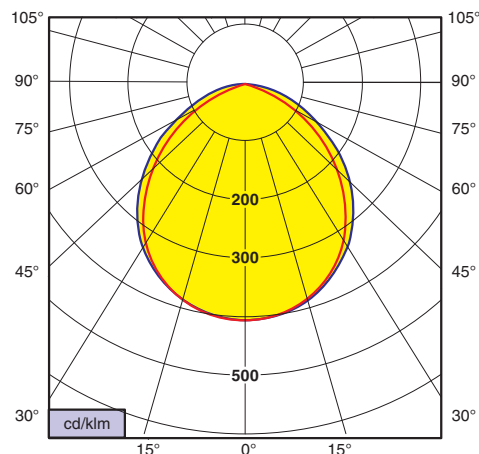
# LED machine light - PLD M 160 W-95/105 896 - 2702478

Diagram



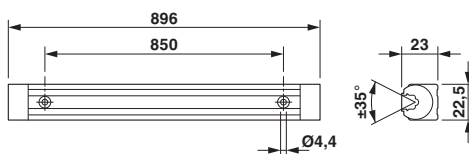
Illuminance distribution  
(distance d = 0.5 m)

Diagram



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

Dimensional drawing



## Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

## Approval details

ETLus		<a href="http://www.intertek.com">http://www.intertek.com</a>	LV-Lighting-Systems
-------	--	---	---------------------

cETL		<a href="http://www.intertek.com">http://www.intertek.com</a>	Luminaires
------	--	---	------------



## LED machine light - PLD M 160 W-95/105 896 - 2702478

### Approvals

cETLus



<http://www.intertek.com>

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>