

PSD-S OE LED MC - Optical element



2702090
<https://www.phoenixcontact.com/us/products/2702090>

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LED permanent light element, 24 V DC, 7 colors



Product description

The multi-colored LED permanent light element is designed for signaling machine states, for example. The optical element can light up red, green, yellow, blue, white, violet, and turquoise. The color is selected via different combinations of the control signals present at the signal tower connection element.

Your advantages

- 7 colors in one element
- Can be freely combined
- High light and color intensity
- Minimum LED service life of 50,000 h
- Low power consumption
- Degree of protection IP65

Commercial data

Item number	2702090
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR07
Product key	DRL112
Catalog page	Page 515 (C-6-2019)
GTIN	4046356943185
Weight per piece (including packing)	82.2 g
Weight per piece (excluding packing)	77 g
Customs tariff number	85318070
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	Optical element
Area of application	Signal tower

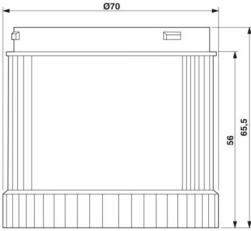
Data management status	
Article revision	00

Electrical properties

Maximum power dissipation for nominal condition	12 W
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General	
Input voltage	24 V DC
Maximum inrush current	max. 500 mA
Current consumption	120 mA
Source of light type	LED
Operating time	100 %
Service life electrical	max. 50,000 h
Optical signal type	Permanent light

Dimensions

Dimensional drawing	
	
Height	65.5 mm
Diameter	70 mm

Material specifications

Calotte color	clear
Color	red
	green
	yellow
	blue
	white

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	violet
	turquoise
Note color	In an unconnected state the calotte is clear, once connected it is illuminated according to the colors specified in the control.
Material	Polycarbonate PC

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (when installed or with end cover)
Ambient temperature (operation)	-20 °C ... 50 °C

EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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Mounting

Mounting type	Plug-in mounting
Assembly note	Rubber seal pre-installed for each element
Mounting position	any

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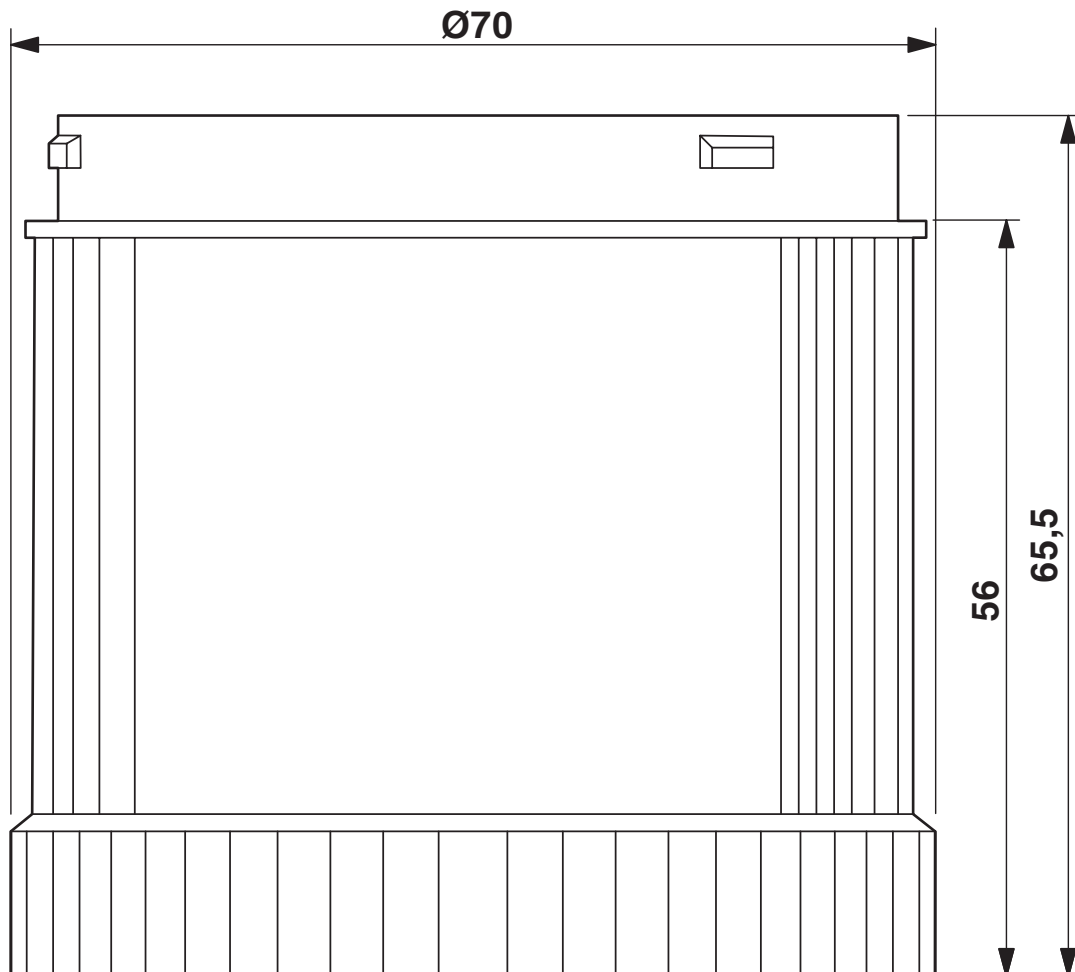
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Drawings

Dimensional drawing




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Approvals

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cULus Listed

Approval ID: E123528

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Classifications

ECLASS

ECLASS-11.0	27371220
ECLASS-12.0	27371220
ECLASS-13.0	27371220

ETIM

ETIM 9.0	EC000232
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UNSPSC

UNSPSC 21.0	46171600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)-I, 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	43222d34-813e-42a5-a90d-60d2fe06722e

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