

# 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
- High light and color intensity
- Can be freely combined
- 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        |
| 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        | Signal element |
| Product family      | PSD-S          |
| Area of application | Signal tower   |

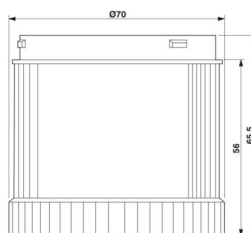
### Electrical properties

#### General

|                         |                 |
|-------------------------|-----------------|
| Input voltage           | 24 V DC         |
| Maximum inrush current  | max. 500 mA     |
| Current consumption     | typ. 25 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     |
|               | violet    |
|               | turquoise |

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|            |                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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                        |

## Mounting

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Mounting type     | Plug-in mounting (Seal pre-installed for each element) |
| Mounting position | any                                                    |

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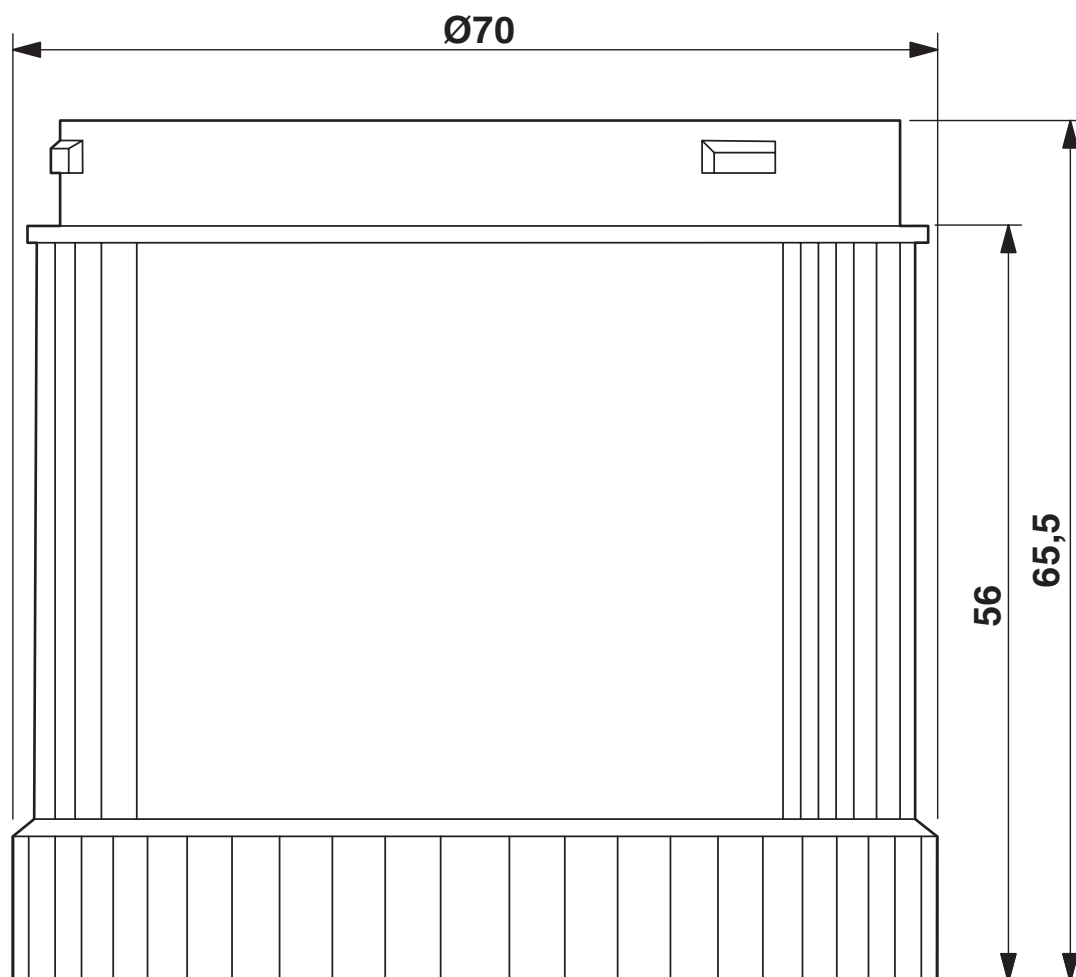
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## Drawings

Dimensional drawing



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## Approvals

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**cULus Listed**

Approval ID: E123528

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27371220 |
| ECLASS-15.0 | 27371220 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000232 |
|----------|----------|

### 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: n/a)                       |
| SCIP                                | 43222d34-813e-42a5-a90d-60d2fe06722e |

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