

## Optical element - PSD-S OE LED MC - 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
- IP65 degree of protection

### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 943185 |
| GTIN                                 | 4046356943185   |
| Weight per Piece (excluding packing) | 77.000 g  |
| Custom tariff number                 | 85318070  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|          |         |
|----------|---------|
| Diameter | 70 mm   |
| Height   | 65.5 mm |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
|---------------------------------|------------------|

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## Technical data

### Ambient conditions

|                      |                                    |
|----------------------|------------------------------------|
| Degree of protection | IP65, when installed or with cover |
|----------------------|------------------------------------|

### General

|                       |  |
|-----------------------|--|
| Material              | Polycarbonate PC   |
| Calotte color         | clear  |
| Color                 | red  |
|                       | green  |
|                       | yellow   |
|                       | blue   |
|                       | white  |
|                       | 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. |
| Weight                | 63 g   |
| Mounting position     | any  |
| Assembly instructions | Rubber seal pre-installed for each element   |

### Electrical data

|                          |                 |
|--------------------------|-----------------|
| Input voltage            | 24 V DC         |
| Maximum inrush current   | max. 500 mA     |
| Current consumption      | 120 mA          |
| Service life, electrical | max. 50,000 h   |
| Operating time           | 100 %           |
| Optical signal type      | Permanent light |

### Approvals / conformities

|                               |   |
|-------------------------------|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
|-------------------------------|---|

### Standards and Regulations

|                               |   |
|-------------------------------|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
|-------------------------------|---|

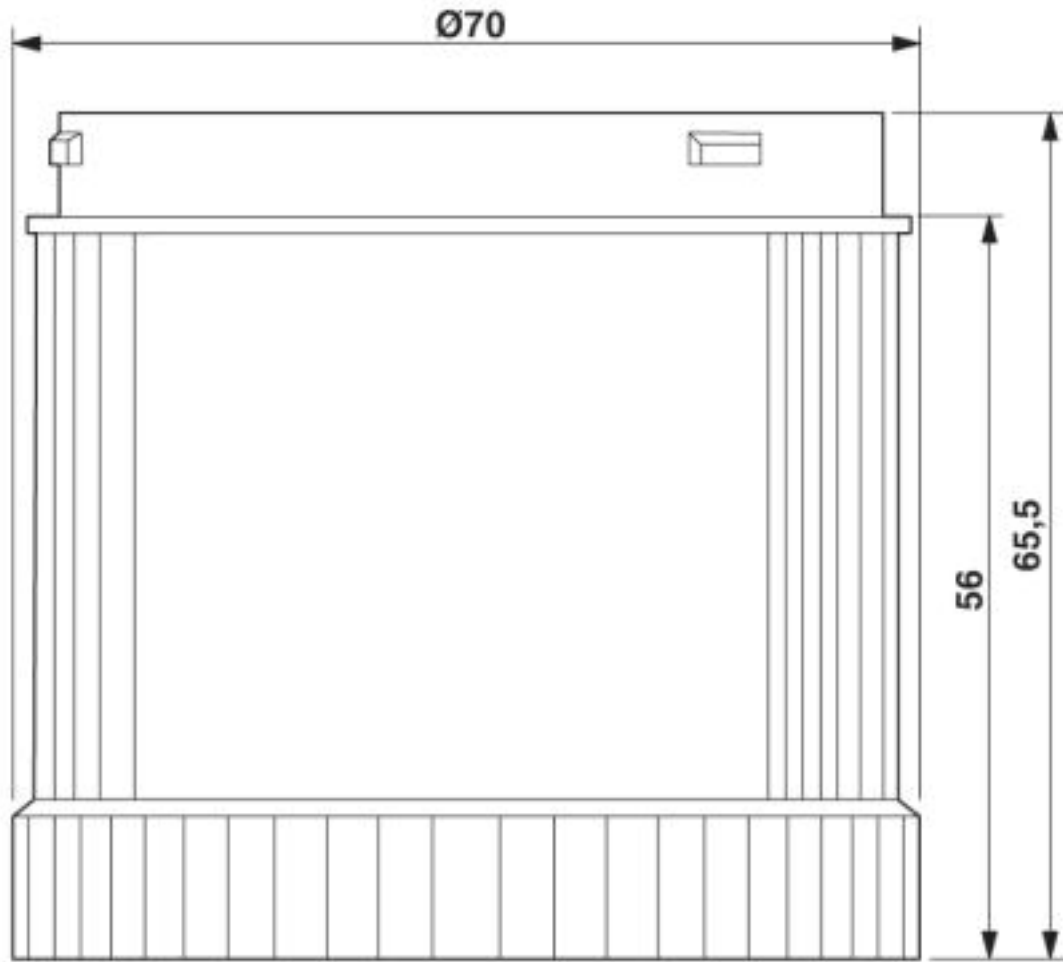
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

# Optical element - PSD-S OE LED MC - 2702090

Dimensional drawing



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27371200 |
| eCl@ss 5.1 | 27371200 |
| eCl@ss 6.0 | 27371200 |
| eCl@ss 7.0 | 27371220 |
| eCl@ss 8.0 | 27371220 |
| eCl@ss 9.0 | 27371220 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC000232 |
| ETIM 6.0 | EC000232 |
| ETIM 7.0 | EC000232 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 46171604 |
| UNSPSC 18.0 | 46171604 |
| UNSPSC 19.0 | 46171604 |
| UNSPSC 20.0 | 46171604 |
| UNSPSC 21.0 | 46171604 |

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

### Approval details

|           |  |   |               |
|-----------|--|---|---------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 123528 |
|-----------|--|---|---------------|

|            |  |   |               |
|------------|--|---|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 123528 |
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| cULus Listed |  |  |  |
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