

# PSD-S OE LED RD - Optical element



2700107

<https://www.phoenixcontact.com/us/products/2700107>

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LED permanent light element, 24 V AC/DC, red

## Product description

This optical signal element is designed to be part of a modular signal tower. According to your requirements, a signal tower can be combined as desired, from a maximum of five signal elements. Set up to a maximum of five optical signal elements or up to four optical and one audible signal element. Only use an audible signal element as the top element. A bayonet locking system establishes the mechanical and electrical connection between the elements. Connection elements with spring-cage or screw connection can be used for electrical connection of the signal tower. Various accessories are available to assemble the signal tower. Please note that PSD-S signal towers (70 mm diameter) are not mechanically compatible with PSD-S 50 signal towers (50 mm diameter).

## Your advantages

- Tool-free element changeover
- 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                          | 2700107       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DR07          |
| Product key                          | DRL112        |
| GTIN                                 | 4046356491082 |
| Weight per piece (including packing) | 72.9 g        |
| Weight per piece (excluding packing) | 72.9 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

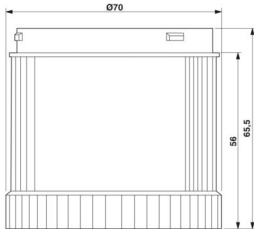
|                     |                |
|---------------------|----------------|
| Product type        | Signal element |
| Product family      | PSD-S          |
| Area of application | Signal tower   |

### Electrical properties

#### General

|                         |                 |
|-------------------------|-----------------|
| Input voltage           | 24 V AC/DC      |
| Maximum inrush current  | max. 500 mA     |
| Current consumption     | typ. 30 mA      |
| Source of light type    | LED             |
| Operating time          | 100 %           |
| Service life electrical | max. 100,000 h  |
| Optical signal type     | Permanent light |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Height              | 65.5 mm  |
| Diameter            | 70 mm  |

### Material specifications

|               |                  |
|---------------|------------------|
| Calotte color | red              |
| Material      | Polycarbonate PC |

### Environmental and real-life conditions

#### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Degree of protection            | IP65 (when installed or with end cover) |
| Ambient temperature (operation) | -30 °C ... 50 °C                        |

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## Mounting

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

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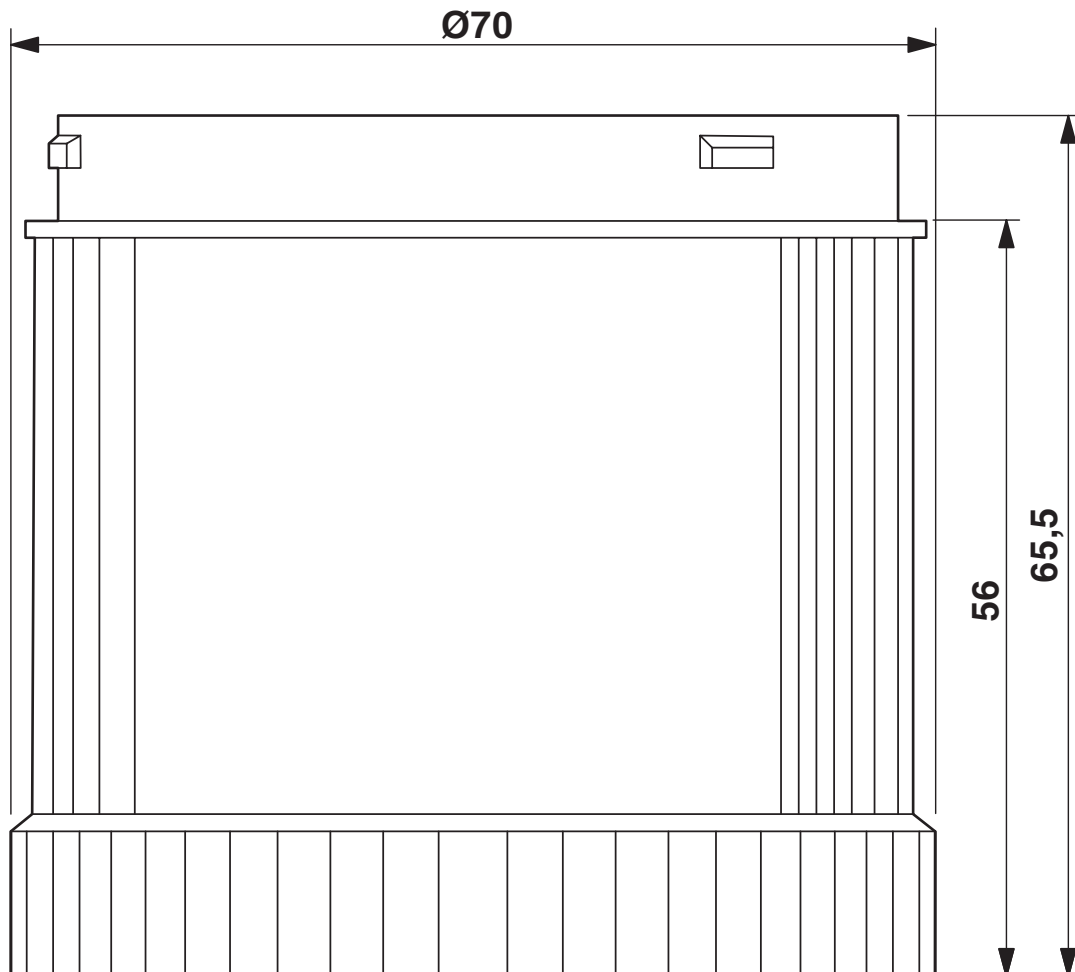
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## Drawings

Dimensional drawing



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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2700107>



**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 |
|-------------|----------|

Environmental product compliance

|   |   |
|---|---|
| EU RoHS                                 |   |
| Fulfills EU RoHS substance requirements | Yes   |
| Exemption                               | 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)  |