

## ELSA-2 DL 165 OP 110° 900 830 DALI WH

**Item number** E010298929  
**GTIN** 4015120298929

|             |                 |            |        |            |         |          |
|-------------|-----------------|------------|--------|------------|---------|----------|
| DALI        | 220 - 240 V ~/- | LED 3000 K | CRI 80 | Phi 900 lm | 94 lm/W | UGR ≤ 25 |
| IP20 / IP44 |                 |            |        |            |         |          |



### Technical data

| GENERAL  |   |
|--|---|
| Device category                                  | Downlight   |
| Product information                              | Do not cover the downlight directly with insulating material. |
| User interface                                   | DALI-Bus  |
| Remote controllable                              | -   |
| Conformity                                       | CE, EAC, RoHS, WEEE   |
| Product-specific information                     | Meets DALI-2 standard   |
| Warranty   | 5 years   |
| ATTACHMENT                                       |   |
| Installation type                                | Recessed mounting   |
| Installation position                            | Ceiling   |
| Installation dimension                           | Installation depth: 50 mm, Ø 165 mm                           |
| Type of connection                               | Push terminal   |
| Connectable wire cross section                   | 0.75 mm <sup>2</sup>  |
| Number of contacts                               | 5   |
| HOUSING  |   |
| Dimensions                                       | Height 25 mm, Ø 180 mm  |
| Weight   | 643 g   |
| Material   | powder-coated aluminium                                       |
| Protection type                                  | IP20 / IP44 below the ceiling (built-in)                      |
| Permissible ambient temperature                  | -20 °C...+40 °C   |
| Relative humidity                                | 5 - 93 %, non-condensing                                      |
| Colour   | white, similar to RAL 9003                                    |
| Glow wire test in accordance with IEC 60695-2-10 | 650 °C  |

### Product description

- LED downlight, 3000K with opal cover (diffuser), 9W, for ceiling mounting without additional accessories
- High light quality and system performance
- Operating device DALI with SwitchDIM, included

### Offers special product features like:

- SwitchDIM function

| ELECTRICAL VERSION |                                |
|--------------------|--------------------------------|
| Control system     | DALI                           |
| Protection class   | II                             |
| Nominal voltage    | 220 - 240 V AC/DC / 50 - 60 Hz |
| In-rush current    | 5.5 A / 95 µs                  |
| Leakage current    | 0.01 mA                        |

| LIGHT                       |         |
|-----------------------------|---------|
| Diffuser                    | opal    |
| Light emission              | direct  |
| Beam angle                  | 110 °   |
| Unified Glare Rating        | ≤ 25    |
| Flicker factor              | 0 %     |
| Rated output P              | 9.5 W   |
| Luminous flux - min         | 900 lm  |
| Luminous flux - max         | 900 lm  |
| Luminous efficacy - min     | 94 lm/w |
| Luminous efficacy - max     | 94 lm/w |
| Colour temperature          | 3000 K  |
| Colour rendering index Ra   | > 80    |
| Colour tolerance            | 3 SDCM  |
| Color Quality Scale         | > 80    |
| L70B10 lifetime at 25 °C    | 60000 h |
| Life time L70B50 at 25 °C   | 60000 h |
| Life time L80B10 at 25 °C   | 40000 h |
| Life time L80B50 at 25 °C * | 40000 h |
| Life time L90B10 at 25 °C   | 20000 h |
| Life time L90B50 at 25 °C   | 20000 h |
| Photobiological safety      | RG0     |

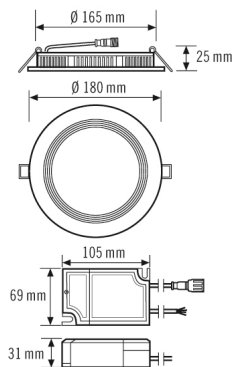
## ELSA-2 DL 165 OP 110° 900 830 DALI WH

| Item number | GTIN          |
|-------------|---------------|
| EO10298929  | 4015120298929 |

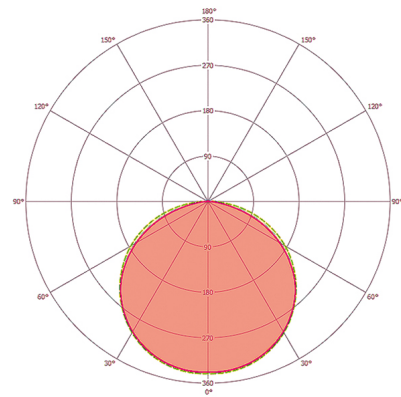
### Accessories

| Product designation             | Item number | Product description                                       | GTIN          |
|---------------------------------|-------------|---|---------------|
| <b>Adapter</b>                  |             |   |               |
| ELSA-2 RING 165                 | EO10300271  | Adapter ring 165-200 mm for ELSA-2 series                 | 4015120300271 |
| <b>Electrical accessories</b>   |             |   |               |
| JUNCTION BOX 5-POLE BK          | EO10430992  | Universal junction box, black, 5-pin, 2.5 mm <sup>2</sup> | 4015120430992 |
| <b>Mounting</b>                 |             |   |               |
| ELSA-2 MOUNTING FRAME 165 SM WH | EO10300882  | Ceiling installation frame for ELSA-2 165 series          | 4015120300882 |

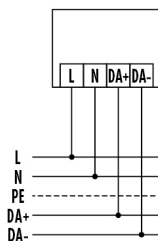
### Dimension drawing



### Lichtverteilung



### Circuit diagram



Standard operation.

### Detailed product description

- LED downlight, 9 W for ceiling mounting
- Recessed luminaire with opal cover (diffuser)
- High-quality housing, aluminium lamp body, white powder-coated (RAL 9003)
- Can be used for ceiling mounting without additional accessories
- Colour temperature: 3000 K with the lowest colour tolerances
- Luminous flux: 850 lm

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- High light quality
- Excellent system efficiency
- Life time L80B50 at 25 °C \*: 40000 h
- Operating device: DALI SwitchDIM (already included in scope of delivery)