

## ELSA-2 DL 165 OP 110° 900 840 DALI WH

**Item number** E010298936  
**GTIN** 4015120298936

230 V ~	DALI	IP40	CQS 80 - 85	CRI 80	LED 4000 K
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### Product description

- LED downlight, 4000K 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



### Technical data

GENERAL	
Device category	Downlight
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
Connectable wire cross section	0.75 – 2.5 mm <sup>2</sup>
HOUSING	
Dimensions	Height/Depth 25 mm, Ø 180 mm
Weight	641 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
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	900 lm
Luminous efficacy	94 lm/W
Colour temperature	4000 K
Colour rendering index Ra	> 80
Colour tolerance	1 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

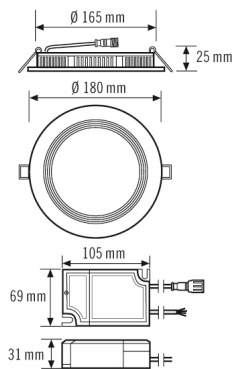
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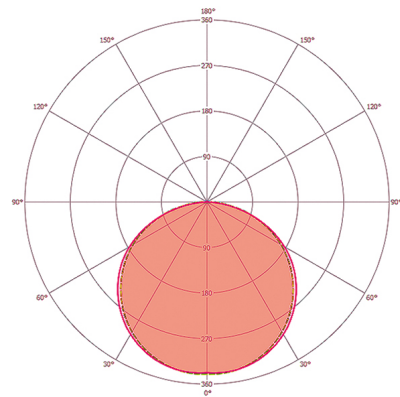
### Accessories

Product designation	Item number	Product description	GTIN
<b>Adapter</b>			
ELSA-2 RING 165	E010300271	Adapter ring 165–200 mm for ELSA-2 series	4015120300271
<b>Electrical accessories</b>			
JUNCTION BOX 5-POLE BK	E010430992	Universal junction box, black, 5-pin, 2.5 mm <sup>2</sup>	4015120430992
<b>Mounting</b>			
ELSA-2 MOUNTING FRAME 165 SM WH	E010300882	Ceiling installation frame for ELSA-2 165 series	4015120300882

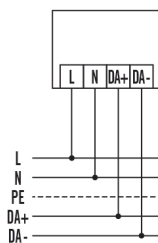
### Dimension drawing



### Light distribution



### 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: 4000 K with the lowest colour tolerances
- Luminous flux: 850 lm

# DATA SHEET



## ELSA-2 DL 165 OP 110° 900 840 DALI WH

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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)