

## ELSA-2 DL 165 OP 110° 900 830 WH

**Item number** E010298981  
**GTIN** 4015120298981

110 V - 230 V ~	IP40	CQS 80-85	CRI 80	LED 3000 K
--------------------	------	--------------	-----------	---------------

### Product description

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



### Technical data

GENERAL	
Device category	Downlight
Remote controllable	–
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Installation dimension	Installation depth: 40 mm, Ø 165 mm
Connectable wire cross section	0.75 mm <sup>2</sup>
HOUSING	
Dimensions	Height/Depth 25 mm, Ø 180 mm
Weight	545 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	ON/OFF
Protection class	II
Nominal voltage	220 - 240 V ~ / 50 - 60 Hz

In-rush current	2.8 A / 98 µs
Leakage current	0.009 mA

LIGHT	
Diffuser	opal
Light emission	direct
Beam angle	110 °
Unified Glare Rating	≤ 25
Flicker factor	0 %
Rated output P	9 W
Luminous flux	900 lm
Luminous efficacy	100 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
Lebensdauer L70B50 bei 25 °C	60000 h
Lebensdauer L80B10 bei 25 °C	40000 h
Life time L80B50 at 25 °C	40000 h
Lebensdauer L90B10 bei 25 °C	20000 h
Life time L90B50 at 25 °C	20000 h
Photobiological safety	RG0

SENSORS	
<b>CHANNELS (LIGHTING / HVAC)</b>	

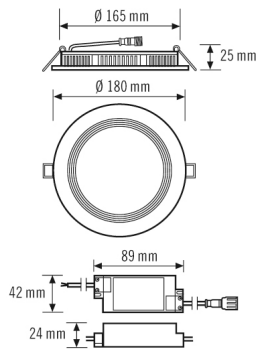
## ELSA-2 DL 165 OP 110° 900 830 WH

Item number	GTIN
E010298981	4015120298981

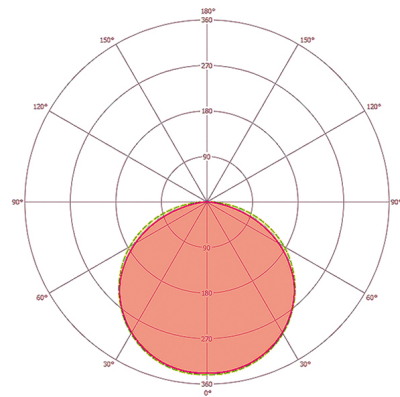
### Accessories

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	E010430947	Universal junction box, black, 5-pin, 2.5 mm <sup>2</sup>	4015120430947
<b>Mounting</b>			
ELSA-2 MOUNTING FRAME 165 SM WH	E010300882	Ceiling installation frame for ELSA-2 165 series	4015120300882

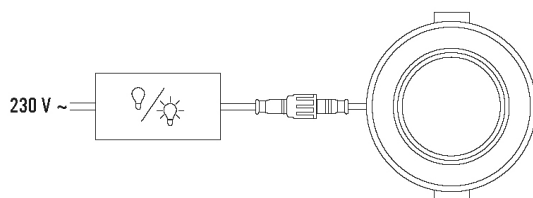
### Dimension drawing



### Light distribution

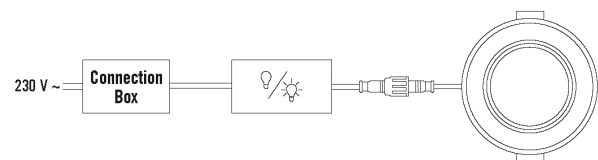


### Circuit diagram



Standard operation

### Circuit diagram



Standard operation CB