

ELSA-2 DL 225 OP 110° 1800 840 PD IR PS DALI WH

Item number E010299667
GTIN 4015120299667

110 V - 230 V ~	IP20 IP44	CQS 80-85	CRI 80	LED 4000 K
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Product description

- LED downlight, 4000K with opal cover (diffuser), 18W, for ceiling mounting without additional accessories
- High light quality and system performance
- Operating device DALI, included
- Integrated FLAT MINI DALI presence detector with 360° field of detection
- Range of up to 6 m in diameter at a recommended installation height of 2.5 m (maximum installation height 3 m) for use in small rooms and passageways with no or little natural lighting
- Integrated DALI power supply for fitting a DALI bus (broadcast) with additional lights
- Control HVAC or ON/OFF lights as a potential-free contact in conjunction with the DALI switch from ESYLUX

Technical data

GENERAL	
Device category	Downlight
User interface	IR remote control, DALI-Bus
Remote controllable	✓
Conformity	CE, RoHS
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Installation dimension	Installation depth: 70 mm, Ø 225 mm
Type of connection	Push terminal
Connectable wire cross section	0,50 - 2,50 mm ²
Number of contacts	5
HOUSING	
Dimensions	Height/Depth 60 mm, Ø 240 mm
Weight	1300 g
Material	powder-coated aluminium
Protection type	IP20
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	
Protection class	I
Nominal voltage	220 - 240 V / 50 - 60 Hz

Stand-by consumption < 0.5 W

LIGHT	
Diffusor	opal
Light emission	direct
Beam angle	110 °
Unified Glare Rating	≤ 25
Flicker factor	0 %
Rated output	17,5 W
Luminous Flux (light)	1750 lm
Luminous efficacy	100 lm/W
Colour temperature	4000 K
Colour rendering index Ra	> 80
Colour tolerance	SDCM < 3
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
Energy efficiency class	A++ to A

SENSORS	
Detection angle	360°
Detection range diagonally	Ø 6 m
Detection range head-on	Ø 3 m
Detection range presence	Ø 2,5 m

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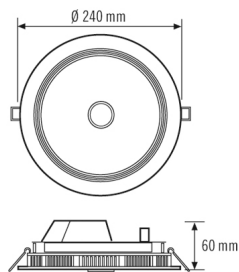
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Field of detection	28 m ²	Recommended installation height	2,5 m
Range adjustment	mechanically with included cut to size lens mask	Max. mounting height	3 m
		Light measurement	mixed light

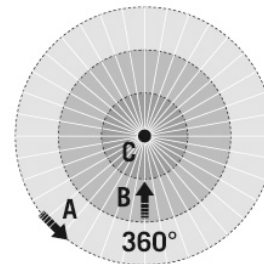
Accessories

Product designation	Item number	GTIN
ESY-Pen	EP10425356	4015120425356
REMOTE CONTROL PDi DALI	EP10425899	4015120425899
CABLE EXTENSION 1m	E010300295	4015120300295
ELSA-2 MOUNTING FRAME 225 SM WH	E010300899	4015120300899
ELSA-2 RING 225	E010300264	4015120300264
JUNCTION BOX 5-POLE BK	E010430947	4015120430947
ACTUATOR FULL AUTO C3 DALI	EP10427473	4015120427473
ACTUATOR SEMI AUTO C4 DALI	EP10427480	4015120427480

Scale drawing



Field of detections



Detection range

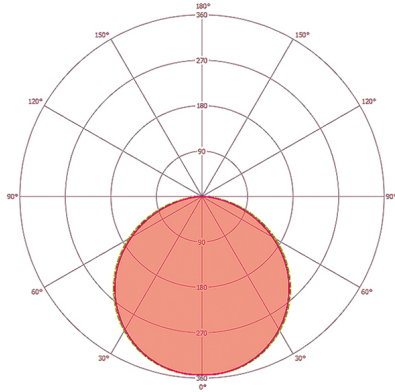
Diagonally (A)	Ø 6 m
Frontal (B)	Ø 3 m
Presence area (C)	Ø 2,5 m

DATA SHEET

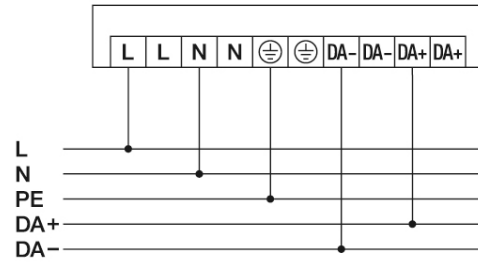
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Light distribution



Circuit diagram



Standard operation