

## ALVA BL 940/170 OP 360° 800 830 MD IR DALI AN

**Item number** EL10820441  
**GTIN** 4015120820441



230 V ~	16 W	IP65		IK09	360°	r 6 m
LED 3000 K	CRI >80	140°		IR	DALI	DALI BUS

### Product description

- LED DALI bollard light made from high-grade aluminium
- Dirt-repellent thanks to powder coating with lotus effect
- Integrated ballast (DALI), installation without further accessories
- High-quality housing, die-cast aluminium, charcoal grey powder-coated, similar to RAL 7024
- Colour temperature 3000 K

### Offers special product features like:

- Integrated motion detector with DALI bus voltage supply
- Integrated sensor technology enables energy-efficient control and networking of additional luminaires and switch actuators
- Protected against sea air

### Technical data

GENERAL	
Device category	Bollard light
Included in delivery	3x screw, 3x wall plugs
User interface	IR remote control, DALI-Bus
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Free standing
Installation position	Floor
Type of connection	Push terminal
Connectable wire cross section	1.5 – 2.5 mm <sup>2</sup>
Number of contacts	5
HOUSING	
Dimensions	Height/Depth 940 mm, Ø 170 mm
Weight	115.9 g
Material	powder-coated aluminium
Protection type	IP65
Permissible ambient temperature	-25 °C...+40 °C
Relative humidity	5 – 95 %, non-condensing
Impact resistance	IK09
Colour	graphite grey, similar to RAL 7024
ELECTRICAL VERSION	
Control system	DALI
Protection class	I
Nominal voltage	200 – 240 V ~ / 60 Hz

In-rush current	12 A / 57 µs
Leakage current	0.31 mA
Power consumption	70 mA

LIGHT	
Diffuser	opal
Light emission	direct
Beam angle	283 °
Flicker factor	<3 %
Rated output P	17 W
Luminous flux	1030 lm
Luminous efficacy	60 lm/W
Colour temperature	3100 K
Colour rendering index Ra	> 80
Colour tolerance	2 SDCM
Color Quality Scale	80
L70B10 lifetime at 25 °C	105000 h
Life time L70B50 at 25 °C	110000 h
Life time L80B10 at 25 °C	65000 h
Life time L80B50 at 25 °C	70000 h
Life time L90B10 at 25 °C	35000 h
Life time L90B50 at 25 °C	35000 h
Photobiological safety	RG0

SENSORS	
Detection angle	140°
Detection range diagonally	6 m
Detection range head-on	2 m

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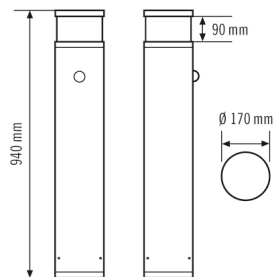
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Range adjustment	mechanically with included cut to size lens mask	Field of detection	44 m <sup>2</sup>
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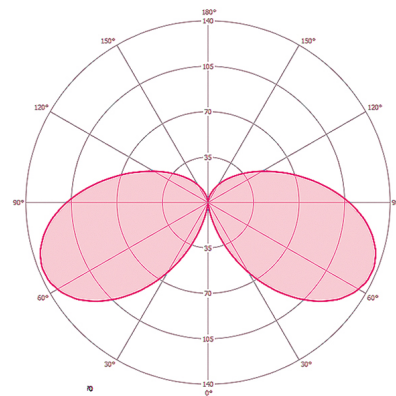
### Accessories

Product designation	Item number	Product description	GTIN
<b>Electrical accessories</b>			
ACTUATOR FULL AUTO C3 DALI	EP10427473	Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic)	4015120427473
ACTUATOR SEMI AUTO C4 DALI	EP10427480	Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic)	4015120427480
<b>Mounting</b>			
ALVA GROUND SPIKE 170	EL10820199	Ground anchor galvanised for installation of bollard lights in concrete foundation or solid ground	4015120820199
<b>Remote control</b>			
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356
REMOTE CONTROL PDi DALI	EP10425899	IR remote control for DALI presence detectors and motion detectors	4015120425899

### Dimension drawing



### Light distribution



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Field of detections	Detection range	Circuit diagram
	<ul style="list-style-type: none"> <li>Diagonally (A)      6 m</li> </ul>	
	<ul style="list-style-type: none"> <li>Frontal (B)      2 m</li> </ul>	

Standard operation.

### Detailed product description

- LED DALI bollard light made from high-grade aluminium
- Dirt-repellent thanks to powder coating with lotus effect
- Lamp head: opal satin
- Light distribution: 360°
- Integrated ballast (DALI), installation without further accessories
- DALI interface for 2-pin DALI control cable
- High-quality housing, die-cast aluminium, charcoal grey powder-coated, similar to RAL 7024
- DALI motion detector - orientation light - twilight switch - setting options via infrared remote control (accessory) - parallel wiring (master / master)
- Installation type: mounting plate for screwing on to a base, optionally via a ground anchor (accessories)
- Colour temperature 3000 K