

## ALVA BL 940/170 TR 360° 1200 840 MD IR DALI AN

**Item number** EL10820427  
**GTIN** 4015120820427



230 V ~	16 W		IP65		IK09		360°
LED 4000 K	CRI >80		3 m		140°		IR
<b>DALI BUS</b>							

### 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 4000 K

### Offers special product features like:

- Integrated motion detector with DALI bus voltage supply
- 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	1.50 – 2.50 mm <sup>2</sup>
Number of contacts	5
HOUSING	
Dimensions	Height/Depth 940 mm, Ø 170 mm
Weight	8000 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 ~ / 50 – 60 Hz

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

LIGHT	
Diffuser	transparent
Light emission	direct
Beam angle	159 °
Flicker factor	<3 %
Rated output P	17 W
Luminous flux	1350 lm
Luminous efficacy	79 lm/W
Colour temperature	4100 K
Colour rendering index Ra	> 80
Colour tolerance	1 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
Field of detection	44 m <sup>2</sup>

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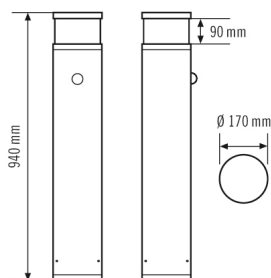
Range adjustment	mechanically with included cut to size lens mask
Channel	<b>C1</b> Lighting
Function	Switching
Switch-off delay time	60 s...30 min (adjustable in steps)
Orientation light	10 % or 20 % luminous efficiency
Switch-off delay time, orientation light	60 s...60 min
Channel	<b>C3</b> with accessory (ACTUATOR FULL AUTO C3 DALI)
Function	Switching
Switching capacity	10 A / 12 V DC

Switch contact	make contact / floating
Push button input	✓
Switch-off delay time	60 s...120 min (adjustable in steps)
Channel	<b>C4</b> with accessory (ACTUATOR SEMI AUTO C4 DALI)
Function	Switching
Switching capacity	10 A / 12 V DC
Switch contact	make contact / floating
Push button input	✓
Switch-off delay time	60 s...120 min (adjustable in steps)

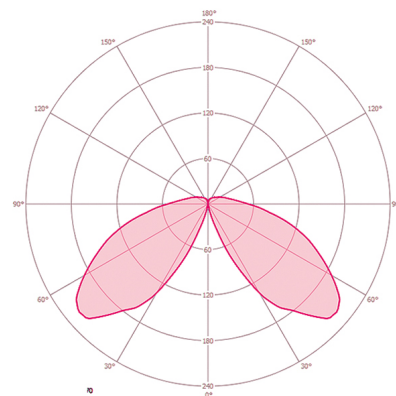
### Accessories

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 ANCHOR	EL10820083	Ground anchor galvanised for installation of bollard lights in concrete foundation or solid ground	4015120820083
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



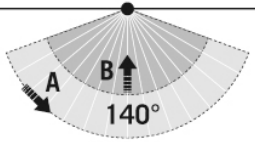
### Light distribution



# DATA SHEET

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Field of detections	Detection range	
	■ Diagonally (A)	6 m

### Detailed product description

- LED DALI bollard light made from high-grade aluminium
- Dirt-repellent thanks to powder coating with lotus effect
- Lamp head: crystal clear with no-glare light emission
- 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 4000 K