

## ALVA BL 940/170 TR 180° 700 840 MD IR DALI AN

**Item number** EL10820946  
**GTIN** 4015120820946



|                 |            |         |      |  |      |  |      |
|-----------------|------------|---------|------|--|------|--|------|
| 230 V ~         | 16 W       |         | IP65 |  | IK09 |  | 180° |
| r 6 m           | LED 4000 K | CRI >80 | 140° |  | IR   |  | DALI |
| <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
- 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  | 0.75 – 2.5 mm <sup>2</sup>         |
| Number of contacts              | 5                                  |
| HOUSING                         |                                    |
| Dimensions                      | Height/Depth 940 mm, Ø 170 mm      |
| Weight                          | 7830 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             | 810 lm      |
| Luminous efficacy         | 47 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  |
| Detection range head-on    | 2 m  |

# DATA SHEET

## ALVA BL 940/170 TR 180° 700 840 MD IR DALI AN

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|-------------|---------------|
| EL10820946  | 4015120820946 |

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

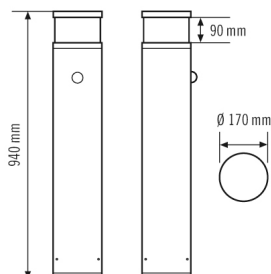
### Factory settings

| GENERAL                    |    | Operating mode                           |       |
|----------------------------|----|--|-------|
| Orientation light ON       | ✓  | Level of brightness/switching threshold  | 50 lx |
| CHANNELS (LIGHTING / HVAC) |    | Switch-off delay time                    | 5 min |
| Channel                    | C1 | Luminous efficiency of orientation light | 10 %  |

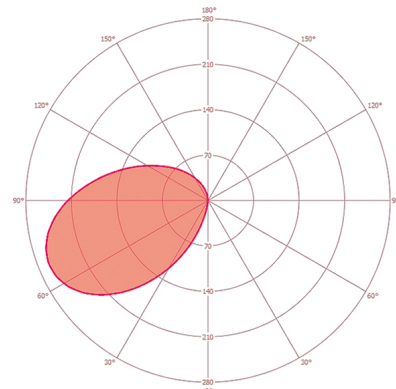
### Accessories

| 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



## ALVA BL 940/170 TR 180° 700 840 MD IR DALI AN

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| Field of detections | Detection range                  | Circuit diagram |
|---------------------|----------------------------------|-----------------|
|                     | <p>■ Diagonally (A)      6 m</p> |                 |
|                     | <p>■ Frontal (B)      2 m</p>    |                 |

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: crystal clear with no-glare light emission
- Light distribution: 180°
- 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