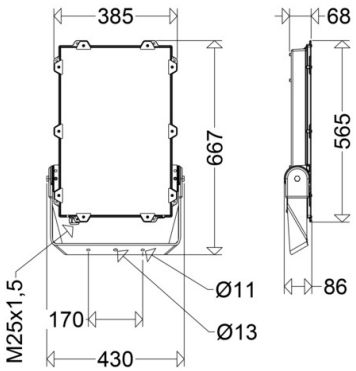
LED floodlight

# AREALO 2
# 7950 14403SP DIMD 730 OP
**[ Item no. : 79500 0014 ]**



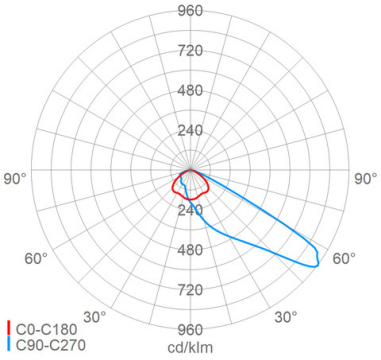
### General product description

LED floodlight AREALO 2 consisting of powder-coated die-cast aluminium housing with LED modules and ECG, tempered safety glass pane, cable entry and strain relief. Zhaga LED modules, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Mounting bracket with swivel range of 180°.




### General product benefits

- perfect thermal management due to direct connection of the LED modules to the housing, large cooling surface, excellent thermal conductivity
- homogenous illumination due to Multi-Layer Technology, i.e. every individual LED illuminates the whole surface, the light distribution curves of the LED are overlapping
- quick electrical connection due to easily accessible terminal box
- no light emission into the upper half space, ULOR=0
- versions dimmable to 10% and with color temperature up to 3,000 K comply with Dark Sky requirements
- interchangeable components
- future proof by using standardised Zhaga LED modules




### Applications

- industrial and storage areas, construction sites, surface mining large-scale equipment, facade illumination etc.
- sports facilities and large areas such as parking areas, stockyards, loading areas and stations, container terminals, port facilities, airport apron lighting, large opencast mining equipment etc.

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## [ Item no. : 79500 0014 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254424965 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 298 W |
| Luminaire luminous flux: | 46800 lm |
| Luminous efficacy: | 157 lm/W |
| Colour temperature: | 3000 K |
| Colour rendering (CRI): | ≥ 70 |
| Light colour: | 730 |
| Admissible ambient temperature $T_a$: | -40 °C to +40 °C |
| Control gear: | 2 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | C |
| Overvoltage protection: | 10 kV |
| I LED max: | 700 mA |

**Lighting control**

| | |
|---|---|
| Dimmable: | Yes |
| Dimming method: | DALI (DIMD) |
| Dimming range: | 10 - 100 % |

**Lighting technology**

| | |
|---|---|
| Optical system: | Lens optics |
| Optical system material: | PC |
| Light distribution: | extremely asymmetrical beam |
| Photobiological safety: | RG1 |

**Service life**

| | |
|---|---|
| Service life LED: | L95>100000 h (@ Ta max) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 50/60 Hz |
| Terminal clamp: | Cage clamp, 5-polig, 0,5 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 10 |
| CB B10/B13/B20: | 7/9/13 |
| CB C10/C13/C16/C20: | 10/13/17/20 |
| Cable entries: | M25 (1x), cable gland (1x), Plastic, 9 - 17 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |
| IP rating: | IP66 |
| IK rating: | IK09 |
| Approval marks: | CE |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Ceiling with bracket, Wall with bracket |

**Mounting**

| | |
|---|---|
| Operating position: | downwards radiation |
| Mounting: | 2-point |
| Swivel range: | 0 - 180 ° |
| Wind-exposed surface: | 0.27 m² |

**Housing**

| | |
|---|---|
| Housing material: | Die-cast aluminium |
| Varnished: | Yes |
| Colour: | grey, DB 702 |

**Cover**

| | |
|---|---|
| Cover type / material: | Pane (Safety glass) |
| Cover characteristic: | clear |
| Closure: | screwed |

**Other features**

| | |
|---|---|
| Pressure compensation system: | Yes |
| Extended overvoltage protection (OP): | Yes |

**Product life cycle**

| | |
|---|---|
| Dismountable at end of life: | Yes |
| recyclable: | 80 % |
| Construction modular: | Yes |
| Spareparts availability > 10 years: | Yes |
| luminaire is upgradeable: | Yes |
| Guarantee 5 years: | Yes |
| Packaging made of 95% recyclet paper: | Yes |

**Dimension/Weight**

| | |
|---|---|
| Length: | 667.00 mm |
| Width / Diameter: | 430.00 mm |
| Height: | 86.00 mm |
| Net weight: | 11.00 kg |

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**[ Item no. : 79500 0014 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 79510 0001 | ABD 7950 ESGW | safety glass pane clear |
| 90113 0040 | HA 144/L470 WH SCR | Shielding on the house side, plastic (PC), white with screw fastening, for item name 144... and L470... |
| 90113 0039 | HA 144/L470 WH BC | Shielding on the house side, plastic (PC), with mounting clip, for item name 144... and L470... |
| 90313 0003 | KV M25 G BK | cable gland M25 with locknut |
| 90259 9005 | DAE M20/25 BK | breather M20 with extension M25 |
| 90549 0001 | ESSB HSM | Inrush current limiter for top-hat rail mounting |
| 79511 0001 | TR 1200/108/170/5 M10/12 | |
| 79511 0006 | TR 1200/76/170/5 M10/12 | |
| 79511 0004 | TR 900/108/170/4 M10/12 | |
| 79511 0007 | TR 900/76/170/4 M10/12 | |
| 79511 0005 | MABD 108 | Pole cover ø108mm with strain relief and 4 cable entries |
| 79511 0002 | VBOX 5 TR | |
| 79511 0009 | VBOX RFL TR | |
| 79511 0010 | BFSET M10/M12 | fastening set with 2 M10 screw connections 1 M12 screw connection |
| 75739 9001 | MAU 1 76/170 M10 | |
| 75739 9002 | MAU 2 76/170 M10 | |
| 79511 0003 | SD 7950 ST | Vibration-absorbing mounting, galvanised steel |
| 79511 0008 | BD 7950 | |
| 99100 0040 | AKB 4,0m H07RN-F 3G1,5 | Connection cable 4,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0041 | AKB 4,5m H07RN-F 3G1,5 | Connection cable 4,5 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0042 | AKB 5,0m H07RN-F 3G1,5 | Connection cable 5,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0044 | AKB 6,0m H07RN-F 3G1,5 | Connection cable 6,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0046 | AKB 7,0m H07RN-F 3G1,5 | Connection cable 7,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0048 | AKB 8,0m H07RN-F 3G1,5 | Connection cable 8,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0050 | AKB 9,0m H07RN-F 3G1,5 | Connection cable 9,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |

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| | | |
|---|---|---|
| 99100 0052 | AKB 10,0m H07RN-F 3G1,5 | Connection cable 10,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0056 | AKB 12,0m H07RN-F 3G1,5 | Connection cable 12,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire |
| 99100 0074 | AKB 5,0m H07RN-F 4G1,5 | Connection cable 5,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0076 | AKB 6,0m H07RN-F 4G1,5 | Connection cable 6,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |
| 99100 0088 | AKB 12,0m H07RN-F 4G1,5 | Connection cable 12,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire |