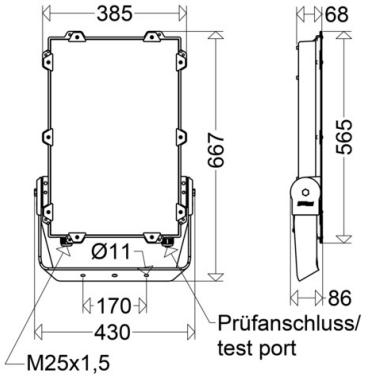
Explosion-protected LED floodlight

# ExAREALO 2
# nD8950 14401TB
**[ Item no. : 89500 0102 ]**



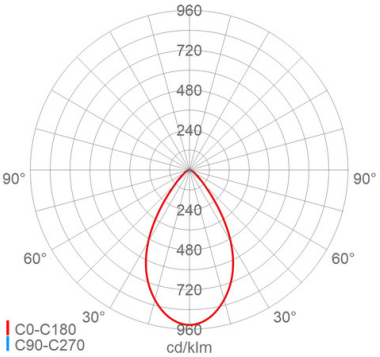
### General product description

EX LED floodlight ExAREALO 2 of the GreenLine series with outstanding sustainable product design for zone 2/22. Consisting of powder-coated die-cast aluminium housing with LED modules and ECG, tempered safety glass pane with silicone gasket, cable entry and strain relief. Zhaga LED modules with highly efficient optics, 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
- eco-friendly; versions dimmable to 10% and with color temperature up to 3,000 K comply with Dark Sky requirements
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules
- GreenLine luminaire, outstanding sustainable design




### Applications

- hazardous areas of zone 2 (gas) and zone 22 (dust), indoors and outdoors, e.g. storage areas, construction sites, transport routes, pipe bridges, areas near buildings

Explosion-protected LED floodlight

# ExAREALO 2
# nD8950 14401TB
## [ Item no. : 89500 0102 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254445472 |

**Explosion protection**

| | |
|---|---|
| EX-Zone: | 2 , 22 |
| EX-marking gas: | II 3 G Ex nR IIC T4 Gc |
| EX-marking dust: | II 3 D Ex tc IIIC T100°C Dc |
| Primary ignition protection method: | nR |
| Temperature class: | T4 |
| Surface temperature: | T100°C |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 144 W |
| Luminaire luminous flux: | 26500 lm |
| Luminous efficacy: | 184 lm/W |
| Colour temperature: | 4000 K |
| Colour rendering (CRI): | ≥ 70 |
| Light colour: | 740 |
| Admissible ambient temperature $T_a$: | -30 °C to +40 °C |
| Control gear: | 1 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | B |
| Overvoltage protection: | 10 kV |

**Lighting technology**

| | |
|---|---|
| Optical system: | Lens optics |
| Optical system material: | PMMA |
| Light distribution: | narrow wide beam |
| Photobiological safety: | RG2 |
| Light emission: | ULOR=0 |

**Service life**

| | |
|---|---|
| Service life LED: | L95>100000 h (@Ta 25°C), L95>100000 h (@ Ta max) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 50/60 Hz |
| Terminal clamp: | Cage clamp, 3-polig, 0,5 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 20 |
| CB B10/B13/B20: | 13/17/26 |
| CB C10/C13/C16/C20: | 20/27/34/41 |
| Cable entries: | M25 (1x), cable gland (1x), Plastic, 8 - 17 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |

**Features/Certificates**

| | |
|---|---|
| IP rating: | IP66 |
| IK rating: | IK09 |
| Approval marks: | CE |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Ceiling with bracket, Wall with bracket, Pole-top mounting, Pole with pipe clamp |
| Operating position: | downwards radiation, forwards radiation |
| Mounting: | 2-point |
| Swivel range: | 0 - 180 ° |
| Wind-exposed surface: | 0.05 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 (Stainless steel (1.4310)) |

**Other features**

| | |
|---|---|
| Extended overvoltage protection (OP): | Yes |

**Sustainability**

| | |
|---|---|
| GreenLine: | Yes |
| Rezyklat material content ≥ 50%: | 50 % |
| Dismountable at end of life: | Yes |
| ≥ 80% recycelable: | 80 % |
| Construction modular: | Yes |
| Spareparts availability > 10 years: | Yes |
| Guarantee 5 years: | Yes |
| Packaging made of 100% recyclet paper: | Yes |

**Dimension/Weight**

| | |
|---|---|
| Length: | 667.00 mm |
| Width / Diameter: | 430.00 mm |
| Height: | 86.00 mm |
| Net weight: | 10.70 kg |

# ExAREALO 2
# nD8950 14401TB
**[ Item no. : 89500 0102 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 90117 9000 | 2537 | cable gland M25 for Ex-Zone 1/21 |
| 90119 9000 | 2539 | cable gland M25 with blanking plug for Ex-Zone 1/21 |
| 90270 0006 | ROB 60/76 G2 | |
| 75739 9001 | MAU 1 76/170 M10 | |
| 75739 9002 | MAU 2 76/170 M10 | |
| 79559 0001 | WDBF 7955 ST | wall and ceiling mounting painted steel |
| 79559 0003 | WDBF 7955 E4 | wall and ceiling mounting stainless steel 1.4571 |
| 79511 0001 | TR 1200/108/170/5 M10/12 | |
| 79511 0004 | TR 900/108/170/4 M10/12 | |
| 79511 0007 | TR 900/76/170/4 M10/12 | |
| 79511 0006 | TR 1200/76/170/5 M10/12 | |
| 79511 0008 | BD 7950 | |