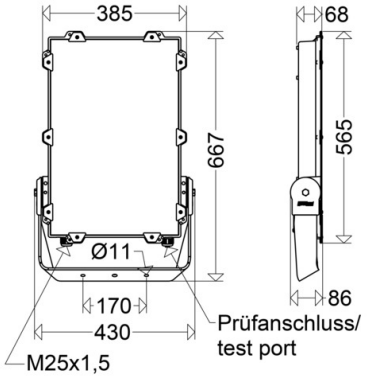
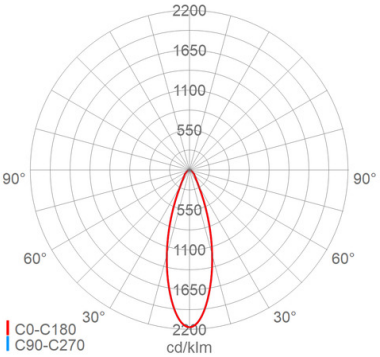
Explosion-protected LED floodlight

ExAREALO 2
nD8950 14402T
[Item no. : 89500 0203]







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

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Technical data

General

EAN/GTIN:	4041254445564

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:	209 W
Luminaire luminous flux:	36800 lm
Luminous efficacy:	176 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:	2 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 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:	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, 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

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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	