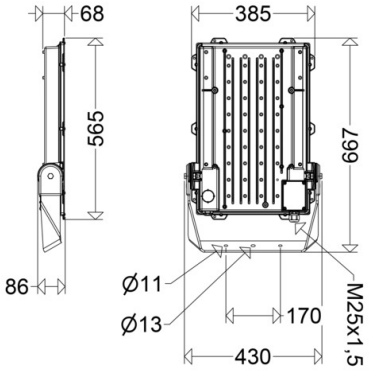
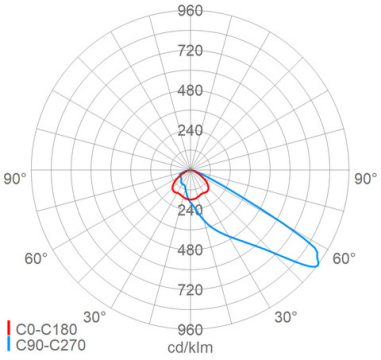
LED floodlight

AREALO 2
7950 14404SP OP RFLSO
[Item no. : 79501 0001]







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 socket on the top of the housing. 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°. Thanks to their Zhaga Book 18-compliant base and integrated D4i control gear, RFL luminaires are optimally prepared for “plug-and-play” use with a light management system or sensor technology (e.g. motion detectors). To avoid functional limitations or possible damage to the system, we strongly advise against using components that are not D4i-certified.

General product benefits

- later use of a light management system possible at any time
- quick assembly of the light management system components, no tools required
- standardized Zhaga socket allow free choice of light management system
- 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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Technical data

General

EAN/GTIN:	4041254421629

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	432 W
Luminaire luminous flux:	66500 lm
Luminous efficacy:	154 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 70
Light colour:	740
Admissible ambient temperature T_a:	-40 °C to +40 °C
Control gear:	2 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	B
Overvoltage protection:	10 kV
I LED max:	1000 mA

Lighting control

Light management system:	Ready for Light Management Systems (RFL)
RFL socket:	socket on the top (RFLO)

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:	Screw terminal, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	5
CB B10/B13/B20:	4/5/7
CB C10/C13/C16/C20:	5/6/8/10
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
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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Optional accessories / spare parts

Item no.	Item name	Item description
79510 0001	ABD 7950 ESGW	safety glass pane clear
90313 0003	KV M25 G BK	cable gland M25 with locknut
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 0010	BFSET M10/M12	fastening set with 2 M10 screw connections 1 M12 screw connection
79511 0002	VBOX 5 TR	
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	