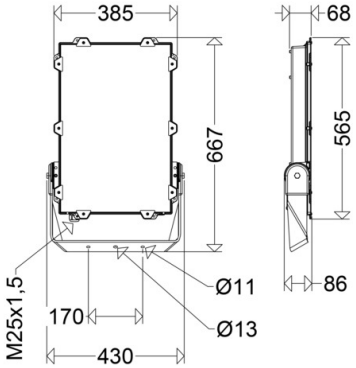
LED floodlight

AREALO 2
7950 14402SP OV
[Item no. : 79502 0201]



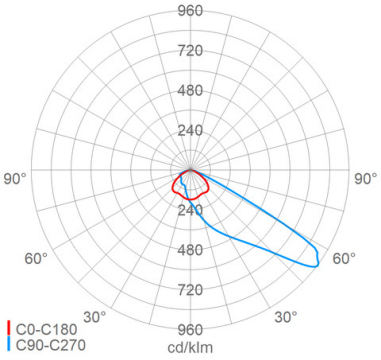
General product description

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. ECG on seperate mast mounting unit (ECG necessary – see accessories). Zhaga LED modules, direct beam, Multi-Layer Technology. Connection via externally accessible connection compartment on the housing segment. 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
- fast ECG replacement, no boom lift required
- 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:	4041254425054

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:	-40 °C to +40 °C
Control gear:	Overload protection, Short circuit protection
Energy efficiency class:	B
Overvoltage protection:	10 kV
I LED max:	500 mA

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:	11
CB B10/B13/B20:	7/9/14
CB C10/C13/C16/C20:	11/14/18/22
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:	10.30 kg

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Mandatory accessories

Item no.	Item name	Item description
79512 0004	EVG 7950 1 14402 OV	
79512 0005	EVG 7950 2 14402 OV	
79512 0006	EVG 7950 3 14402 OV	

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 0010	BFSET M10/M12	fastening set with 2 M10 screw connections 1 M12 screw connection
79511 0002	VBOX 5 TR	
79511 0009	VBOX RFL 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	
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

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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
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