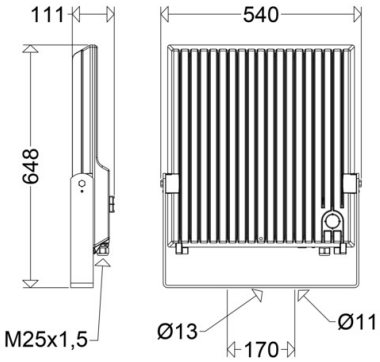
LED floodlight

FOCO XL
7800 12803TB RFLOU
[Item no. : 78002 0046]



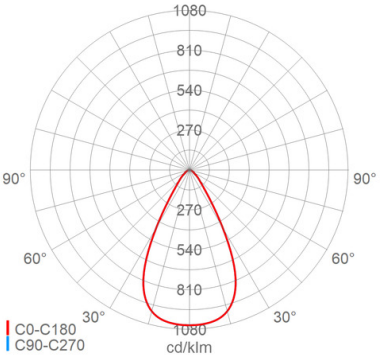
General product description

LED floodlight FOCO XL consisting of powder-coated die-cast aluminium housing, two-part. Upper part with LED modules, lower part with ECG, tempered safety glass pane, cable entry and strain relief, hinged. Zhaga socket on the top and/or bottom 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
- comfortable maintenance due to hinged and removable lower part of the housing, large opening allows easy access to the terminal box and the electrical components, ECG replaceable on-site
- 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.

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Technical data

General

EAN/GTIN:	4041254408750

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	280 W
Luminaire luminous flux:	43920 lm
Luminous efficacy:	157 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 (NFC-enabled), Overload protection, Short circuit protection
Energy efficiency class:	B
Overvoltage protection:	10 kV
I LED max:	700 mA

Lighting control

Light management system:	Ready for Light Management Systems (RFL)
RFL socket:	socket on the top and at the bottom (RFLOU)

Lighting technology

Optical system:	Lens optics
Optical system material:	PMMA
Light distribution:	narrow wide beam
Beam angle:	65 °
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:	3
CB B10/B13/B20:	2/3/4
CB C10/C13/C16/C20:	3/4/5/6
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

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:	648.00 mm
Width / Diameter:	540.00 mm
Height:	111.00 mm
Net weight:	17.00 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
78001 9001	ABD 7800 ESGW	safety glass pane clear
90313 0002	KV M25 BK	cable gland 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
75739 9001	MAU 1 76/170 M10	
75739 9002	MAU 2 76/170 M10	
90270 0005	ROB 60/76	pipe clamp for pole ø 60-76mm
75350 0033	SD 7800 ST	Vibration-absorbing mounting, galvanised steel
90546 9018	RFL BM/DS IR12	RFL motion sensor with light sensor, infrared (luminaire mounting height: max. 12.0 m)
90546 9004	RFL BM/DS IR8	RFL motion sensor with light sensor, infrared (luminaire mounting height: max. 8.0 m)
90546 9000	RFL DS20	RFL control unit with light sensor, standalone, 20 lx
90543 0001	LASC DONGLE USB + SOFT + LIZ	LIMAS Air SYNC USB dongle with software and license
90546 9012	RFL LASC BM RAD10 MA MK2	RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with radar motion sensor (maximum installation height: 10.0 m) for pole mounting with 2.0 m cable
90546 9011	RFL LASC BM RAD8	RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with radar motion sensor (luminaire mounting height: max. 8.0 m)
90546 9027	RFL LASC DS GPS	RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with light sensor and GPS antenna
90546 9010	RFL LASC DS GPS SIM	RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with light sensor, GPS antenna and eSIM
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
		Connection cable 5,0 m H07RN-F 3x1,5mm², connected to the above

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99100 0042	AKB 5,0m H07RN-F 3G1,5	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
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 0078	AKB 7,0m H07RN-F 4G1,5	Connection cable 7,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0080	AKB 8,0m H07RN-F 4G1,5	Connection cable 8,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0082	AKB 9,0m H07RN-F 4G1,5	Connection cable 9,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0084	AKB 10,0m H07RN-F 4G1,5	Connection cable 10,0 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