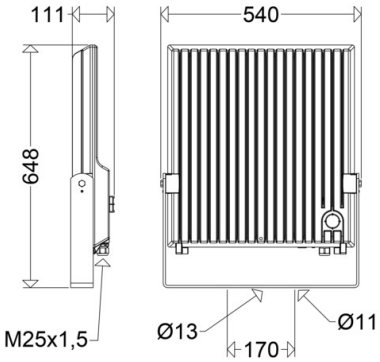
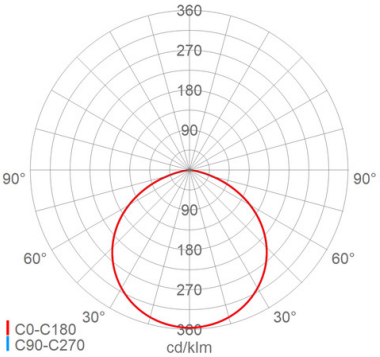
LED floodlight

# FOCO XL
# 7800 6403 RFLOU
**[ Item no. : 78002 0041 ]**






### 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: | 4041254408675 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 140 W |
| Luminaire luminous flux: | 22650 lm |
| Luminous efficacy: | 162 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: | 1 x ECG, 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**

| | |
|---|---|
| Light distribution: | wide beam |
| Beam angle: | 115 ° |
| 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: | 7 |
| CB B10/B13/B20: | 5/6/9 |
| CB C10/C13/C16/C20: | 7/9/11/14 |
| 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: | 15.90 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 |