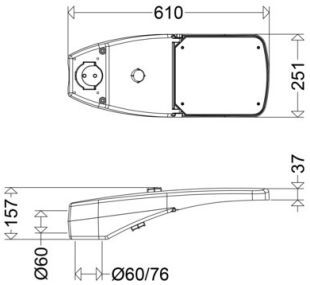
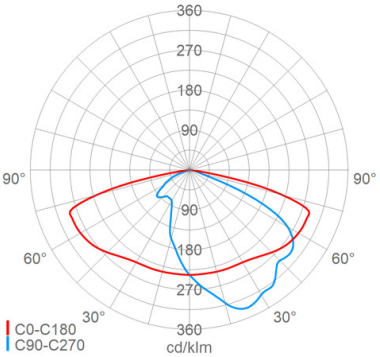
LED outdoor light fitting

# CAMINO
# 48 3203 RFLOU
**[ Item no. : 48004 0012 ]**






### General product description

LED outdoor light fitting consisting of powder-coated die-cast aluminium housing, two-part. Upper part with ECG, LED modules, optics and frameless tempered safety glass pane, hinged and detachable from the lower part. Lower part with integrated pole mounting system, adjustable inclination, cable entry, strain relief and integrated pressure compensation system (dirt-resistant). Zhaga socket on the top and/or bottom of the housing. Electro kit carrying all electrical components, completely removable by unplugging isolating plug connection. Zhaga LED modules with highly efficient optics, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Universal die-cast aluminium pole mounting system for pole top Ø 60/76 mm and pole base Ø 60 mm or Ø 42 mm with separate reducing accessories. The light fitting is prepared for later upgrades with components of a light management system with Zhaga socket. RFL luminaires from Schuch use D4i control gear without exception. All D4i Zhaga Book 18 certified controllers and D4i Zhaga Book 18 certified sensors available on the market can be used in combination with RFL luminaires from Schuch. However, controllers and sensors that do not comply with the D4i standard may restrict the functionality of the luminaires and components. In addition, in individual cases, such non-certified components may cause damage to both the luminaires and the components.

### 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
- long-lasting, corrosion-resistant die-cast aluminium housing with smooth surface without cooling fins
- perfect thermal management due to direct connection of the LED modules to the housing
- integrated pressure compensation system prevents condensation inside the light fitting
- tiltable universal pole mounting system for pole-top and side-entry mounting, no tools required
- no additional mounting adapters required
- removable upper part of the housing allows comfortable, time- and cost-saving mounting in 2 steps: 1.: Mount lower part on the pole and connect the mains - 2.: Hinge upper part, connect isolating plug and shut the housing. READY
- adjustable inclination of the light fitting, no tools required
- upgrades in regard to technical development by easy change of the upper part. After replacement of the LED modules, the upper part can be used again
- homogenous illumination due to Multi-Layer Technology
- 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

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**Applications**

- residential streets, main and by-roads, roundabouts, walkways and cycle lanes, traffic-calmed zones, streets on factory sites, parking areas, car parks, gateways etc.

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### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254364865 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 70 W |
| Luminaire luminous flux: | 11140 lm |
| Luminous efficacy: | 159 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**

| | |
|---|---|
| Optical system: | Lens optics |
| Optical system material: | PMMA |
| Light distribution: | asymmetrical wide 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: | Plug, Screw terminal, 3-polig, 0,75 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 23 |
| CB B10/B13/B20: | 15/19/29 |
| CB C10/C13/C16/C20: | 23/31/39/47 |
| Cable entries: | blanking plug (1x), Plastic, 9 - 14 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | II |
| IP rating: | IP66 |
| IK rating: | IK09 |
| Approval marks: | CE, VDE, ENEC |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Pole-top mounting, Side-entry mounting, Side-entry mounting Ø 42mm only with reducer Article number: 90306 0004 |
| Operating position: | downwards radiation |
| Side-entry mounting: | Ø 60mm x 100mm |
| Pole-top mounting: | Ø 60/76mm |
| Inclination side-entry: | 0 °, -5 °, -10 °, -15 ° |
| Inclination pole-top: | 0 °, 5 °, 10 ° |
| 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 |

**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: | 610.00 mm |
| Width / Diameter: | 251.00 mm |
| Height: | 157.00 mm |
| Net weight: | 7.50 kg |

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**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 48002 9000 | ABD 48 ESGW | safety glass pane clear |
| 90306 0004 | RZ 60/42 CAMINO | reducer ø60 -> 42mm |
| 48600 0001 | 4860 | pole arm bracket cast aluminium ø=42mm, L=100mm |
| 48600 0002 | 4861 | pole arm bracket ø=60mm, L=100mm |
| 48600 0003 | 4862 | pole arm bracket cast aluminium ø=42mm, L=250mm |
| 48600 0004 | 4863 | pole arm bracket cast aluminium ø=42mm, L=400mm |
| 48600 0005 | 4864 | pole arm bracket cast aluminium ø=60mm, L=250mm |
| 48700 0002 | 4871 RAL7035 | pole arm bracket ø=60mm, L=100mm |
| 48700 0504 | 4871 DB703 | pole arm bracket ø=60mm, L=100mm |
| 60099 0001 | MAU 600/1 | pole-top bracket for 1 light fitting ø=42mm (side-entry mounting) |
| 60099 0002 | MAU 600/2 | pole-top bracket for 2 light fittings (180°) ø=42mm (side-entry mounting) |
| 60099 0003 | MAU 600/3 | pole-top bracket for 3 light fittings (120°) ø=42mm (side-entry mounting) |
| 60099 0004 | MAU 600/4 | pole-top bracket for 4 light fittings (90°) ø=42mm (side-entry mounting) |
| 60199 0001 | MAU 601/1 | pole-top bracket for 1 light fitting ø=60mm |
| 60199 0002 | MAU 601/2 | pole-top bracket for 2 light fittings ø=60mm |
| 60199 0003 | MAU 601/3 | pole-top bracket for 3 light fittings ø=60mm |
| 60199 0004 | MAU 601/4 | pole-top bracket for 4 light fittings ø=60mm |
| 60699 0001 | 606 | reducer ø48 -> 42mm L=400mm |
| 60799 0001 | 607 | reducer ø60 -> 42mm L=230mm |
| 62599 0001 | MAU 625/1 | pole-top bracket for 1 light fitting ø=60mm |
| 62599 0002 | MAU 625/2 | pole-top bracket for 2 light fittings ø=60mm |
| 62599 0003 | MAU 625/3 | pole-top bracket for 3 light fittings ø=60mm |
| 62599 0004 | MAU 625/4 | pole-top bracket for 4 light fittings ø=60mm |
| 90113 0016 | HA 08/L25 VS | Shielding on the house side , plastic (PC) for 08 and L25 |
| 90113 0017 | HA 16/L50 VS | Shielding on the house side , plastic (PC) for 16 and L50 |
| 90113 0018 | HA 24/L75 VS | Shielding on the house side , plastic (PC) for 24 and L75 |
| 90113 0019 | HA 32/L80/L100 VS | Shielding on the house side , plastic (PC) for 32 and L100 |
| 90543 0001 | LASC DONGLE USB + SOFT + LIZ | LIMAS Air SYNC USB dongle with software and license |
| 90546 9027 | RFL LASC DS GPS | RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh network) with light sensor and GPS antenna |
| | | RFL LIMAS Air SYNC lighting management controller (2.4 GHz mesh |

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| | | |
|---|---|---|
| 90546 9010 | RFL LASC DS GPS SIM | network) with light sensor, GPS antenna and eSIM |
| 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 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 9000 | RFL DS20 | RFL control unit with light sensor, standalone, 20 lx |
| 90546 9004 | RFL BM/DS IR8 | RFL motion sensor with light sensor, infrared (luminaire mounting height: max. 8.0 m) |
| 90545 0004 | LASC GATEWAY 3 EU | Gateway for comprehensive monitoring and control of light fittings remotely |
| 90546 9018 | RFL BM/DS IR12 | RFL motion sensor with light sensor, infrared (luminaire mounting height: max. 12.0 m) |