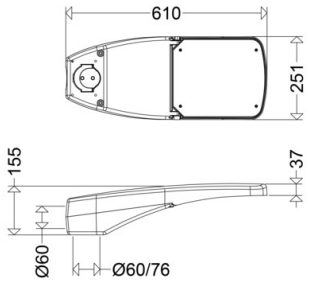
LED outdoor light fitting

# CAMINO
# 48 1603 CL LA
**[ Item no. : 48001 0008 ]**



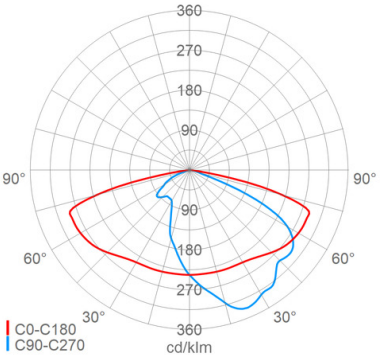
### General product description

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). 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.




### General product benefits

- 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




### 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: | 4041254260600 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 32 W |
| Luminaire luminous flux: | 4930 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: | 1 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | B |
| Overvoltage protection: | 10 kV |
| I LED max: | 700 mA |

**Lighting control**

| | |
|---|---|
| Dimmable: | Yes |
| Power reduction: | without control phase (LA) |
| Connected load with power reduction LA/LR: | 15 W |
| Luminous flux with power reduction LA/LR: | 50 % |
| Constant luminous flux control (CL): | Yes |
| Connected load (end of life) with CL: | 35 W |
| Averaged connected load with CL: | 34 W |

**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 |

**Electrical connection**

| | |
|---|---|
| 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: | 155.00 mm |
| Net weight: | 7.00 kg |

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**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 48002 9000 | ABD 48 ESGW | safety glass pane clear |
| 90113 0002 | HA 08/L25 | Shielding on the house side , plastic (PC) for item name 08... and L25... |
| 90113 0003 | HA 16/L50 | Shielding on the house side , plastic (PC) for item name 16... and L50... |
| 90113 0004 | HA 24/L75 | Shielding on the house side , plastic (PC) for item name 24... and L75... |
| 90113 0005 | HA 32/L100 | Shielding on the house side , plastic (PC) for item name 32... and L100... |
| 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 |