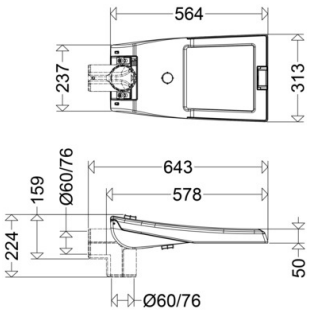
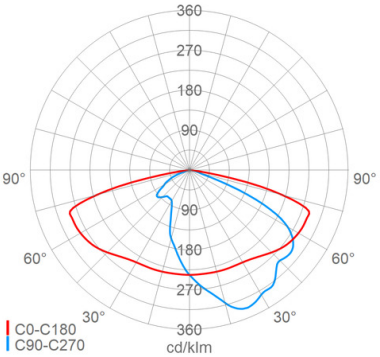
LED outdoor light fitting

# VIA
# 51 0803 RFLOU
**[ Item no. : 51003 0009 ]**






### General product description

LED outdoor light fitting VIA consisting of powder-coated die-cast aluminum housing, hinged, with safety clip. LED module(s) and ECG mounted on tool-free removable support plates in the upper part of the housing. Cable entry with gland and strain relief, disconnect plug connection and pressure equalization system in the lower part of the housing, flat safety glass, silicone seal, central locking made of aluminum. Zhaga compliant LED modules with high efficiency optics, direct beam, multi-layer technology. ECG with high surge voltage resistance, overload and short circuit protection. Universal mast spigot made of die-cast aluminum for mast spigot 60/76 for mast mounting or mast mounting. Separate reducing accessories are required for mast spigot 42. Tilt adjustment 0°, 5°, 10°, 15° for surface mounting, 0°, -5°, -10°, -15° for surface mounting, scaling on luminaire housing. 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
- long-lasting, corrosion-resistant die-cast aluminium housing with smooth surface without cooling fins
- quick and easy mounting due to toolless opening of the light fitting by means of a central toggle clamp lever
- no uncomfortable "working overhead", light fitting opens upwards
- pre-assembled universal pole attachment for pole spigot 60 and 76 for pole attachment or pole top mounting
- easy insertion of the cable into the terminal compartment due to cable gland
- tool-free exchange of the LED board (carrier plate, disconnect plug, clamping spring) as well as ECG exchange (carrier plate, disconnect plug, clamping spring)
- time- and cost-saving component replacement at the end of service life or retrofitting in the event of further technical development or the use of other / warmest light colours
- homogenous illumination due to Multi-Layer Technology
- integrated pressure compensation system prevents condensation inside the light fitting
- 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
- components tool-free interchangeable
- future proof by using standardised Zhaga LED modules

### Applications

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- 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: | 4041254376691 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 18 W |
| Luminaire luminous flux: | 2810 lm |
| Luminous efficacy: | 156 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 (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: | 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): | Side-entry mounting, Pole-top mounting |
| Operating position: | downwards radiation |
| Side-entry mounting: | Ø 60mm x 100mm, Ø 76mm x 90mm |
| Pole-top mounting: | Ø 60/76mm |
| Inclination side-entry: | 0 °, -5 °, -10 °, -15 ° |
| Inclination pole-top: | 0 °, 5 °, 10 °, 15 ° |
| Wind-exposed surface: | 0.16 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: | 90 % |
| 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: | 643.00 mm |
| Width / Diameter: | 313.00 mm |
| Height: | 224.00 mm |
| Net weight: | 8.00 kg |

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**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 51010 9000 | ABD 51 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... |
| 90309 0001 | RZ 76/42 VIA | |
| 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 |
| 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 |
| 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 |
| 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) |