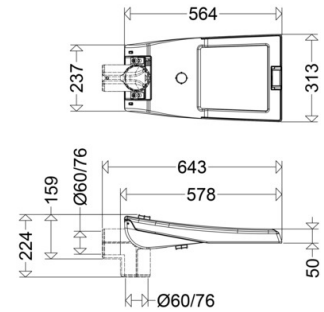
LED outdoor light fitting

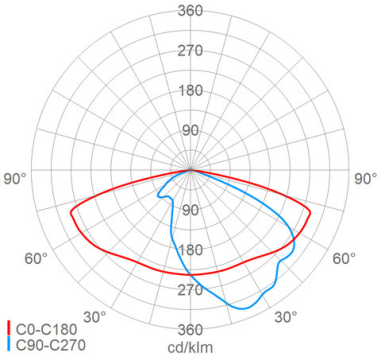
VIA
51 1603 RFLOU
[Item no. : 51003 0010]



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

VIA
51 1603 RFLOU
[Item no. : 51003 0010]

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

VIA
51 1603 RFLOU
[Item no. : 51003 0010]

Technical data

General

EAN/GTIN:	4041254376707

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	35 W
Luminaire luminous flux:	5480 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:	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

VIA
51 1603 RFLOU
[Item no. : 51003 0010]

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)