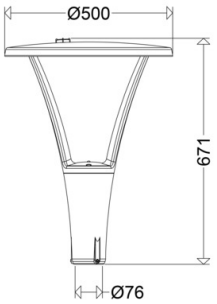
LED pole-top light fitting

KONIC
544 1603R G2 RFLO
[Item no. : 54406 0008]



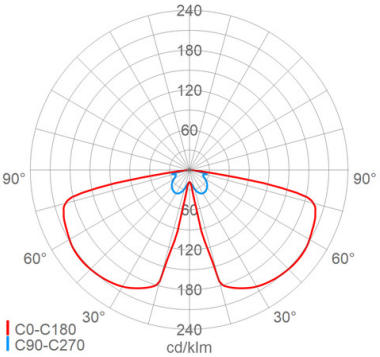
General product description

LED pole-top light fitting KONIC, consisting of powder-coated die-cast aluminium housing, three-part. Lower part with cable entry, ECG, isolating plug connection and strain relief. Upper part with LED modules, optics and flat safety glass. Braces with cable feed-through. Zhaga LED modules with highly efficient optics, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Mounting on straight poles Ø 76mm (see "Optional accessories" for poles Ø 60mm). 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
- perfect thermal management due to direct connection of the LED modules to the roof, 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
- removable upper part of the housing and terminal block with isolating plug connection allows comfortable, time- and cost-saving mounting.
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- BlackEdition, ULOR=0%
- interchangeable components
- future proof by using standardised Zhaga LED modules



Applications

- promenades, public parks, pedestrian areas, public places etc.

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Technical data

General

EAN/GTIN:	4041254407302

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:	5180 lm
Luminous efficacy:	148 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 70
Light colour:	740
Admissible ambient temperature T_a:	-40 °C to +50 °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 (RFLO)

Lighting technology

Optical system:	Lens optics
Optical system material:	PMMA
Light distribution:	rotationally symmetrical beam
Photobiological safety:	RG1
Light emission:	ULOR=0%

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, 10 - 14 mm

Features/Certificates

Protection class:	II
IP rating:	IP65
IK rating:	IK06
Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Pole-top mounting
Operating position:	downwards radiation
Pole-top mounting:	Ø 76mm
Wind-exposed surface:	0.07 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 (Stainless steel V2A)

Other features

Pressure compensation system:	Yes
Special features:	ULOR=0%

Dimension/Weight

Width / Diameter:	500.00 mm
Height:	671.00 mm
Net weight:	9.60 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
54410 0001	ABD 544 G2 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...
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
90044 0001	RZ 1 GY	reducer ø76 -> 60mm
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 9000	RFL DS20	RFL control unit with light sensor, standalone, 20 lx