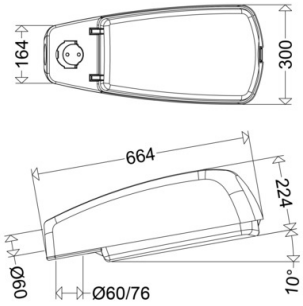
LED outdoor light fitting

LUCA
46 L100 G2 VARIO
[Item no. : 46007 0002]



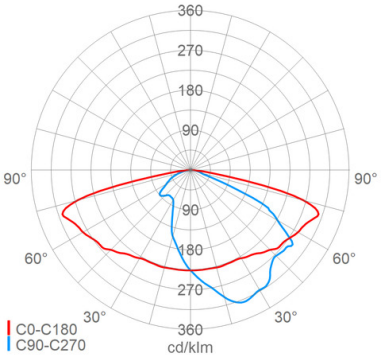
General product description

LED outdoor light fitting with variably adjustable luminous flux, consisting of glass fibre reinforced polyester housing with UV- and weather-resistant coating, PC cover and central locking clip. Gear tray with ECG and LED modules, clipped into the cover/frame (sandwich design), hinged and detachable, isolating plug connection, strain relief and integrated pressure compensation system. Zhaga LED modules with highly efficient optics, direct beam, Multi-Layer Technology. NFC-enabled ECG with high surge protection, overload and short circuit protection. Universal die-cast aluminium pole mounting system for pole-top Ø 60 /76mm and side-entry mounting Ø 42/60mm.



General product benefits

- reduction of type diversity due to variably adjustable luminous flux
- simple, fast and toolless setting of the luminous flux on-site by means of integrated DIP switch, adjustable at any time
- high flexibility due to variable luminous flux setting
- highly economical stocking
- long-lasting polyester housing with UV- and weather-resistant coating
- protection of the LED against mechanical and electrostatic damage due to sandwich design of cover and gear tray
- Integrated pressure equalisation system for defined ‘breathing’ prevents condensation from forming inside the luminaire.
- tiltable universal pole mounting system for pole-top and side-entry mounting, no tools required
- no additional mounting adapters required
- hinged and detachable compact unit, consisting of cover, aluminium frame, gear tray and LED modules, to be opened without tools, thus allowing comfortable maintenance and quick change of components or upgrade in case of technical development
- 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:	4041254397894

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	16 W, 70 W
Luminaire luminous flux:	2910 lm, 11720 lm
Luminous efficacy:	182 lm/W, 167 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
Special features:	with a built-in DIP switch for adjusting the luminous flux in the fixture (only min, max values listed above)

Lighting control

Constant luminous flux control (CL):	Yes

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:	12
CB B10/B13/B20:	8/10/16
CB C10/C13/C16/C20:	12/16/20/24

Features/Certificates

Protection class:	II
IP rating:	IP65
IK rating:	IK10
Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Pole-top mounting, Side-entry mounting, Side-entry mounting Ø 42mm only with reducer Article number: 90306 0003
Operating position:	downwards radiation
Side-entry mounting:	Ø 60mm x 100mm
Pole-top mounting:	Ø 60/76mm
Inclination side-entry:	0 °
Inclination pole-top:	10 °
Wind-exposed surface:	0.17 m²

Housing

Housing material:	Glass fibre reinforced polyester
Varnished:	Yes
Colour:	grey, RAL 7035

Cover

Cover type / material:	Diffuser (PC)
Cover characteristic:	clear
Closure:	central locking system (Stainless steel (1.4301))

Other features

Pressure compensation system:	Yes

Product life cycle

Dismountable at end of life:	Yes
Construction modular:	Yes
Spareparts availability > 10 years:	Yes
luminaire is upgradeable:	Yes
Guarantee 5 years:	Yes

Dimension/Weight

Length:	664.00 mm
Width / Diameter:	300.00 mm
Height:	224.00 mm
Net weight:	6.00 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
46001 9003	ABD 46 G2 PC K	cover PC clear UV-
90113 0026	HA 16/L50 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 16... and L50...
90113 0033	HA 16/L50 WH BC	Shielding on the house side, plastic (PC), with mounting clip, for item name 16... and L50...
90113 0028	HA 32/L100 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 32... and L100...
90113 0035	HA 32/L100 WH BC	Shielding on the house side, plastic (PC), with mounting clip, for item name 32... and L100...
90113 0030	HA 64/L210 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 64... and L210...
90113 0037	HA 64/L210 WH BC	Shielding on the house side, plastic (PC), with mounting clip, for item name 64... and L210...
90549 0001	ESSB HSM	Inrush current limiter for top-hat rail mounting
90306 0003	RZ 60/42 LUCA	reducer ø60 -> 42mm
48600 0002	4861	pole arm bracket ø=60mm, L=100mm
48600 0005	4864	pole arm bracket cast aluminium ø=60mm, L=250mm
48700 0002	4871 RAL7035	pole arm bracket ø=60mm, L=100mm
48700 0506	4871 DB702	pole arm bracket ø=60mm, L=100mm
48700 0504	4871 DB703	pole arm bracket ø=60mm, L=100mm
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
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
99100 0040	AKB 4,0m H07RN-F 3G1,5	Connection cable 4,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0041	AKB 4,5m H07RN-F 3G1,5	Connection cable 4,5 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0042	AKB 5,0m H07RN-F 3G1,5	Connection cable 5,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire

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99100 0044	AKB 6,0m H07RN-F 3G1,5	Connection cable 6,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0046	AKB 7,0m H07RN-F 3G1,5	Connection cable 7,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0048	AKB 8,0m H07RN-F 3G1,5	Connection cable 8,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0050	AKB 9,0m H07RN-F 3G1,5	Connection cable 9,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0052	AKB 10,0m H07RN-F 3G1,5	Connection cable 10,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0056	AKB 12,0m H07RN-F 3G1,5	Connection cable 12,0 m H07RN-F 3x1,5mm², connected to the above mentioned luminaire
99100 0074	AKB 5,0m H07RN-F 4G1,5	Connection cable 5,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0076	AKB 6,0m H07RN-F 4G1,5	Connection cable 6,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0078	AKB 7,0m H07RN-F 4G1,5	Connection cable 7,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0080	AKB 8,0m H07RN-F 4G1,5	Connection cable 8,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0082	AKB 9,0m H07RN-F 4G1,5	Connection cable 9,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0084	AKB 10,0m H07RN-F 4G1,5	Connection cable 10,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire
99100 0088	AKB 12,0m H07RN-F 4G1,5	Connection cable 12,0 m H07RN-F 4x1,5mm², connected to the above mentioned luminaire