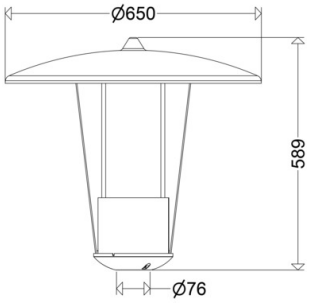
LED pole-top light fitting

RETRO
543 L50 G2 VARIO
[Item no. : 54301 0005]



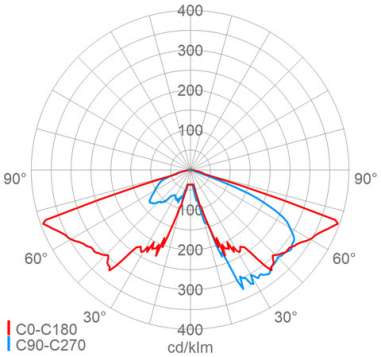
General product description

LED pole-top light fitting RETRO with variably adjustable luminous flux, consisting of glass fibre reinforced polyester roof, powder-coated aluminium pole mount and clear conical PMMA cover. LED module and ECG unit wired ready for connection, disconnect plug connection to mains terminal and strain relief for connection cable. Zhaga LED modules with highly efficient optics and frosted cover, 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).



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
- highly economical stocking
- optimal light distribution due to highly efficient lens optics with direct beam
- uniform illumination due to Multi-Layer-Technology, i.e. every individual LED illuminates the whole surface, the light distribution curves of the LED are overlapping
- quick installation, maintenance and conversion thanks to tool-free opening of the light fitting and tool-free replacement of the electrical components (LED module and ECG unit)
- BlackEdition, ULOR=0% (Modifications with accessories influence the light distribution)
- versions dimmable to 10% with luminous fluxes up to 2000 lm 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

- residential areas, residential and by-roads, traffic-calmed zones, walkways and cycle lanes etc.

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Technical data

General

EAN/GTIN:	4041254403861

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	9 W, 35 W
Luminaire luminous flux:	1320 lm, 5280 lm
Luminous efficacy:	147 lm/W, 151 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 70
Light colour:	740
Admissible ambient temperature T_a:	-35 °C to +25 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	B
Overvoltage protection:	10 kV
I LED max:	700 mA
Special features:	variable and almost stepless adjustable luminous flux (Attention: only min, max values listed above)

Lighting technology

Optical system:	Lens optics
Optical system material:	PMMA
Light distribution:	asymmetrical wide 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:	0 - 16 mm

Features/Certificates

Protection class:	II
IP rating:	IP54
IK rating:	IK05
Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Pole-top mounting
Operating position:	downwards radiation
Pole-top mounting:	Ø 76mm
Wind-exposed surface:	0.15 m²

Housing

Housing material:	Aluminium
Varnished:	Yes
Colour:	grey, RAL 7035

Cover

Cover type / material:	Cone (PMMA)
Cover characteristic:	clear
Protective cover:	Roof (polyester)

Other features

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

Dimension/Weight

Width / Diameter:	650.00 mm
Height:	589.00 mm
Net weight:	7.20 kg

RETRO
543 L50 G2 VARIO
[Item no. : 54301 0005]

Optional accessories / spare parts

Item no.	Item name	Item description
10043 9000	ABD 543 G2 PMMA	spare cover PMMA clear
10041 9001	ABDP 54./55. C PMMA	cover for glare limitation
90113 0025	HA 08/L25 WH SCR	Shielding on the house side, plastic (PC), white with screw fastening, for item name 08... and L25...
90113 0032	HA 08/L25 WH BC	Shielding on the house side, plastic (PC), with mounting clip, for item name 08... and L25...
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...
90549 0001	ESSB HSM	Inrush current limiter for top-hat rail mounting
90116 9004	RS 54./55. G2	ring mirror aluminium
90044 0001	RZ 1 GY	reducer ø76 -> 60mm
90126 0001	RZ 1 BK	reducer ø76 -> 60mm
90127 9000	DACH 542/43/53 AL RAL7035	roof aluminium (for types with separate cover nut)
90128 9001	DACH 542/43/53 POL M10	roof polyester (for types with integrated cover nut)
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
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

RETRO
543 L50 G2 VARIO
[Item no. : 54301 0005]

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