

LED outdoor light fitting

FILOS

42 L50 VARIO M

[Item no. : 42002 0001]

General product description

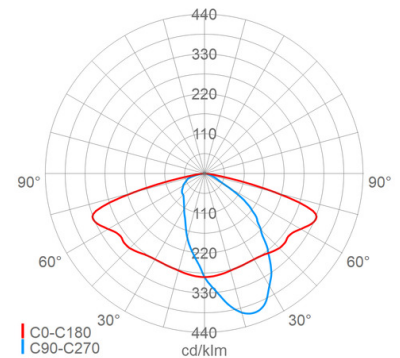
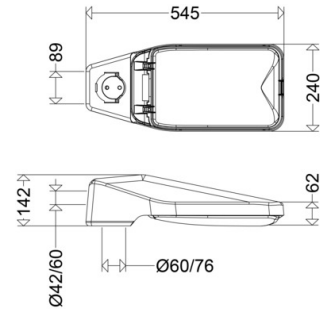
LED outdoor light fitting FILOS VARIO with variably adjustable luminous flux. Glass fibre reinforced polyester housing, clear PMMA cover, UV-stabilised, stainless steel central locking clip. Aluminium gear tray with ECG, LED modules, optics and switch for setting the luminous flux, clipped into the cover (sandwich design), hinged and detachable, isolating plug connection and strain relief. Zhaga Highpower LED modules with highly efficient optics, direct beam, Multi-Layer Technology. ECG with high surge protection, overload and short circuit protection. Universal die-cast aluminium pole mounting system for pole-top \varnothing 60/76mm (inclination angle 10°) and side-entry mounting \varnothing 42/60mm.

General product benefits

- reduction of type diversity, a single luminaire replaces conventional luminaires
- simple, fast and toolless setting of the luminous flux on-site by means of integrated switch, adjustable at any time
- high flexibility due to almost infinitely variable luminous flux setting
- highly economical stocking
- protection of the LED against mechanical and electrostatic damage due to sandwich design of cover and gear tray
- 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
- quick and easy mounting due to toolless opening of the luminaire by means of a central toggle clamp lever, hinged and detachable gear tray as well as integrated universal pole mounting system, no additional mounting adapters required
- more than 50% weight reduction compared to luminaires with die-cast aluminium housing
- quick changeover due to easily replaceable gear tray with isolating plug connection
- eco-friendly, light emission into the upper half-space $< 1\%$
- future proof by using standardised Zhaga LED modules

Applications

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



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Technical data**Key technical data**

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by skilled person
Connected load:	9 W, 35 W
Luminaire luminous flux:	1210 lm, 5350 lm
Luminous efficacy:	134 lm/W, 153 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 80
Light colour:	840
Admissible ambient temperature Ta:	-40 °C to +45 °C
Control gear:	1 x ECG, Overload protection , Short circuit protection
Overvoltage protection:	10 kV
Special features:	Connected load, luminaire luminous flux: only min/max values listed above

Lighting technology

Optical system:	Lens optics
Light distribution:	asymmetrical wide beam
Photobiological safety:	RG1

Service life

Service life LED:	L80>100000 h (@ Ta max)
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Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Plug, 3-polig, 0.75 - 2.5 mm ²
Max. no. (with CB B16):	28
CB B10/B13/B20/B25:	17/22/35/43
CB C10/C13/C16/C20/C25:	29/37/47/58/72

Housing

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

Cover

Cover type/material:	Diffuser (PC)
Cover characteristic:	clear
Closure:	Clips (Stainless steel (1.4310))

Mounting

Mounting method (accessories possibly needed):	Side-entry, Pole-top
Operating position:	downwards radiation
Side-entry mounting:	Ø 42/60mm x 100mm
Pole-top mounting:	Ø 60/76mm
Inclination angle side-entry:	0 °, -5 °, -10 °, -15 °
Wind-exposed surface:	0.06 m ²

Features/Certificates

Protection class:	I
IP rating:	IP66
IK rating:	IK10
Approval marks:	CE , VDE , ENEC
Energy efficiency class:	C

Dimension/Weight

Length:	545.00 mm
Width/Diameter:	240.00 mm
Height:	142.00 mm
Net weight:	4.00 kg
EAN/GTIN:	4041254326290

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Optional accessories/spare parts

Item no.	Item name	Item description
42001 9003	42 PC UV	spare cover PC
48600 0001	4860	pole arm bracket cast aluminium $\varnothing=42\text{mm}$, L=100mm
48600 0002	4861	pole arm bracket cast aluminium $\varnothing=60\text{mm}$, L=100mm
48600 0003	4862	pole arm bracket cast aluminium $\varnothing=42\text{mm}$, L=250mm
48600 0004	4863	pole arm bracket cast aluminium $\varnothing=42\text{mm}$, L=400mm
48600 0005	4864	pole arm bracket cast aluminium $\varnothing=60\text{mm}$, L=250mm
48700 0001	4870	pole arm bracket welded aluminium $\varnothing=42\text{mm}$, L=100mm
48700 0503	4870 DB703	pole arm bracket welded aluminium $\varnothing=42\text{mm}$, L=100mm, varnished DB703
48700 0002	4871	pole arm bracket welded aluminium $\varnothing=60\text{mm}$, L=100mm
48700 0504	4871 DB703	pole arm bracket welded aluminium $\varnothing=60\text{mm}$, L=100mm, varnished DB703
60099 0001	600/1	pole-top bracket for 1 light fitting $\varnothing=42\text{mm}$ (side-entry mounting)
60099 0002	600/2	pole-top bracket for 2 light fittings (180°) $\varnothing=42\text{mm}$ (side-entry mounting)
60099 0003	600/3	pole-top bracket for 3 light fittings (120°) $\varnothing=42\text{mm}$ (side-entry mounting)
60099 0004	600/4	pole-top bracket for 4 light fittings (90°) $\varnothing=42\text{mm}$ (side-entry mounting)
60199 0001	601/1	pole-top bracket for 1 light fitting $\varnothing=60\text{mm}$ (side-entry mounting)
60199 0002	601/2	pole-top bracket for 2 light fittings (180°) $\varnothing=60\text{mm}$ (side-entry mounting)
60199 0003	601/3	pole-top bracket for 3 light fittings (120°) $\varnothing=60\text{mm}$ (side-entry mounting)
60199 0004	601/4	pole-top bracket for 4 light fittings (90°) $\varnothing=60\text{mm}$ (side-entry mounting)
60399 0001	603	reducing adapter 60/42mm, L=360mm
60699 0001	606	reducing adapter 48/42mm, L=400mm
60799 0001	607	reducing adapter 60/42mm, L=230mm
90113 0002	HA 08	Shielding on the house side , plastic (PC) for item name 08..
90113 0003	HA 16	Shielding on the house side , plastic (PC) for item name 16..