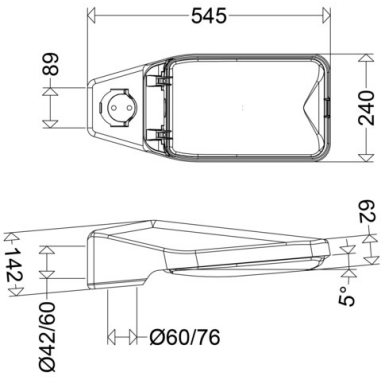
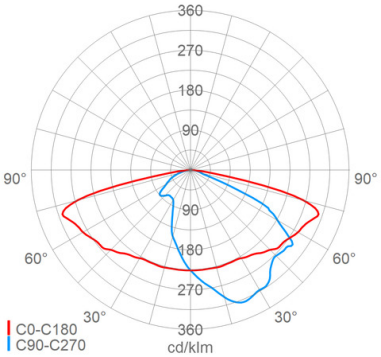
LED outdoor light fitting

FILOS
42AL L50 VARIO
[Item no. : 42003 0001]







General product description

LED outdoor light fitting FILOS VARIO with variably adjustable luminous flux. Powder-coated die-cast aluminium housing, clear PC 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. Tool-free removable insert with isolating plug connection, strain relief and breathable filter. 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 pole-top Ø 60/76mm (inclination angle 10°) and side-entry mounting Ø 42/60mm with adjustable inclination.

General product benefits

- reduction of type diversity, a single luminaire replaces various conventional luminaires
- 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
- Integrated pressure equalisation system for defined ‘breathing’ prevents condensation from forming inside the luminaire.
- protection of the LED against mechanical and electrostatic damage due to sandwich design of cover and gear tray
- quick and easy mounting due to toolless opening of the luminaire by means of a central toggle clamp lever, hinged and detachable gear tray, removable multi-function cable entry for pre-assembly of the connection cable outside the light fitting, as well as integrated universal pole mounting system, no additional mounting adapters required
- quick changeover due to easily replaceable gear tray with isolating plug connection
- ULOR=0%
- interchangeable components
- 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

General

EAN/GTIN:	4041254330631

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	9 W, 33 W
Luminaire luminous flux:	1290 lm, 5500 lm
Luminous efficacy:	143 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
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:	27
CB B10/B13/B20:	18/22/34
CB C10/C13/C16/C20:	28/36/45/56

Features/Certificates

Protection class:	II
IP rating:	IP66
IK rating:	IK10

Features/Certificates

Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Side-entry mounting, Pole-top mounting
Operating position:	downwards radiation
Side-entry mounting:	Ø 60mm x 100mm, Ø 42mm x 100mm
Pole-top mounting:	Ø 60/76mm
Inclination side-entry:	0 °, -5 °, -10 °, -15 °
Inclination pole-top:	5 °
Wind-exposed surface:	0.12 m²

Housing

Housing material:	Die-cast aluminium
Varnished:	Yes
Colour:	grey, DB 702

Cover

Cover type / material:	Diffuser (PC)
Cover characteristic:	clear
Closure:	central locking system (Stainless steel (1.4310))

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

Dimension/Weight

Length:	545.00 mm
Width / Diameter:	240.00 mm
Height:	142.00 mm
Net weight:	4.90 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
42001 9003	ABD 42 PC	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...
90549 0001	ESSB HSM	Inrush current limiter for top-hat rail mounting
42001 0003	EBLA 42 L50 VARIO	Electrical unit with cover including LED module, optics and control gear
42001 0004	EBLA 42 L50 VARIO 730	Electrical unit with cover including LED module, optics and control gear
42001 0005	EBLA 42 L50 VARIO 722	Electrical unit with cover including LED module, optics and control gear
42001 0006	EBLA 42 L50 VARIO 518	Electrical unit with cover including LED module, optics and control gear
42001 0009	EBLA 42 L100 VARIO	Electrical unit with cover including LED module, optics and control gear
42001 0010	EBLA 42 L100 VARIO 730	Electrical unit with cover including LED module, optics and control gear
42001 0011	EBLA 42 L100 VARIO 722	Electrical unit with cover including LED module, optics and control gear
42001 0012	EBLA 42 L100 VARIO 518	Electrical unit with cover including LED module, optics and control gear
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
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