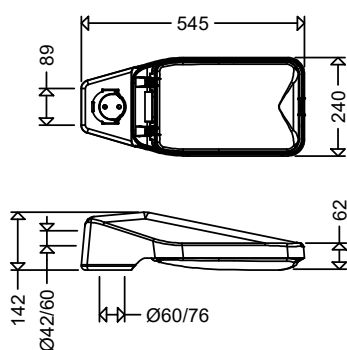




Polyester housing



FILOS

LED Outdoor Light Fitting

with variable setting of the luminous flux

Series 42... VARIO M

Applications:

Residential-, through traffic streets, footpaths and cycle tracks, traffic-calmed areas, factory streets, car parks, gateways etc.

Design :

Housing: Glass fibre reinforced polyester resin, unpainted, or painting DB703 (mica-iron).

Diffuser: UV-stabilized PC, clear, hingeable and detachable.

Gear tray: Aluminium, with LED modul, optics and all electrical components in compact unit protected against acciden-

tal contact, isolating plug connection and cable retainer.

Switch for setting the luminous flux of the luminaire.

Central closing: Stainless steel.

Light distribution: Asymmetrical wide beam.

Mounting system: Die-cast aluminium, universal on pole end Ø of 60/76mm or for pole outreaches Ø of 42/60 x 100mm. Side entry mounting 0°, -5°, -10° and -15° depending on inclination of the cantilever.

Electrical design:

LED module: Midpower-LED, Zhaga compliant, 4,000K, $R_g > 80$, lifetime $L_{80} > 100,000$ h

ECG: 220-240V, 50-60Hz, Surge voltage resistance 10kV, overload and short circuit protection.

Light control:

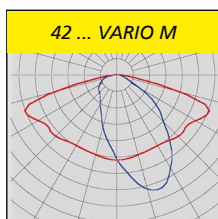
On request, the luminaires are also available with the following configurations:

Output reduction with control phase (LR): For reducing the luminous flux to 50% at times of low traffic density. Control phase (LST) required. Switching via control phase (LST = 230V: 100%; LST = 0V: 50%). Alternative dimming levels possible.

Output reduction without control phase (LA): Autarkic dimming. Reduced operation 50% between 22:00 and 4:00h CET or 23:00 and 5:00h CEST, also available with deviating times and with alternative dimming steps.

Digital dimming with DALI interface (DIMD)

Constant luminous flux function (CL): Luminous flux is kept on a constant level over the entire lifetime of the LED-modules.



Options:

- 3,000K, light colour **830** (3% lower luminous flux)
- 2,200K, light colour **822** (17% lower luminous flux)
- protection class II (SKII)
- asymmetrical beam (A), plane surface floodlight-optics
- optics for cycle track (RWX)
- seawater resistant version (SWP)
- UV-protected and weather-resistant housing painted RAL 7035
- additional overvoltage protection (OP)
- Die-cast aluminium housing

Product highlights:

- one type replace several conventional lights and thus reduce the variety of types
- simple, fast, tool-free setting of the luminous flux on site, by means of integrated switch, can be changed at any time
- highly economical storage due to standardisation
- ECG with high over-voltage protection reliable due to overload and short circuit protection
- protection of the LEDs against mechanical and electrostatic discharge due to sandwich-design of gear tray and cover
- homogeneous illumination due to the Multi-Layer technology i.e. every individual LED illuminates the whole surface, the light curves of the individual LEDs are overlapping. No dark zones in the road if any single LED would fail and the uniformity of the illumination is kept.
- Quick an easy mounting due to
 - tool-free opening of the luminaire by means of a central toggle clamp made of stainless steel
 - gear tray hingeable and detachable
 - removable multi-function cable entry enables pre-assembly of the connection cable
 - integrated universal pole mounting system (side entry mounting Ø 42/60mm or post top mounting Ø 60/76mm), no additional flanges or adapter pieces required
- more than 50% weight reduction compared to luminaires with die-cast aluminium housing
- quick changeover due to easily replaceable gear-tray with disconnecter
- eco-friendly, light emission into the upper half-space < 1%
- sustainable, components interchangeable
- future proof by using standardized LED-modules (Zhaga)

Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

