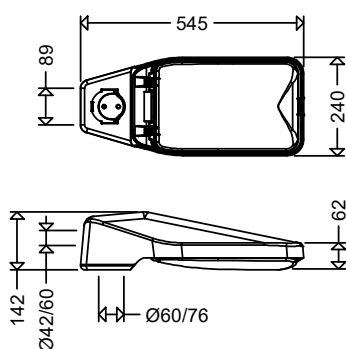




Die-cast aluminum housing!



FILOS LED Outdoor Light Fitting with variable setting of the luminous flux Series 42AL... VARIO

Applications:

Residential-, side roads und through traffic streets, footpaths and cycle tracks, traffic-calmed areas, factory streets in industrial plants, car parks, gateways etc..

Design :

Housing: Die-cast aluminium, DB 702.

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

Gear tray: Aluminium, with LED modul, optics and all electrical components in compact unit protected against accidental 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: Highpower-LED, Zhaga compliant, 4,000K, $R_a > 70$, lifetime $L_{90} > 100,000h$

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.

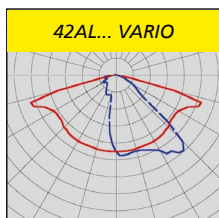
Output reduction without control phase (LA): Autarkic dimming. Reduced operation 50% between 22:00 and 4:00h CET or 23:00 and 5:00h CEST, also available with deviating times and with alternative dimming steps.

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 730 (8% lower light output)
- 2,200K, light colour 722 (20% lower luminous flux)
- 1,800K, light colour 518 „Amber“ (38% lower light output)
- protection class I (SKI)
- asymmetrical beam (A), plane surface floodlight-optics
- optics asymmetrical extremely wide beam (ABX)
- optics for cycle track (RWX)
- seawater resistant version (SWP)
- additional overvoltage protection (OP)
- Ready for Light Management Systems (RFL)
- Glass fibre reinforced polyester housing
- special painting in RAL colours (SL)



Product highlights:

- one types 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
- integrated pressure compensation system prevents condensation in the interior
- 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
- 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.

Article No.	Type	Power consumption [W]	Luminous flux [lm] ¹⁾	Luminous efficacy [lm/W]	Substitute for ca. *	Weight [kg] (without packing material)
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42AL... VARIO



The luminous flux is variably adjustable. The Power consumption will change depending on the setting of the luminous flux. In the table, you will find examples of settings with reference to the most common conventional versions. Intermediate values are also possible. Setting table on request.

42003 0001	42AL L50 VARIO	9	1.180	131	HME 50, HST 35	4,9
		15	2.350	157	HME 80, HST 50	
		18	2.910 ²⁾	162	HME 125, HST 70	
		35	5.000	143	2 x HST 70	

1) Examples of possible settings
2) Factory setting

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

Also available with output reduction (LR / LA) or constant luminous flux function (CL) as well as combinations of these functions (CL LR / CL LA).



Accessories / Spare Parts

Article no.	Type	
42001 9003	42000 PC	spare glass PC, UV stabilized, clear
90113 0003	HA 16	backside light shielding for 42AL L50

Pipe brackets for wall, pole and corner mounting, and post top brackets please see end of this chapter.