





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.

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 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 \emptyset of 60/76mm or for pole outreaches \emptyset 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_a > 80, lifetime L₈₀ > 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:

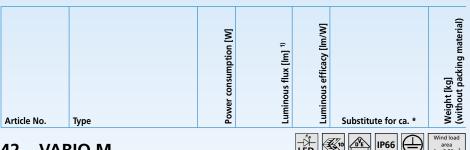


- 3,000K, light colour **830** (3% lower luminous flux)
- 2,200K, light colour 822 (17% lower luminous flux)
- protection class II (SKII)
- asymmetrical beam (A), plane surface floodlight-optics
- optics for cycle track (RWX)
- seawater resistant version (SWP)
- UV-protected and weather-resistant housing 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
- 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 replacable gear-tray with disconnector
- eco-friendly, light emission into the upper half-space < 1%
- sustainable, components interchangeable
- future proof by using standardized LED-modules (Zhaga)

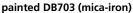




42... **VARIO M**

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.

42002 0001	42 L50 VARIO M	9	1.210	134	HME 50, HST 35	4,0
		15	2.430	162	HME 80, HST 50	
		18	3.010 ²⁾	167	HME 125, HST 70	
		35	5.350	153	2 x HST 70	
42002 0027	42 L80 VARIO M 3)	16	2.470	154	HME 80, HST 50	4,1
		20	3.290	165	HME 125, HST 70	
		38	6.500	171	2 x HST 70	
		50	7.970 ²⁾	159	HME 250	



42002 0501	42 L50 VARIO M DB703	9	1.210	134	HME 50, HST 35	4,0
		15	2.430	162	HME 80, HST 50	
		18	3.010 ²⁾	167	HME 125, HST 70	
		35	5.350	153	2 x HST 70	
42002 0030	42 L80 VARIO M DB703 3)	16	2.470	154	HME 80, HST 50	4,1
		20	3.290	165	HME 125, HST 70	
		38	6.500	171	2 x HST 70	
		50	7.970 ²⁾	159	HME 250	
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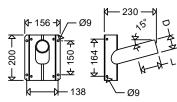
- 1) Examples of possible settings
- 2) Factory setting3) VDE/ENEC in preparation

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).

painted DB703 (mica-iron)

4870/71



Welded Aluminium Standard Pole Arm Carrier Series 4870 / 4871

Applications:

For mounting outdoor light fittings on flat walls and corners of buildings.

Design:

Aluminium plate 4 mm thick, powder coated grey (RAL

7035) or mica-iron (DB703), with eight fixing holes \varnothing 9mm and pole arm Ø 42mm (100mm long) or Ø 60mm (100mm long).

Options:

Special painting in RAL colours (SL)

4870 / 4871

Article no.	Туре	D	L	Weight ca. [kg]
48700 0001	4870	42	100	0,6
48700 0503	4870 DB703	42	100	0,6
48700 0002	4871	60	100	0,7
48700 0504	4871 DB703	60	100	0,7

Accessories / Spare Parts

Article no.	Туре	
42001 9003	42000 PC	spare glass PC, UV stabilized, clear

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

