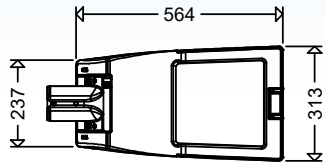


VIA
LED Outdoor Light Fitting
Series 51... / 52...

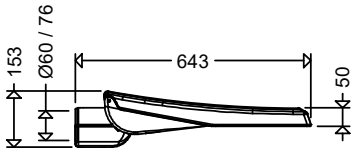
Applications:
Residential streets, by-roads, traffic-calmed zones, parks, walkways and cycle tracks, pedestrian zones, parks, green spaces, gateways, main streets, roundabouts, factory streets in industrial plants, car parks etc.

Design:
Housing: Die-cast aluminium, powder coated in DB 702, hinged with lockable safety clip. LED module and ECG mounted on support plates in upper part of housing, exchangeable without tools, disconnectable plug connection. Cable entry with screw connection, strain relief and pressure compensation system in lower part of housing, silicone seal.
Glass cover: Flat safety glass, impact resistance IK09.
Light distribution: Lens optics, asymmetrical wide beam
Central locking: Aluminium
Connection terminal: With disconnect plug connection and strain relief.
Universal-Pole mounting device: Die-cast aluminium, or mast top Ø 60/76 mm for pole-top or pole-mounted installation, pre-assembled for pole-top installation with 0° inclination. Separate reducing accessories are required for mast top Ø 42 mm.
Inclination setting: For pole-top installation 0°, 5°, 10° and 15° (factory setting 0°), for pole-mounting installation 0°, -5°, -10° and -15° depending on the inclination of the bracket arm, scaling on luminaire housing.

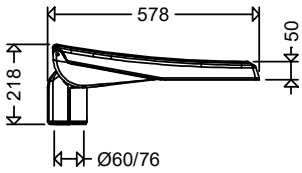
51...



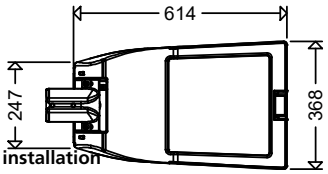
Pole-top installation



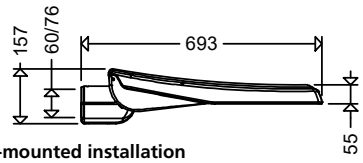
Pole-mounted installation



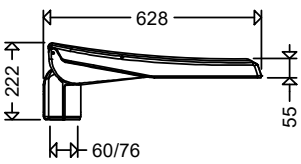
52...

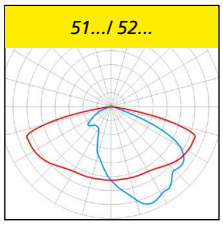


Pole-top installation



Pole-mounted installation





Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

Options:
- 2,200 K; light colour (**722**)
- 1,800 K; light colour (**518**)
- asymmetrical beam (**A**)
- asymmetrical extremely wide beam (**RWX**), for illuminating cycle paths
- asymmetrical wide beam, low glare (**ABL**)
- special painting in RAL colours
- protection class I (**SKI**)
- seawater-resistant version
- bird deterrence
- for connection to a central power supply system (**ZB**)
- variable adjustable luminous flux via app (**NFC**)
- dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
- power reduction with control phase (**LR**)
- power reduction without control phase (**LA**)
- constant luminous flux function (**CL**)
- EcoTune
- additional overvoltage protection
- with backside light shielding (**HA**)
- inrush current limiter

Product highlights:
- **durable, corrosion-resistant die-cast aluminium housing** with flat surface without cooling fins
- **excellent thermal management,** long service life
- **integrated pressure equalisation system** prevents condensation in the interior
- **can be opened without tools** (central locking)
- pre-assembled **universal pole attachment** for pole top Ø 60/76 mm for pole attachment or pole top mounting
- **tool-free** replacement of ECG and LED module
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- no light emission into the upper half-space, **ULOR=0**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts

SCHUCH outdoor luminaires in ZB design meet all relevant requirements for emergency luminaires for illuminating escape routes and assembly points **(DIN EN 1838 / DIN EN 50172 VDE 0108-100:2024-10 / EN 60598 Part 2-22)**. The luminous flux in emergency mode can be selected between 10-100 %. Programming is carried out at the factory.

EcoTune luminaires from SCHUCH adapt flexibly to changing situations, taking into account safety, residents' interests and ecological aspects of night-time lighting. The luminaires combine either two light colours or optics: With light colours (e.g. 4,000 K and 2,200 K), the light can be changed from neutral white in the morning to warm white in the evening and optionally controlled via motion sensors, while the combination of two optics with different light distributions reduces glare on wet roads.
Further information on EcoTune can be found in our outdoor luminaires catalogue.

! 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.

All light fittings also available with connected cable (see accessories in the data sheet).







51... / 52...

IP66 | Wind load area A = 0,05m²

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
colour temperature 4.000K (light colour 740)					
51000 0001	**51 0801**	9	1.490	166	8,0
51000 0002	**51 0802**	13	2.080	160	8,0
51000 0003	**51 0803**	18	2.810	156	8,0
51000 0004	**51 1601**	17	2.900	171	8,0
51000 0005	**51 1602**	25	4.050	162	8,0
51000 0006	**51 1603**	35	5.480	157	8,0
51000 0007	**51 2401**	26	4.470	172	8,1
51000 0008	**51 2402**	37	6.200	168	8,1
51000 0009	**51 2403**	53	8.340	157	8,4
51000 0010	**51 3201**	34	5.890	173	8,5
51000 0011	**51 3202**	50	8.170	163	8,5
51000 0012	**51 3203**	70	10.950	156	8,5
51000 0053	**51 4801**	52	8.770	169	8,6
51000 0054	**51 4802**	75	12.150	162	8,6
51000 0055	**51 4803**	106	16.270	153	8,6
52000 0004	**52 4801**	52	9.060	174	10,7
52000 0005	**52 4802**	75	12.550	167	10,7
52000 0006	**52 4803**	106	16.730	158	10,7
52000 0007	**52 6401**	69	11.930	173	10,8
52000 0008	**52 6402**	99	16.490	167	10,8
52000 0009	**52 6403**	140	21.980	157	10,8
52000 0010	**52 8001**	86	14.530	169	11,0
52000 0011	**52 8002**	124	20.000	161	11,0
52000 0012	**52 8003**	175	26.520	152	11,0
colour temperature 3.000K (light colour 730)					
51000 0037	**51 0801 730**	9	1.420	158	8,0
51000 0038	**51 0802 730**	13	1.980	152	8,0
51000 0039	**51 0803 730**	18	2.670	148	8,0
51000 0040	**51 1601 730**	17	2.760	162	8,0
51000 0041	**51 1602 730**	25	3.850	154	8,0
51000 0042	**51 1603 730**	35	5.210	149	8,0
51000 0043	**51 2401 730**	26	4.250	163	8,1
51000 0044	**51 2402 730**	37	5.890	159	8,1
51000 0045	**51 2403 730**	53	7.920	149	8,4
51000 0046	**51 3201 730**	34	5.600	165	8,5
51000 0047	**51 3202 730**	50	7.760	155	8,5
51000 0048	**51 3203 730**	70	10.400	149	8,5
51000 0056	**51 4801 730**	52	8.330	160	8,6
51000 0057	**51 4802 730**	75	11.540	154	8,6
51000 0058	**51 4803 730**	106	15.460	146	8,6
52000 0016	**52 4801 730**	52	8.610	166	10,7
52000 0017	**52 4802 730**	75	11.920	159	10,7
52000 0018	**52 4803 730**	106	15.890	150	10,7
52000 0019	**52 6401 730**	69	11.330	164	10,8
52000 0020	**52 6402 730**	99	15.670	158	10,8
52000 0021	**52 6403 730**	140	20.880	149	10,8
52000 0022	**52 8001 730**	86	13.800	160	11,0
52000 0023	**52 8002 730**	124	19.000	153	11,0
52000 0024	**52 8003 730**	175	25.190	144	11,0

All light fittings also available with connected cable (see accessories in the data sheet).

51... / 52... VARIO

IP66 | Wind load area A = 0,05m²

Design:

Same as type 51... / 52... but: With an integrated DIP switch for for variable adjustment of the luminous flux in the luminaire.

Product highlights of the VARIO version:

- simple, fast, tool-free setting of the luminous flux on site, by means of integrated switch, can be changed at any time
- reduction in the variety of types

colour temperature 4.000K (light colour 740)

Article No.	Type	Connected load [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
51001 0001	**51 L50 VARIO**	9 - 35	1.330 - 5.480	172	HST 35 - 2 x HST 70	8,5
51001 0002	**51 L100 VARIO**	16 - 70	2.720 - 10.950	175	HST 50 - HSE 150	8,6
51001 0003	**51 L150 VARIO**	24 - 106	4.050 - 16.270	169	2 x HME 80 - 2 x HME 250	8,6
52001 0002	**52 L150 VARIO**	24 - 106	4.190 - 16.730	175	2 x HME 80 - 2 x HME 250	10,7
52001 0003	**52 L210 VARIO**	32 - 140	5.520 - 21.980	173	2 x HST 70 - HME 400	10,8
52001 0004	**52 L250 VARIO**	37 - 175	6.750 - 26.520	182	2 x HST 70 - HST 250	11,0

colour temperature 3.000K (light colour 730)

51001 0004	**51 L50 VARIO 730**	9 - 35	1.260 - 5.210	163	HST 35 - 2 x HST 70	8,5
51001 0005	**51 L100 VARIO 730**	16 - 70	2.580 - 10.400	167	HST 50 - HSE 150	8,6
51001 0006	**51 L150 VARIO 730**	24 - 106	3.850 - 15.460	160	2 x HME 80 - 2 x HME 250	8,6
52001 0006	**52 L150 VARIO 730**	24 - 106	3.980 - 15.890	166	2 x HME 80 - 2 x HME 250	10,7
52001 0007	**52 L210 VARIO 730**	32 - 140	5.240 - 20.880	164	2 x HST 70 - HME 400	10,8
52001 0008	**52 L250 VARIO 730**	37 - 175	6.410 - 25.190	173	2 x HST 70 - HST 250	11,0

Factory setting L50: 18 W; replaces approx. HME 125, HST 70
Factory setting L100: 54 W; replaces approx. HME 250
Factory setting L150: 106 W; replaces approx. 2 x HME 250
Factory setting L210: 140 W; replaces approx. HME 400
Factory setting L250: 175 W; replaces approx. HST 250

1) possible setting range

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



All light fittings also available with connected cable (see accessories in the data sheet).

Article no.	Type	Connected load W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)

RFL - Ready for Light Management Systems

Design:

Same as standard version, but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:

- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System components



51... / 52... RFL

IP66 | Wind load area A = 0,05m²

with a socket on the top and bottom side of the luminaire

colour temperature 4.000K (light colour 740)

51003 0009	**51 0803 RFLOU**	18	2.810	156	8,0
51003 0010	**51 1603 RFLOU**	35	5.480	157	8,0
51003 0011	**51 2403 RFLOU**	53	8.340	157	8,4
51003 0012	**51 3203 RFLOU**	70	10.950	156	8,5
51003 0040	**51 4803 RFLOU**	106	16.270	153	8,6
52003 0008	**52 4803 RFLOU**	106	16.730	158	10,7
52003 0009	**52 6403 RFLOU**	140	21.980	157	10,8
52003 0021	**52 8003 RFLOU**	175	26.520	152	11,0

colour temperature 3.000K (light colour 730)

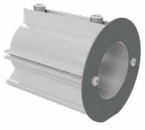
51003 0021	**51 0803 730 RFLOU**	18	2.670	148	8,0
51003 0022	**51 1603 730 RFLOU**	35	5.210	149	8,0
51003 0023	**51 2403 730 RFLOU**	53	7.920	149	8,4
51003 0024	**51 3203 730 RFLOU**	70	10.400	149	8,5
51003 0043	**51 4803 730 RFLOU**	106	15.460	146	8,6
52003 0017	**52 4803 RFLOU 730**	106	15.890	150	10,7
52003 0018	**52 6403 RFLOU 730**	140	20.880	149	10,8
52003 0024	**52 8003 RFLOU 730**	175	25.190	144	11,0

System accessories

Article No.	Type	
90546 9018	**RFL BM/DS IR12**	RFL motion sensor with light sensor, infrared (maximum light point height 12.0 m)
90546 9004	**RFL BM/DS IR8**	RFL motion sensor with light sensor, infrared (light point height max. 8.0 m)
90546 9000	**RFL DS20**	RFL control element with light sensor, standalone, 20 lx
90543 0001	**LASC DONGLE USB + SOFT + LIZ**	LIMAS Air SYNC USB dongle with software and licence
90546 9012	**RFL LASC BM RAD10 MA MK2**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with motion sensor, radar (mounting height max. 10.0 m) for mast mounting with 2.0 m cable
90546 9011	**RFL LASC BM RAD8**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with motion sensor, radar (max. light point height 8.0 m)
90546 9014	**RFL LASC DS**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor
90546 9010	**RFL LASC DS GPS SIM**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor, GPS antenna and eSIM

Other sensors, e.g. environmental sensors (fine dust, CO_2, weather station etc.) on request.

RZ 76/42 VIA



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

Accessories / Spare Parts

Article No.	Type	
51010 9000	**ABD 51 ESGW**	cover, pane safety glas clear, for 51...
52010 9000	**ABD 52 ESGW**	cover, pane safety glas clear, for 52...
90309 0001	**RZ 76/42 VIA**	adapter for mast top Ø 42 mm, black