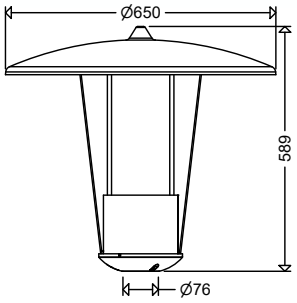


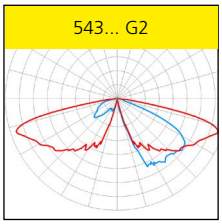
RETRO
LED Pole-Top Light Fitting
Series 543... G2

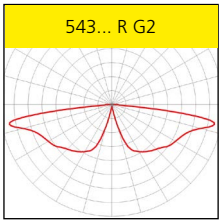
Applications:
Residential areas, residential and side streets, low traffic areas, footpaths and cycle tracks etc.

Design:
Roof: Glass fibre reinforced polyester resin with integrated insert nut (colour: similar to RAL 7035).
Supporting section: Aluminium powder coated light grey (RAL 7035).
Cover: PMMA, clear, conical
Electrical components: Wired ready for installation, disconnect plug-in connector to the mains connection terminal, cable retainer for connection cable, with LED module and ECG unit.
Light distribution: Asymmetrical wide beam or symmetrical circular beam (**R**).
Mounting system: 3 non-corrosive steel locking screws serve for fixation on straight poles Ø 76 mm. Adapter (**RZ 1**) for pole end Ø 60 mm (see accessories / spare parts).

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 extremely wide beam (**RWX**), for illuminating cycle paths
– special painting in RAL colours
– protection class I (**SKI**)
– seawater-resistant version
– for connection to a central power supply system (**ZB**)
– variable adjustable luminous flux via APP (**NFC**)
– Ready for Lightmanagement System (**RFL**), only possible without ring mirror accessories
– 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**)
– with backside light shielding (**HA**)
– Inclination adjustment of the LED unit, for illuminating wide roads

Product highlights:

- **quick installation** thanks to **tool-free opening** of the lumimaire
- **tool-free replacement of** ECG and LED module
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- **BlackEdition, ULOR=0 % (**Modifications with accessories influence the light distribution)
- versions dimmable to 10% with luminous fluxes up to 2,000 lm and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts



RFL

All RETRO luminaires are also available in an RFL version and are therefore, thanks to their Zhaga Book 18-compliant base with D4i control gear, prepared for the subsequent use of a Light Management System.

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).

543... G2

IP54 | Wind load area A = 0,15m²

asymmetrical wide beam

colour temperature 4.000K (light colour 740)

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)
54300 0001	**543 0801 G2**	9	1.430	159	7,0
54300 0002	**543 0802 G2**	13	2.000	154	7,0
54300 0003	**543 0803 G2**	18	2.690	149	7,0
54300 0004	**543 1601 G2**	17	2.850	168	7,1
54300 0005	**543 1602 G2**	25	3.950	158	7,1
54300 0006	**543 1603 G2**	35	5.280	151	7,1

colour temperature 3.000K (light colour 730)

54300 0013	**543 0801 G2 730**	9	1.360	151	7,0
54300 0014	**543 0802 G2 730**	13	1.900	146	7,0
54300 0015	**543 0803 G2 730**	18	2.560	142	7,0
54300 0016	**543 1601 G2 730**	17	2.710	159	7,1
54300 0017	**543 1602 G2 730**	25	3.750	150	7,1
54300 0018	**543 1603 G2 730**	35	5.020	143	7,1

symmetrical circular beam

colour temperature 4.000K (light colour 740)

54300 0007	**543 0801R G2**	9	1.430	159	7,0
54300 0008	**543 0802R G2**	13	2.000	154	7,0
54300 0009	**543 0803R G2**	18	2.690	149	7,0
54300 0010	**543 1601R G2**	17	2.850	168	7,1
54300 0011	**543 1602R G2**	25	3.950	158	7,1
54300 0012	**543 1603R G2**	35	5.280	151	7,1

colour temperature 3.000K (light colour 730)

54300 0019	**543 0801R G2 730**	9	1.360	151	7,0
54300 0020	**543 0802R G2 730**	13	1.900	146	7,0
54300 0021	**543 0803R G2 730**	18	2.560	142	7,0
54300 0022	**543 1601R G2 730**	17	2.710	159	7,1
54300 0023	**543 1602R G2 730**	25	3.750	150	7,1
54300 0024	**543 1603R G2 730**	35	5.020	143	7,1



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

All luminaires also available with luminous flux adjustment via app (**NFC version**).

Article No.	Type	Connected load [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packingmaterial)

543... G2 VARIO

IP54 | Wind load area A = 0,15m²

Design:
Same as type 543... G2 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**

asymmetrical wide beam

colour temperature 3.000K (light colour 730)

54301 0004	**543 L25 G2 VARIO**	5 - 18	660 - 2.690	144	HST 35 - HST 50	7,0
54301 0005	**543 L50 G2 VARIO**	9 - 35	1.320 - 5.280	156	HST 35 - 2 x HST 70	7,1

colour temperature 3.000K (light colour 730)

54301 0006	**543 L25 G2 VARIO 730**	5 - 18	630 - 2.560	136	HST 35 - HST 50	7,0
54301 0003	**543 L50 G2 VARIO 730**	9 - 35	1.250 - 5.020	147	HST 35 - 2 x HST 70	7,1

symmetrical circular beam

colour temperature 4.000K (light colour 740)

54301 0007	**543 L25R G2 VARIO**	5 - 18	660 - 2.690	144	HST 35 - HST 50	7,0
54301 0008	**543 L50R G2 VARIO**	9 - 35	1.320 - 5.280	156	HST 35 - 2 x HST 70	7,1

colour temperature 3.000K (light colour 730)

54301 0009	**543 L25R G2 VARIO 730**	5 - 18	630 - 2.560	136	HST 35 - HST 50	7,0
54301 0001	**543 L50R G2 VARIO 730**	9 - 35	1.250 - 5.020	147	HST 35 - 2 x HST 70	7,1

Factory setting L25: 18 W; replaces approx. HME 80, HST 50

Factory setting L50: 18 W; replaces approx. HME 125, HST 70

1) possible setting range

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



with ring mirror



with frosted board cover



with frosted board cover and ring mirror

Accessories / Spare Parts

Article no.	Type	
10043 9000	**ABD 543 G2 PMMA**	cover, conus PMMA clear, for 543...
10041 9001	**ABDP 54./55. C PMMA**	board cover, diffuser for glare limitation, diffuser PMMA satined, for 541, 543, 553, 556, 557, 558…
90128 9001	**DACH 542/43/53 POL M10**	spare roof, polyester, for light fittings with integrated cover nut
90127 9000	**DACH 542/43/53 AL RAL7035**	spare roof, aluminium, for light fittings with separate cover nut
90116 9004	**RS 54./55. G2**	ring mirror, aluminium for series 541, 543, 553, 556, 557, 558… (Design element)
90044 0001	**RZ 1 GY**	adapter for mast top Ø 60 mm