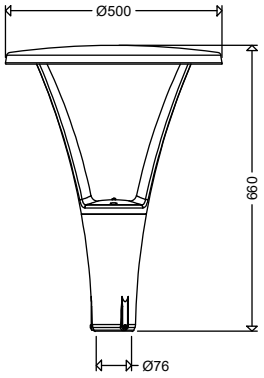
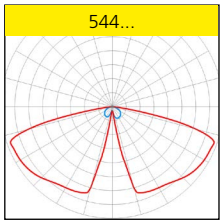


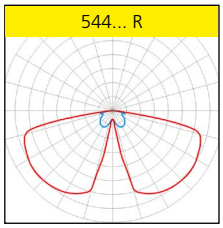
KONIC
LED Pole-Top Light Fitting
Series 544... G2

Applications:
544... AB:
Residential areas, residential and side streets, low traffic areas, footpaths and cycle tracks etc.
544... R:
Promenades, public parks, pedestrian areas etc.
Design:
Housing: Die-cast aluminium, threepart, powder coated DB 702.
Lower section with electrical components, cable entry, plug-type device and cable retainer for connection cable.
Connecting struts with cable feed-through.
Upper part with LED-modules and optics.
Cover: flat safety glass, impact resistance IK09
Light distribution: Asymmetrical wide beam or symmetrical circular beam (**R**).
Mounting system: 3 non-corrossive steel locking screws serve for fixation on straight pole end 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**)
– 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**)



Product highlights:

- **long-lasting, corrosion resistant aluminium housing** with plain surface
- **excellent thermal management,** long service lifen
- **easy to install, to maintain and to retrofit**
  – **removable upper part of the housing allows time- and cost-saving mounting**, mains connection terminal within the supporting section
  – **fast maintenance due to an easily interchangeable gear-tray system (modular concept) within the supporting section**, ECG can be replaced on-site
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- **BlackEdition, ULOR=0 %**
- 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

! 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).

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)

544... G2

IP65 | Wind load area A = 0,07m²

asymmetrical wide beam

colour temperature 4.000K (light colour 740)

54404 0001	**544 0801 G2**	9	1.410	157	9,5
54404 0002	**544 0802 G2**	13	1.970	152	9,5
54404 0003	**544 0803 G2**	18	2.680	149	9,5
54404 0004	**544 1601 G2**	17	2.730	161	9,6
54404 0005	**544 1602 G2**	25	3.820	153	9,6
54404 0006	**544 1603 G2**	35	5.180	148	9,6
54404 0007	**544 2401 G2**	26	4.110	158	9,7
54404 0008	**544 2402 G2**	37	5.730	155	9,7
54404 0009	**544 2403 G2**	53	7.750	146	9,7

colour temperature 3.000K (light colour 730)

54404 0010	**544 0801 G2 730**	9	1.340	149	9,5
54404 0011	**544 0802 G2 730**	13	1.870	144	9,5
54404 0012	**544 0803 G2 730**	18	2.550	142	9,5
54404 0013	**544 1601 G2 730**	17	2.590	152	9,6
54404 0014	**544 1602 G2 730**	25	3.630	145	9,6
54404 0015	**544 1603 G2 730**	35	4.920	141	9,6
54404 0016	**544 2401 G2 730**	26	3.900	150	9,7
54404 0017	**544 2402 G2 730**	37	5.440	147	9,7
54404 0018	**544 2403 G2 730**	53	7.360	139	9,7

544... R G2

IP65 | Wind load area A = 0,07m²

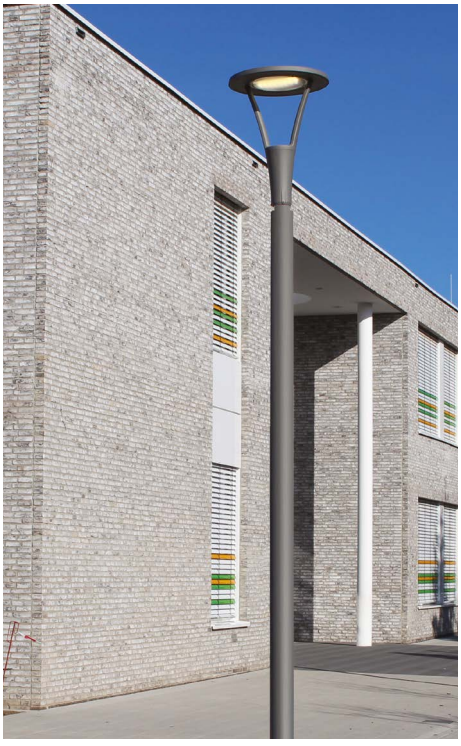
symmetrical circular beam

colour temperature 4.000K (light colour 740)

54404 0019	**544 0801R G2**	9	1.410	157	9,5
54404 0020	**544 0802R G2**	13	1.970	152	9,5
54404 0021	**544 0803R G2**	18	2.680	149	9,5
54404 0022	**544 1601R G2**	17	2.730	161	9,6
54404 0023	**544 1602R G2**	25	3.820	153	9,6
54404 0024	**544 1603R G2**	35	5.180	148	9,6
54404 0025	**544 2401R G2**	26	4.110	158	9,7
54404 0026	**544 2402R G2**	37	5.730	155	9,7
54404 0027	**544 2403R G2**	53	7.750	146	9,7

colour temperature 3.000K (light colour 730)

54404 0028	**544 0801R G2 730**	9	1.340	149	9,5
54404 0029	**544 0802R G2 730**	13	1.870	144	9,5
54404 0030	**544 0803R G2 730**	18	2.550	142	9,5
54404 0031	**544 1601R G2 730**	17	2.590	152	9,6
54404 0032	**544 1602R G2 730**	25	3.630	145	9,6
54404 0033	**544 1603R G2 730**	35	4.920	141	9,6
54404 0034	**544 2401R G2 730**	26	3.900	150	9,7
54404 0035	**544 2402R G2 730**	37	5.440	147	9,7
54404 0036	**544 2403R G2 730**	53	7.360	139	9,7



! 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 packing material)

544... G2 VARIO

IP65 | Wind load area A = 0,07m²

Design:
Same as type 544... 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)

54405 0001	**544 L25 G2 VARIO**	5 - 18	640 - 2.680	157	HST 35 - HST 50	9,5
54405 0002	**544 L50 G2 VARIO**	9 - 35	1.250 - 5.180	162	HST 35 - 2 x HST 70	9,6
54405 0003	**544 L100 G2 VARIO**	16 - 70	2.460 - 10.080	160	HST 50 - HSE 150	9,8

colour temperature 3.000K (light colour 730)

54405 0004	**544 L25 G2 VARIO 730**	5 - 18	610 - 2.550	149	HST 35 - HST 50	9,5
54405 0005	**544 L50 G2 VARIO 730**	9 - 35	1.190 - 4.920	154	HST 35 - 2 x HST 70	9,6
54405 0006	**544 L100 G2 VARIO 730**	16 - 70	2.340 - 9.580	152	HST 50 - HSE 150	9,8

symmetrical circular beam

colour temperature 4.000K (light colour 740)

54405 0007	**544 L25R G2 VARIO**	5 - 18	640 - 2.680	157	HST 35 - HST 50	9,5
54405 0008	**544 L50R G2 VARIO**	9 - 35	1.250 - 5.180	162	HST 35 - 2 x HST 70	9,6
54405 0009	**544 L100R G2 VARIO**	16 - 70	2.460 - 10.080	160	HST 50 - HSE 150	9,8

colour temperature 3.000K (light colour 730)

54405 0010	**544 L25R G2 VARIO 730**	5 - 18	610 - 2.550	149	HST 35 - HST 50	9,5
54405 0011	**544 L50R G2 VARIO 730**	9 - 35	1.190 - 4.920	154	HST 35 - 2 x HST 70	9,6
54405 0012	**544 L100R G2 VARIO 730**	16 - 70	2.340 - 9.580	152	HST 50 - HSE 150	9,8

Factory setting L25: 18 W; replaces approx. HME 80, HST 50
Factory setting L50: 18 W; replaces approx. HME 125, HST 70
Factory setting L100: 54 W; replaces approx. HME 250

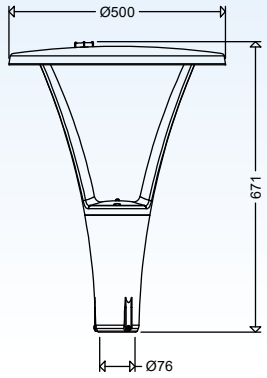
1) possible setting range

* 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 packingmaterial)

RFL - Ready for Light Management Systems

Design:

Same as standard version **544... G2** 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

544... G2 RFL

IP65 | Wind load area A = 0,07m²

with a socket on the top side of the luminaire

asymmetrical wide beam

colour temperature 4.000K (light colour 740)

54406 0001	**544 0803 G2 RFLO**	18	2.680	149	9,5
54406 0002	**544 1603 G2 RFLO**	35	5.180	148	9,6
54406 0003	**544 2403 G2 RFLO**	53	7.750	146	9,7

colour temperature 3.000K (light colour 730)

54406 0004	**544 0803 G2 730 RFLO**	18	2.550	142	9,5
54406 0005	**544 1603 G2 730 RFLO**	35	4.920	141	9,6
54406 0006	**544 2403 G2 730 RFLO**	53	7.360	139	9,7

544... R G2 RFL

IP65 | Wind load area A = 0,07m²

with a socket on the top side of the luminaire

symmetrical circular beam

colour temperature 4.000K (light colour 740)

54406 0007	**544 0803R G2 RFLO**	18	2.680	149	9,5
54406 0008	**544 1603R G2 RFLO**	35	5.180	148	9,6
54406 0009	**544 2403R G2 RFLO**	53	7.750	146	9,7

colour temperature 3.000K (light colour 730)

54406 0010	**544 0803R G2 730 RFLO**	18	2.550	142	9,5
54406 0011	**544 1603R G2 730 RFLO**	35	4.920	141	9,6
54406 0012	**544 2403R G2 730 RFLO**	53	7.360	139	9,7

System accessories

Article No.	Type	
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 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.

Accessories / Spare Parts

Article No.	Type	
54410 0001	**ABD 544 G2 ESGW**	cover, pane safety glass clear, for 544...