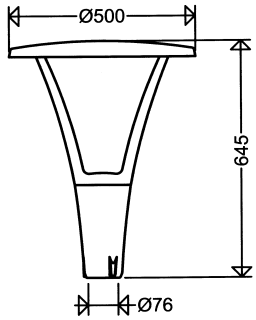
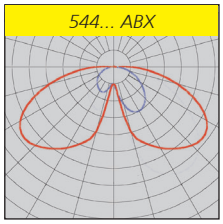
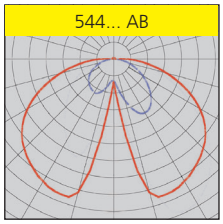
KONIC
LED Pole-Top Light Fitting
Series 544...

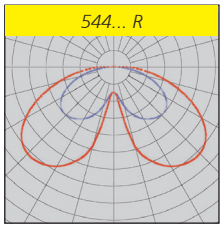
Application:
544.. ABX and ... AB:
Residential areas, residential and side streets, low traffic areas, footpaths and cycle tracks etc.
544... R:
Promenades, public parks, pedestrian areas etc.

Design:
Housing: Die-cast aluminium, threepart, powder coated DB 702N (mica-iron paint, grey).
Lower section with electrical components, cable entry, plug-type device and cable retainer for connection cable.
Tie bars with cable feed-through.
Upper part with LED-modules and optics.
Cover: Acrylic glass (PMMA), frosted.
Light distribution: Asymmetrical extremely wide beam (**ABX**), asymmetrical wide beam (**AB**) or symmetrical circular beam (**R**).
Mounting system: 3 non-corrossive steel locking screws serve for fixation on straight pole end Ø of 76mm. Adapter (**RZ 1**) for pole end Ø of 60mm (see accessories).









Electrical design:
LED module: Zhaga compliant, 4,000K, R_a > 70, lifetime L_{90} > 100,000h
ECG: 220-240V, 50-60Hz, Surge voltage resistance 10kV, excess temperature protection, overload and short circuit protection.
Note: Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited.

Options:
On request also available with the following configurations (please mention in your enquiry or order):
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.
Without control phase (LA): Autonomic dimming by integrated timer. 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 step.
DALI interface (**DIMD**)
1-10V (**DIMA**)
Constant luminous flux function (**CL**): Luminous flux is kept on a constant level over the entire lifetime of the LED-modules.
Also, combinations of the functions are possible (**CL LR / CL LA**).

Further Options:
– 3,000 K, light-colour **730** (ca. 8% lower luminous flux)
– 1,800K, light colour **518** „Amber" (ca. 34% lower luminous flux)
– protection class I (**SKI**)
– seawater-resistant version **(SWP)**
– with increased luminous flux
– special coating in RAL colours

Schuch Quality – your advantage:

- **ECG with surge voltage resistance, reliable due to overload, short-circuit and overheating protection**
- **optimized thermal management** due to direct adaption of the LED-modules to the die-cast aluminium housing, large cooling surface, excellent heat dissipation
- **long-lasting, corrosion resistant aluminium housing** with plain surface
- **optimal light distribution due** to h**ighly efficient lens optics**
- **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.
- **good glare limitation due to frosted cover**
- **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
  - **upgrades or converts in regards to technical development of the LED without problems by change of the upper part of the housing**, after the change of the LED-modules the upper part of the housing can be used again
- **future proof by using standardized LED-modules (Zhaga)**

Notes:

Properties, limitations and details for controlling LED-light fittings: See „Technical Supplement".

All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.de.

Article no.	Type	Power consumption [W]* (CL: start of operating life)	Power consumption [W]* (end of operating life)	Luminous flux [lm]*	Luminous efficacy [lm/W]	Constant luminous flux function (CL)	Light output reduction (LR) **	Energy efficiency class	Weight [kg] (without packing material)

544... ABX

LED | IP65 | LPH 3-5m | Wind load area A = 0,07m²

asymmetrical extremely wide beam

54400 0001	**544 0801ABX**	9	1.200	133	A++	9,5
54400 0002	**544 0802ABX**	13	1.640	126	A++	9,5
54400 0003	**544 0803ABX**	18	2.220	123	A++	9,5
54400 0004	**544 1601ABX**	17	2.400	141	A++	9,6
54400 0005	**544 1602ABX**	25	3.270	131	A++	9,6
54400 0006	**544 1603ABX**	35	4.410	126	A++	9,6
54400 0007	**544 2401ABX**	26	3.600	138	A++	9,7
54400 0008	**544 2402ABX**	37	4.890	132	A++	9,7
54400 0009	**544 2403ABX**	53	6.600	125	A++	9,7

544... AB

LED | IP65 | LPH 3-5m | Wind load area A = 0,07m²

asymmetrical wide beam distribution

54400 0104	**544 1601AB**	17	2.400	141	A++	9,6
54400 0105	**544 1602AB**	25	3.270	131	A++	9,6
54400 0106	**544 1603AB**	35	4.410	126	A++	9,6
54400 0107	**544 3201AB**	34	4.790	141	A++	9,8
54400 0108	**544 3202AB**	50	6.510	130	A++	9,8

544... R

LED | IP65 | LPH 3-5m | Wind load area A = 0,07m²

symmetrical circular beam

54400 0201	**544 0801R**	9	1.200	133	A++	9,6
54400 0202	**544 0802R**	13	1.640	126	A++	9,6
54400 0203	**544 0803R**	18	2.220	123	A++	9,6
54400 0204	**544 1601R**	17	2.400	141	A++	9,7
54400 0205	**544 1602R**	25	3.270	131	A++	9,7
54400 0206	**544 1603R**	35	4.410	126	A++	9,7
54400 0207	**544 2401R**	26	3.600	138	A++	9,7
54400 0208	**544 2402R**	37	4.890	132	A++	9,7
54400 0209	**544 2403R**	53	6.600	125	A++	9,7

*see notes **44% Rated input power with 50% luminous flux

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	
90544 9000	**10044**	spare glass PMMA frosted
90113 0002	**HA 08**	visor to avoid backwards luminous flux for 544 08..
90113 0003	**HA 16**	visor to avoid backwards luminous flux for 544 16..
90113 0004	**HA 24**	visor to avoid backwards luminous flux for 544 24..
90113 0005	**HA 32**	visor to avoid backwards luminous flux for 544 32..