

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

Applications:

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 702 (mica-iron paint, grey).

Lower section with electrical components, cable entry, plug-type device and cable

retainer for connection cable.

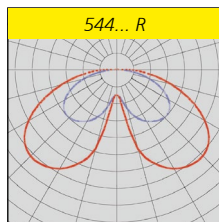
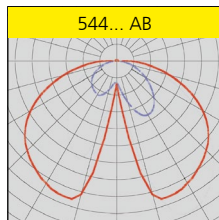
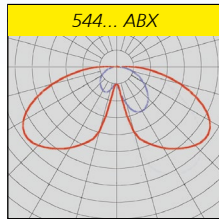
Connecting struts with cable feed-through.

Upper part with LED-modules and optics.

Cover: Acrylic glass (PMMA), frosted.

Light distribution: Asymmetrical extremely wide beam (ABX), asymmetrical wide beam (AB) or symmetrical circular beam (R).

Mounting system: 3 non-corrosive 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, 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:

- 3,000 K, light colour 730 (6% lower luminous flux)
- 2,200K, light colour 722 (20% lower luminous flux)
- 1,800K, light colour 518 „Amber“ (35% lower luminous flux)
- protection class I (SKI)

- optics for cycle track (RWX)
- seawater-resistant version (SWP)
- for connection to group or central battery systems (ZB) or emergency mains respectively
- with increased luminous flux
- special painting in RAL colours (SL)

Product highlights:

- ECG with surge voltage resistance, reliable due to overload and short circuit 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 highly 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
- sustainable, components interchangeable
- future proof by using standardized LED-modules (Zhaga)

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.

Article No.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
-------------	------	-----------------------	--------------------	--------------------------	---

544... ABX



asymmetrical extremely wide beam

54400 0001	544 0801ABX	9	1.250	139	9,5
54400 0002	544 0802ABX	13	1.710	132	9,5
54400 0003	544 0803ABX	18	2.310	128	9,5
54400 0004	544 1601ABX	17	2.490	146	9,6
54400 0005	544 1602ABX	25	3.390	136	9,6
54400 0006	544 1603ABX	35	4.590	131	9,6
54400 0007	544 2401ABX	26	3.750	144	9,7
54400 0008	544 2402ABX	37	5.080	137	9,7
54400 0009	544 2403ABX	53	6.860	129	9,7

544... AB



asymmetrical wide beam distribution

54400 0104	544 1601AB	17	2.490	146	9,6
54400 0105	544 1602AB	25	3.390	136	9,6
54400 0106	544 1603AB	35	4.590	131	9,6
54400 0107	544 3201AB	34	4.980	146	9,8
54400 0108	544 3202AB	50	6.750	135	9,8

544... R



symmetrical circular beam

54400 0201	544 0801R	9	1.250	139	9,6
54400 0202	544 0802R	13	1.710	132	9,6
54400 0203	544 0803R	18	2.310	128	9,6
54400 0204	544 1601R	17	2.490	146	9,7
54400 0205	544 1602R	25	3.390	136	9,7
54400 0206	544 1603R	35	4.590	131	9,7
54400 0207	544 2401R	26	3.750	144	9,7
54400 0208	544 2402R	37	5.080	137	9,7
54400 0209	544 2403R	53	6.860	129	9,7

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	backside light shielding for 544 08..
90113 0003	HA 16	backside light shielding for 544 16..
90113 0004	HA 24	backside light shielding for 544 24..
90113 0005	HA 32	backside light shielding for 544 32..