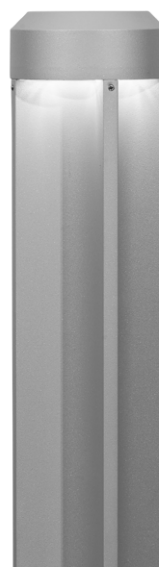


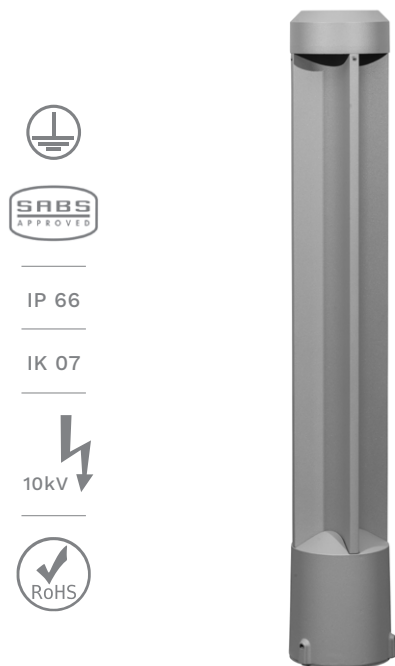
LEDPOST

LED bollard



LOCALLY
manufactured

LEDPOST



Attractive bollard for ambiance and safety in pedestrian areas

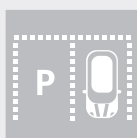
With its elegant design, the LEDPOST bollard is dedicated to lighting open areas. The distinct design shields pedestrians and drivers from glare and prevents light spill from being emitted above the horizontal. Thanks to innovative technology, the LEDPOST combines the highest precision and efficiency in a very compact bollard.



BIKE &
PEDESTRIAN
PATH



SQUARES &
PEDESTRIAN
AREA



CAR PARK



SHOPPING
CENTRE



PUBLIC
BUILDING



SPORT AREA



SERVICE
STATION

Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 19W in an ambient temperature environment of up to 35°C, without reducing the LED lifetime of 100 000 operating hours, at a lumen depreciation of not more than 10% (L90B10)
- Very distinct design
- Dark sky compliant: ULOR = 0%, no upward lighting
- Highly efficient LED light source
- Energy saving and low maintenance applications
- Robust design
- Easy to install
- Marine grade (EN 1706 AC-44300) high-pressure die-cast aluminium housing
- Surge protection 10kV/10kA
- Circular economy 3-star rating
- 3-year warranty ^(*)

^(*) Terms and conditions apply

Characteristics

GENERAL INFORMATION

Recommended bollard spacing	Up to 11m
Driver included	Yes
ROHS compliant	Yes
Testing standard	SANS 60598, SANS 62262

HOUSING AND FINISH

Housing	Extruded aluminium High-pressure die-cast aluminium (EN 1706 AC-44300)
Protector	Polycarbonate
Housing finish	Pearl Light Grey (RAL 9022), Textured finish
Tightness level	IP 66
Impact resistance	IK 07

WEIGHT AND MOUNTING

Weight (kg)	5.2
Standard mounting	Surface mount

ELECTRICAL INFORMATION

Electrical class	EU class I
Nominal voltage	198-265V - 50Hz
Power factor	> 95% at full load
Surge protection	10kV / 10kA 20kV / 20kA (optional)
Electromagnetic compatibility (EMC)	SANS 55015:2013/A1:2015, SANS 61000-3-2:2014, SANS 61000-3-3:2013, SANS 61547:2009, SANS 62493:2015

OPTICAL INFORMATION

LED colour temperature	4000K (Neutral white 740)
Colour rendering index (CRI)	≥ 70 (Neutral white 740)
Upward Light Output Ratio (ULOR)	0%

OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C up to +35°C
----------------------------------	-------------------

LIFETIME OF THE LEDS @ TQ 25°C

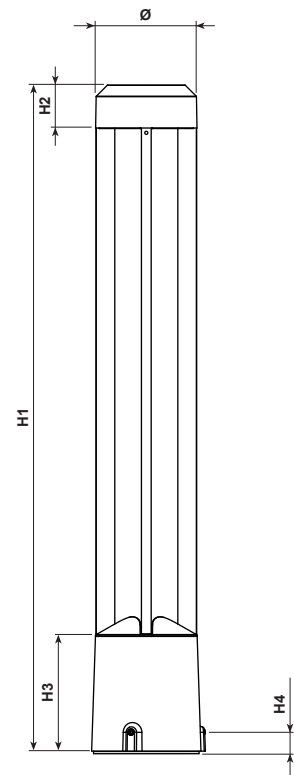
For all versions	100,000h - L90B10
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LIFETIME OF THE DRIVER @ TQ 25°C

For all versions	60,000h ≤10% failure rate
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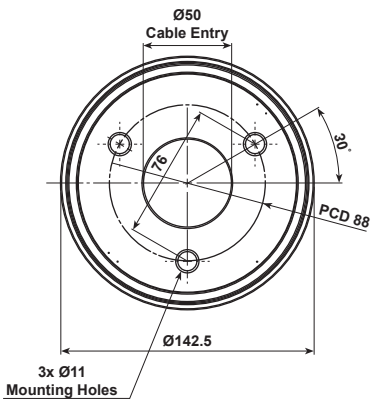
For options and accessories, please turn to page 8.

Dimensions in mm

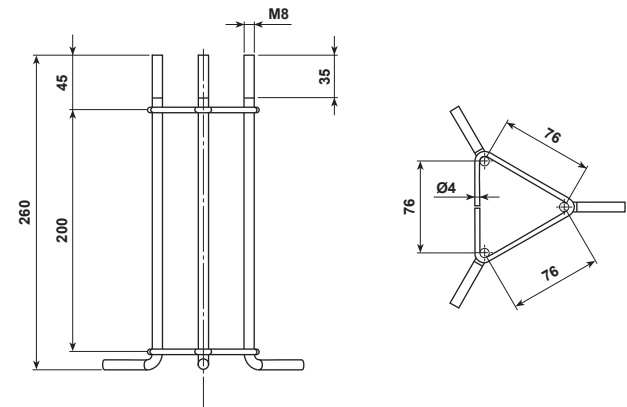


Ø	137mm
H1	900mm*
H2	58mm
H3	158mm
H4	29mm

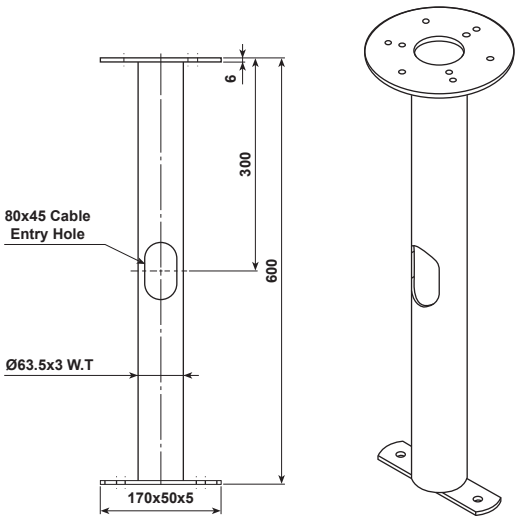
* Custom height available on request (min. 650mm)



Bolt Cage (Accessory)



Stubby (Accessory)



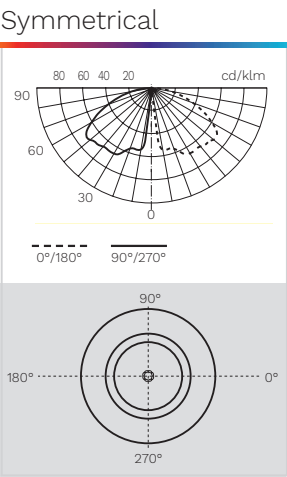
Performance

			Nominal flux (lm) ⁽¹⁾	Power consumption (W)	Nominal efficacy (lm/W)
Luminaire	Driver Current (mA)	Line Current (A)	Typical	Typical	Typical
LEDPOST	500	0.06	1950	13	150
	500	0.08	2920	19	154

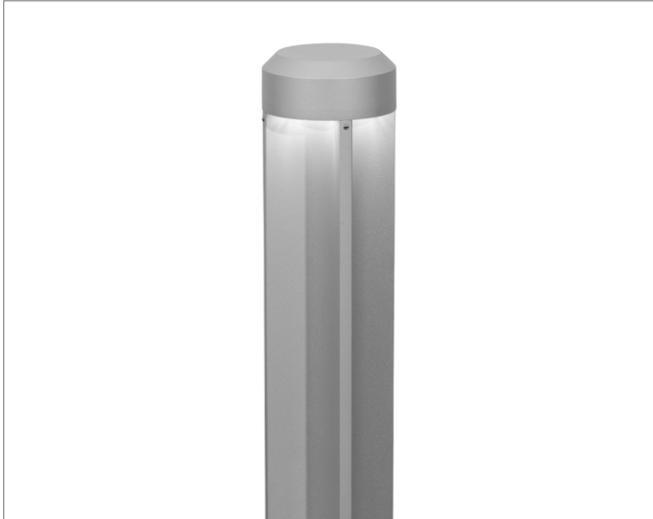
Tolerance on LED flux is ± 7% and on total luminaire power ±5%

⁽¹⁾ The nominal flux is an indicative LED flux @ Ts 85°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. The type of LED used is subject to change due to the ongoing rapid progress taking place in LED technology.

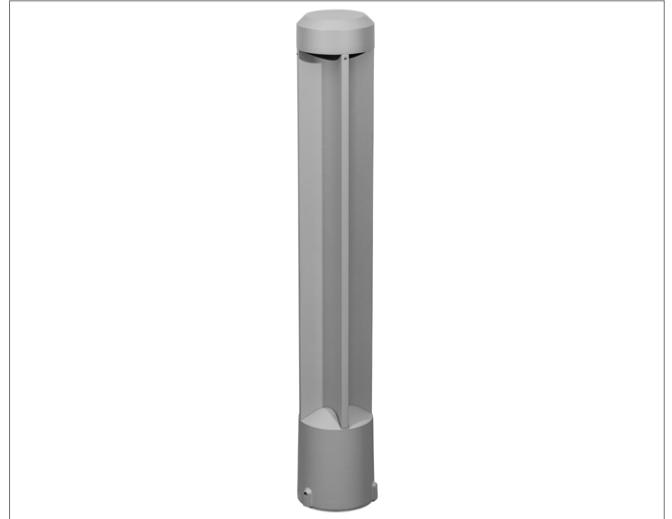
Light Distribution



Key Features



Highly efficient LED light source and no spill light emitted in upward direction



Marine grade (EN 1706 AC-44300) high-pressure die-cast aluminium housing



Installation is made easy through the simple base flange assembly. Through-wiring is also possible.

Construction Details

The LEDPOST is a bollard luminaire that has been designed for orientation lighting and security marking. The bollard consists of a high-pressure die-cast head containing the LED light source and optic, as well as a pole base assembly. The control gear is integrated within the cross shaped aluminium extruded pole. The distinct design shields pedestrians and drivers from glare and prevents spill light from being emitted above the horizontal.

The bollard head assembly is permanently sealed to IP 66 and firmly fixed to the pole. It can be conveniently replaced or upgraded. The optical system, in conjunction with the prismatic diffuser, provides highly efficient and low-level lighting with maximum glare control.

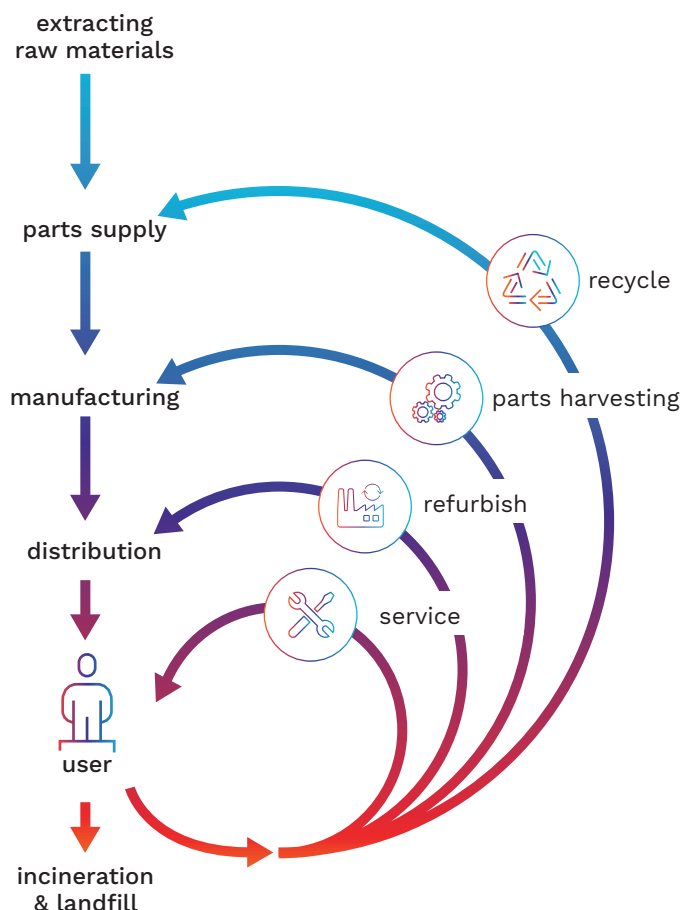
The LEDs are designed for ambient temperatures of up to 35°C, resulting in a useful lifetime of approximately 100 000 operating hours (L90B10). The LEDs are effective high-power LEDs, 4000K at a colour rendering index ≥ 70 . To maximize the reliability of the LEDs, the photometric engine is completely sealed to IP 66. This ensures that the photometric performance is maintained over time. Electronic temperature monitoring prevents overheating of LEDs and power supply, positioned directly next to LEDs (ThermiX®).

It is designed to operate LEDs of up to 19W.

The power factor is rated at $\geq 0,95$.



Circularity concept



LEDPOST

Circularity focuses on reducing the environmental burden by valorising the flow of all materials. It is mainly defined in opposition to the traditional linear economy: take, make and dispose. In a circular economy, products are part of a value network where they will be used for as long as possible.



Then, depending on their characteristics, they can be reused, refurbished, upgraded or recycled.

BEKA Schröder takes circular economy into account, right from the offset. Before we start to design our products, we incorporate it into their DNA.

After a careful analysis of the potential circularity of our luminaires, we decided to introduce a “circular lighting” product label. This label acts as a circular indicator for our customers.

It clearly designates products that are optimised for circular economy through 12 objective criteria.

Circular highlights:

-  Equipped with a completely replaceable LED engine
-  Materials with a high rate of recyclability

Star rating:



It was designed to be cost-efficient



It was built to last but not with circular economy requirements



It was developed to meet most of circular economy requirements



It was developed to fully meet circular economy requirements

Ordering Information

Example:

LEDPOST 19 N B 1



ID	Watt	LED Colour	Colour	Surge Protection	Installation Options
LEDPOST	13	N	B	1	Bolt cage kit
	19	Neutral White (4000K)	Black (RAL 9017), Textured finish	10kV	(supplied separately)
			W	2	Stubby
			White (RAL 9003), Textured finish	20kV	(supplied separately)
			S		
			Pearl Light Grey (RAL 9022), Textured finish		
			P		
			Painted Other (RAL / Finish [Brilliant/Matt])		

Custom Options

Light distribution	Asymmetrical
Correlated colour temperature	3000K (Warm white 730)
Bollard height	Custom (min. 650mm)

BEKA Schröder

Experts in lightability™

SABS
ISO 9001



www.beka-schreder.co.za

Manufactured by BEKA Schröder (Pty) Ltd



LOCALLY
manufactured

2023-05

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