BEKA Schréder

Experts in lightability™

LEDSHINE

Classic LED post top

LEDSHINE

IP 65

IK 07

10kV

Classic LED post top luminaire

The LEDSHINE luminaire is designed for urban decorative area lighting applications where good optical control, whilst complementing modern architecture, is required. The various product configurations provide a wide choice to suit your application needs.

This LED post top luminaire is designed to limit upward lighting to create a visually pleasing light distribution, unintrusive into neighbouring facilities. This is achieved through the louvre system made from enhanced translucent material, which has been specifically designed to direct the light where it is needed.

The LEDSHINE luminaire's limiting energy consumption compared to conventional luminaires results in it being a valued investment. Thanks to its reliable performance, and no need for relamping and regular maintenance, the LEDSHINE is the ideal luminaire for your urban decorative application.

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

CAR PARKS

SHOPPING CENTRE

SECURITY LIGHTING

SPORT AREAS

Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 38W in an ambient temperature environment of at least 35˚C, without reducing the useful lifetime of up to 100 000 hours, at a lumen depreciation of not more than 30% (L70B10)
- Precise light control
- Instant switch on/off
- Flicker-free lighting
- Circular economy 3-star rating
- 5 year warranty (*)

(*) Terms and conditions apply

Characteristics

GENERAL INFORMATION	
Recommended installation height	2m to 6m
Driver included	Yes
ROHS compliant	Yes
Testing standard	SANS 60598, SANS 62262

HOUSING AND FINISH	
Housing	Spigot base, top cover, glare-shield: Marine grade high-pressure die-cast aluminium (EN 1706 AC-44300)
Protector	High-impact acrylic
Housing finish	Black (RAL 9017), Textured finish
Tightness level	IP 65
Impact resistance	High-impact acrylic: IK 07

DIMENSIONS AND MOUNTING	
Weight (kg)	8.7
Standard mounting (mm)	Bottom-entry Ø76
Spigot length (mm)	≥ 80

ELECTRICAL INFORMATION	
Electrical class	EU class I
Nominal voltage	198-264V – 50Hz
Power factor	> 95% at full load
Surge protection	10kV / 10kA
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 840)
	3000K (Warm white 830) (optional)
Colour rendering index (CRI)	≥ 80 (Neutral white 840)
	≥ 80 (Warm white 830) (optional)

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

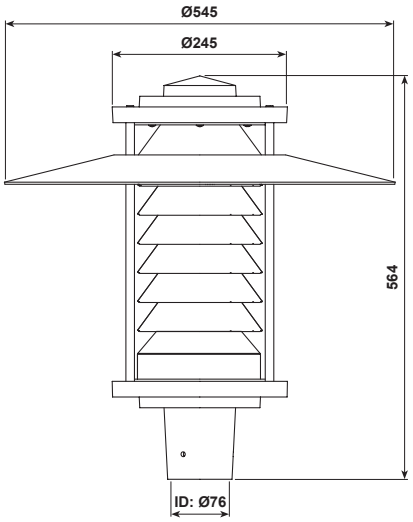
LIFETIME OF THE LEDS @ TQ 25°C	
For all versions	100,000h - L70B10

LIFETIME OF THE DRIVER @ TQ 25°C	
For all versions	100,000h ≤10% failure rate

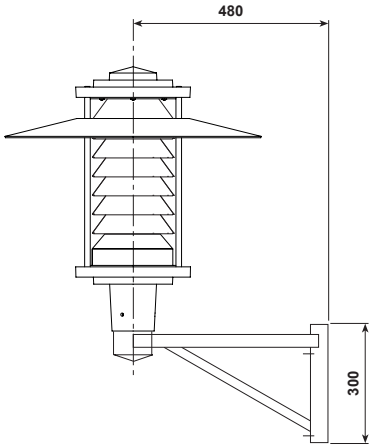
For options and accessories, please turn to page 8.

Dimensions in mm

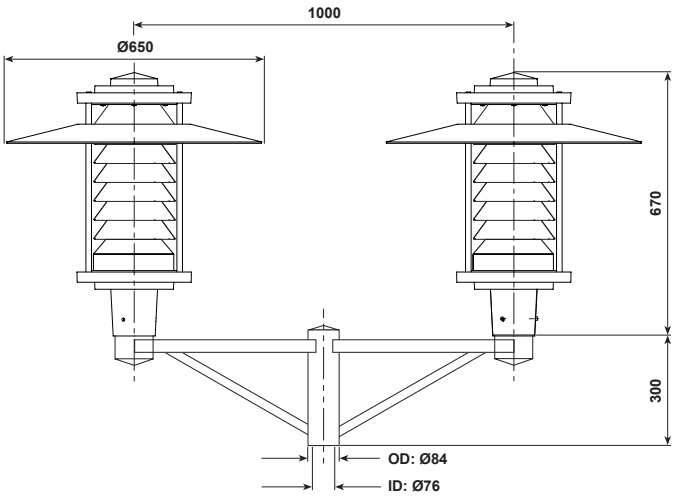
Standard version



Wall bracket



Deco arrangement double



Performance

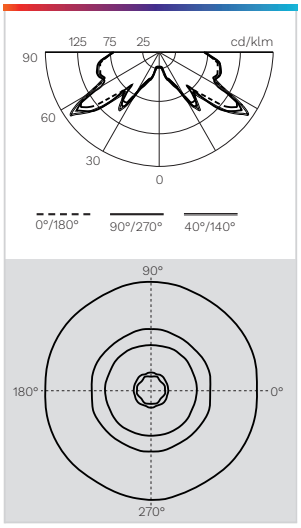
				Nominal flux (lm) (*)	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)
Luminaire	Number of LEDs	Driver Current (mA)	Line Current (A)	Typical	Typical	Typical	Typical	Typical
LEDSHINE	36	350	0.08	2916	19	153	2041	107
	72	700	0.17	5832	38	153	4082	107

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

(*) 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

LEDSHINE



Key Features

No upward lighting

The LEDSHINE is available without the glare-shield

Different housing colours possible

Non-discolouring UV-stabilised acrylic anti-glare louvres and protector

Construction Details

The luminaire consists of a spigot base, top casting, glare shield, lamp compartment with integral control gear and diffuser that is held in position by three extruded aluminium tie bars.

The castings are manufactured from high-pressure die-cast aluminium (EN 1706 AC-44300), powder coated for added protection in the colour specified, with the underside of the glare shield being white for added reflectivity.

The diffuser is manufactured from non-discolouring clear high-impact acrylic. It is seamless and smooth on both the inside and outside.

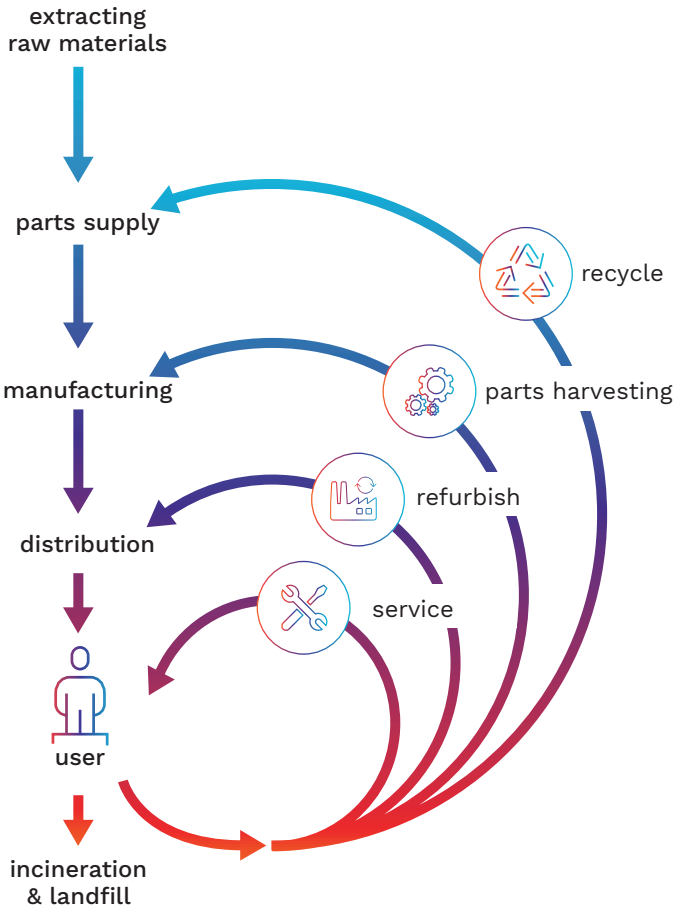
The luminaire is secured to the pole by three M8 stainless steel grub screws.

The luminaire bears the SANS 60598-2-3 safety mark. The luminaire has a degree of protection that complies with SANS 60598-2-3: Lamp compartment: IP 65. The IP rating is certified by an SABS test report.

The LEDs are effective high-power LEDs, 4000K at a colour rendering index ≥80. The electronic power supply is suitable for operation with a 198-264V 50Hz single phase system. The power factor is rated at ≥0,95. It is designed for LED light sources of 38W.

CIRCLELIGHT

Circularity concept



LEDSHINE

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 Schréder 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:

LEDSHINE 38 N CL BLK

ID	Watt	LED Colour	Protector	Colour Options	Other Options / Accessories
LEDSHINE	19 38	**N** Neutral White (4000K)	**CL** Clear acrylic protector **OL** Opaque acrylic protector	**BLK** Black (RAL9017), Textured finish **DGR** Dark Grey (RAL 7045), Textured finish **MBG** Mid Brunswick Green (RAL 6005), Textured finish **P/O** Painted Other (RAL / Finish [Brilliant/Matt])	**Mounting** Wall bracket **Single Outreach** Single deco arrangement outreach **Double Outreach** Double deco arrangement outreach

Custom Options

Correlated colour temperature	3000K (Warm white 830)
Construction	Without glare-shield

BEKA Schréder

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SABS ISO 9001

www.beka-schreder.co.za

Designed and manufactured by BEKA Schréder (Pty) Ltd

LOCALLY manufactured

2023-03