

LED BEKASTAR



Courtesy of Jacobs Parker Architecture

BEKA Schröder
Experts in lightability™



APPLICATIONS

- Group B road lighting
- General area lighting
- Security lighting
- Parks and gardens

KEY ADVANTAGES

- Traditional appearance
- Die-cast aluminium top cover
- Integral removable control gear
- Available in various colours
- 54W LED version performs equally to 100W HPS or 125W MV version
- LED Retrofit Kit available for existing installations
- Provides energy savings of up to 70%
- Low maintenance requirements
- Operating temperature (T_a): -20°C to +35°C
- Minimum 100 000hrs useful lifetime (L70)
- Effective high-power LED, 4000K^(*) at a colour rendering index >70
- Surge protection 10kV/10kA
- 5 year warranty^(**)

CONSTRUCTION DETAILS

The luminaire consists of a spigot base, optical compartment with integral control gear and top cover and is designed to operate LEDs of up to 54W.

The cable entry grommet is designed for the connection of a 3 x 1.5mm² cabtyre, of an overall diameter of 9mm.

SABS MARKS

The luminaire bears the SANS 475 performance mark and the SANS 60598-2-3 safety mark.

Luminaire spigot entries comply with SANS 1088 - Table 1 for Type 2: Ø76mm x 75mm.

INGRESS PROTECTION

The luminaire has a degree of protection that complies with SANS 60598-2-3:

Optical compartment: IP 55

The IP rating is certified by an SABS test report.

TOP COVER

- The top cover is robustly constructed from die-cast aluminium, powder coated for added protection in the colour specified and is firmly secured with a single aluminium decor casting.
- White reflective paint on inside.

SPIGOT BASE

- The spigot base is manufactured from high-pressure die-cast aluminium, powder coated for added protection in the colour specified.
- The luminaire is secured to the pole by three M8 stainless steel grub screws.

DIFFUSER

- The high-impact non-discolouring acrylic diffuser bowl is hexagonal in shape and is smooth on the outside, but has internal prisms to reduce the direct glare component.
- A drip ridge is provided at the bottom edge to avoid direct rain water contact with the gasket.

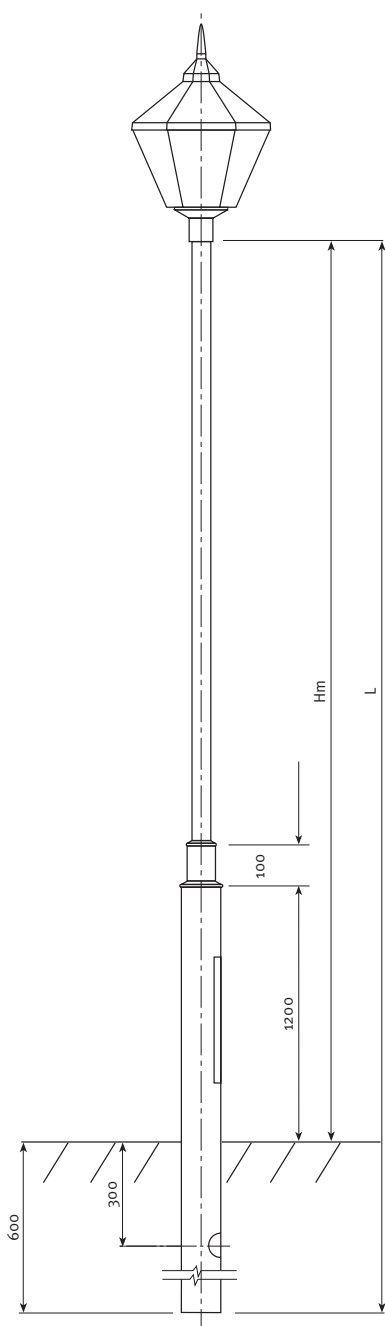
ELECTRICAL COMPONENTS

- The control gear is incorporated inside the luminaire and is mounted on a removable gear tray.
- The nominal voltage is rated at 198-264V 50Hz single phase.
- All control gear components are removable and bear the relevant SABS mark.
- All internal wiring is Teflon[®] coated with protective sleeving to prevent damage by possible abrasion.
- All screws, bolts and metal parts are stainless steel or non-corrosive material.
- Mains connections are by means of a suitable screw terminal block with a wire clamping contact.
- The power factor is rated at ≥0.9.

^(*) Correlated colour temperature (CCT)

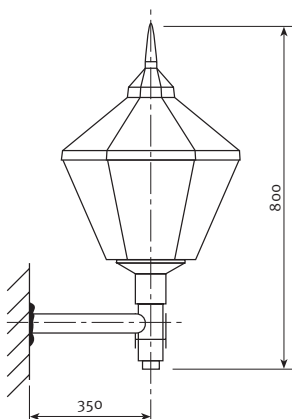
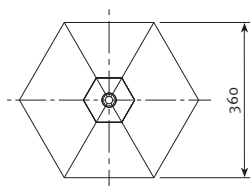
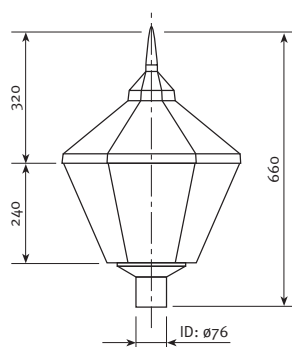
^(**) Terms and conditions apply

DIMENSIONS IN MM



Traditional steel pole

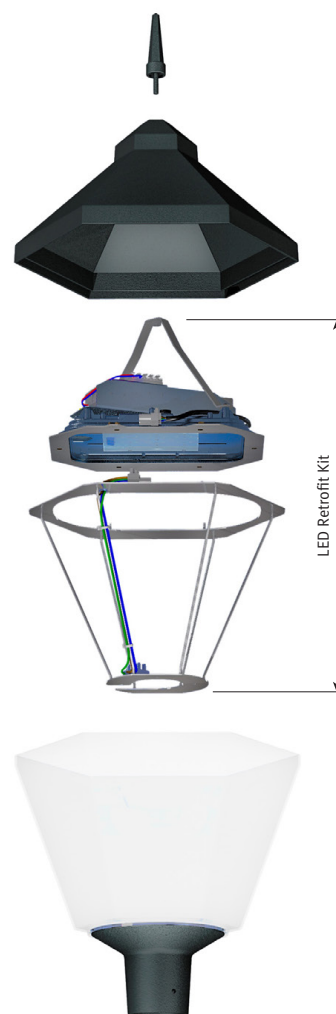
- Attractive traditional steel pole
- Hot-dipped galvanised and painted to colour specified
- Complete with access door, glandplate and baseplate
- Also available in surface mounting version



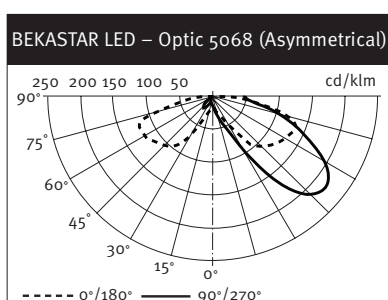
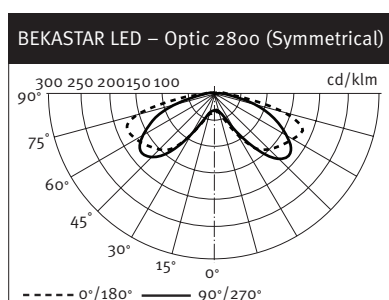
Traditional wall bracket

- Attractive wall bracket
- Hot-dipped galvanised and painted to the colour specified
- Suitable to cover electrical wall termination boxes

LED RETROFIT



LIGHT DISTRIBUTIONS



Electronic data files can be downloaded from www.beka-schreder.co.za/knowledge-base

ORDERING DATA

DESCRIPTION	LEDs	LINE CURRENT (A)	LUMEN ^(*)	MASS (KG)
BEKASTAR LED 37W	16	0.16	5 157	8.4
BEKASTAR LED 54W	24	0.24	7 676	8.4
TRADITIONAL STEEL POLE				
DESCRIPTION		TOTAL LENGTH (L)	MOUNTING HEIGHT (Hm)	MASS (KG)
PST 31/25	–	3100mm	2500mm	44
PST 36/30	–	3600mm	3000mm	48
PST 41/35	–	4100mm	3500mm	52
PST 46/40	–	4600mm	4000mm	56
TRADITIONAL WALL BRACKET				
DESCRIPTION	MASS (KG)			
WST 350	3.5			

Standard colour: Black (RAL 9017), Textured finish

^(*) The type of LED used is subject to change due to the ongoing rapid progress taking place in LED technology.

OPTIONS AND ACCESSORIES

ELECTRICAL	
Switching control	Recessed daylight switch, base mounted
MECHANICAL	
Mounting	Wall bracket
	Other RAL colour, Matt finish
Colour	Other RAL colour, Brilliant finish
	Other RAL colour, Textured finish
Extras	LED Retrofit Kit
	Nipple Casting
	Ball Casting
PHOTOMETRICS	
Light distribution	Optic 2800 – Asymmetrical

Designed and manufactured by BEKA Schröder (Pty) Ltd - South Africa
Manufacturers of Luminaires and Glass Fibre Poles

02/20

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