



BEKARAY

**BEK** Schröder  
Experts in lightability™





Wall bracket version



## APPLICATIONS

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

## KEY ADVANTAGES

- Ingress protection - IP 65
- Corrosion resistant
- Integral removable control gear
- Robust top cover
- Also available in a wall bracket version
- 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<sup>(\*)</sup> at a colour rendering index >70
- Surge protection 10kV/10kA
- 5 year warranty<sup>(\*\*)</sup>

## 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. It is also available in a wall bracket version.

## 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:  $\varnothing 76\text{mm} \times 75\text{mm}$ .

## INGRESS PROTECTION

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

Optical compartment: IP 65

The IP rating is certified by an SABS test report.

## TOP COVER

- The top cover is robustly constructed, weatherproof, hailproof, corrosion proof and vandal resistant.
- It is manufactured from glass-filled nylon and is firmly secured with a single injection moulded dome nut.
- It is coated white on the inside to improve the efficiency of the luminaire.
- A silicon sponge gasket is fixed into a groove to seal the top cover against the diffuser to IP 65.

## SPIGOT BASE

- The spigot base is manufactured from high-pressure die-cast aluminium and 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 injection moulded non-discolouring high-impact acrylic diffuser bowl is hexagonal in shape and is available in either a clear or opal version. It 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 prevent direct rain water contact with the gasket.

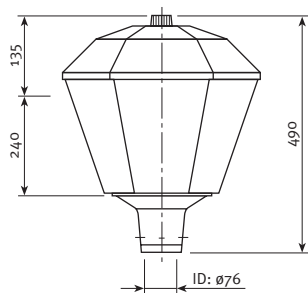
## ELECTRICAL COMPONENTS

- The control gear is incorporated inside the luminaire and 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 marks. 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 of 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  $\geq 0,9$ .

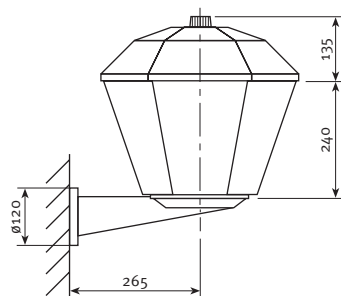
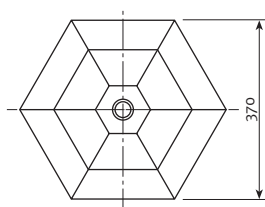
<sup>(\*)</sup> Correlated colour temperature (CCT)

<sup>(\*\*)</sup> Terms and conditions apply

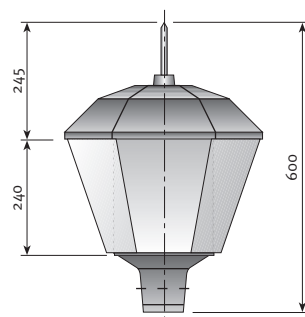
## DIMENSIONS IN MM



Aerodynamic resistance - 0.14m<sup>2</sup>



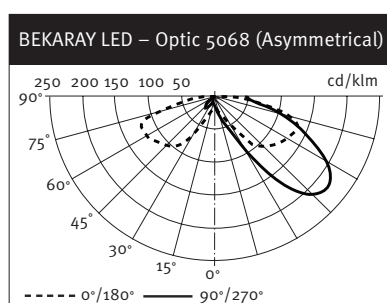
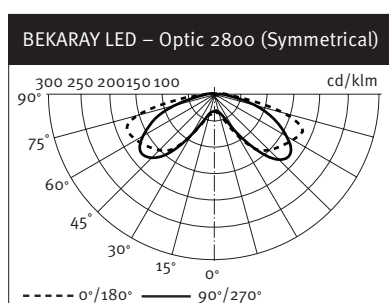
### BEKARAY with birdspike



## LED RETROFIT



## LIGHT DISTRIBUTIONS



Electronic data files can be downloaded from [www.beka-schreder.co.za/knowledge-base](http://www.beka-schreder.co.za/knowledge-base)

## ORDERING DATA

DESCRIPTION	LEDs	LINE CURRENT (A)	LUMEN <sup>(*)</sup>	MASS (KG)
BEKARAY LED 37W	16	0.16	5 157	6.2
BEKARAY LED 54W	24	0.24	7 676	6.2

Standard colour: Telegrey (RAL 7045), Textured finish

<sup>(\*)</sup> 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
MECHANICAL	
Top cover	Birdspike (specify colour)
Mounting	Wall bracket
Colour	Dark grey (RAL 7045), Textured finish
	Black (RAL 9017), Textured finish
	Sandstone (RAL 1001), Textured finish
	Mid Brunswick Green (RAL 6005), Textured finish
	Other RAL colour, Matt finish
	Other RAL colour, Brilliant finish
Extras	Other RAL colour, Textured finish
	LED Retrofit Kit
PHOTOMETRICS	
Light distribution	Optic 2800 – Asymmetrical

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

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