



LED FOCUS

FOCUS



CHARACTERISTICS – LUMINAIRE

Optical compartment tightness level:	IP 66 ^(*)
Control gear compartment tightness level:	IP 66 ^(*)
Nominal voltage:	120-272V - 50Hz
Electrical class:	I ^(**)
Operating temperature (T _a):	-30°C to +35°C
Weight (total):	3.6kg
Materials:	Body: Aluminium extrusion Protector: Glass
Standard colour:	Black (RAL 9017), Textured finish

LED light sources

Correlated colour temperature (CCT):	Neutral white (4000K)
Wattage:	13W - 38W
Flux:	1800lm - 5300lm

^(*) according to SANS 60598

^(**) according to SANS 62262

APPLICATIONS

- Façade lighting
- Parks and gardens
- Landscape lighting
- Signage
- Exterior display lighting

KEY ADVANTAGES

- Designed to operate LED light sources of up to 38W in an ambient temperature (T_a) environment of up to 25°C, without reducing the useful lifetime of 100 000 hours, at a lumen depreciation of not more than 30% (L70)
- Narrow beam, medium beam and wide beam distribution
- Ingress protection - IP 66
- Removable control gear
- Good beam control - less spill light
- Vibration resistant
- Colour rendering index ≥ 70
- Instant and flicker-free lighting
- Very low UV content in light beam
- Surge protection 10kV/10kA

CONSTRUCTION DETAILS

The luminaire consists of an aluminium extrusion body and die-cast aluminium ends supporting the spotlight and enclosed control gear.

The luminaire bears the SANS 60598-2-5 safety mark. It has an ingress protection rating of IP 66 in compliance with SANS 60598-2-5. The IP rating is certified by an SABS test report. The luminaire housing is robustly constructed, weather proof, hail proof, corrosion proof and vandal resistant. It is manufactured from corrosion resistant aluminium. The front glass is mounted in a die-cast aluminium frame held captive by two stainless steel screws, fastened to the housing. The gasket sealing the top and bottom frames is made of silicon sponge. It is supplied complete with an adjustable stirrup mounting.

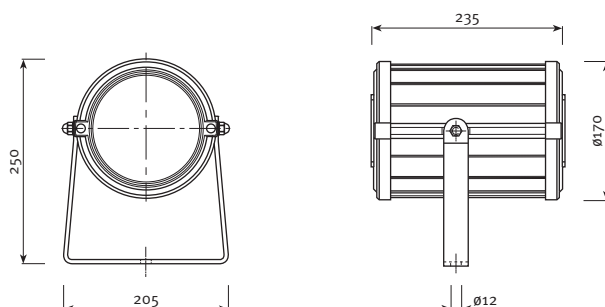
The luminaire is designed to operate LEDs of up to 38W. The LEDs are effective high-power LEDs, 4000K at a colour rendering index ≥ 70 .

The optical solution provides a narrow, medium or wide beam. The control gear is incorporated in the luminaire housing and is mounted on a removable gear tray. It is suitable for operation with the specified rating of a 120-277V 50Hz single phase system. All internal wiring is Teflon® coated with protective sleeving to prevent possible damage by abrasion. Mains connections are by means of a suitable screw terminal block in a separate compartment. The power factor is rated at $\geq 0,95$.

OPTIONS

- Different light colours available, including 3000K
- DALI control gear
- Various anti-glare baffles
- Earthspike mounting
- Various RAL colours and textures available on request
- Narrow, medium or wide beam angle

DIMENSIONS IN MM



CONSTRUCTION FEATURES



Easy access to electrical connection by an IP 66 sealed electrical access opening.

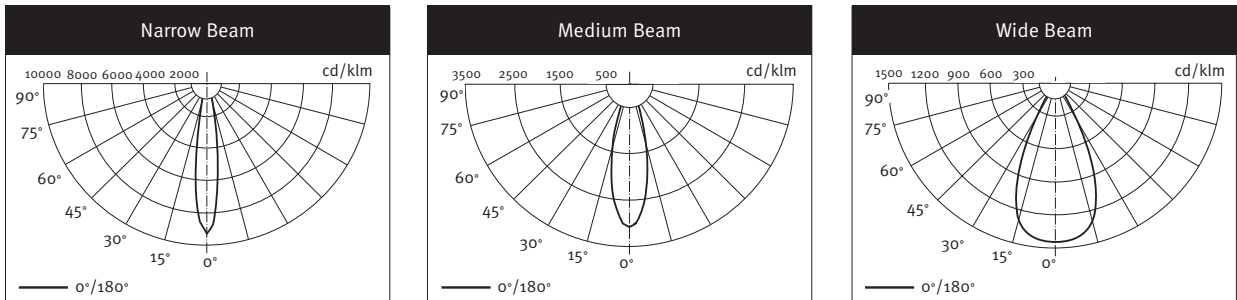
PHOTOMETRY

OVERVIEW					Lifetime residual flux @ T _a 25°C ^(*)
Number of LEDs	Neutral white (4000K)	8 LEDs	16 LEDs	24 LEDs	@100.000h
LED Current: 500mA	Nominal flux (lm)*	1806	3586	5378	70%
	Power consumption (W)	13	26	38	

^(*) The nominal flux is an indicative LED flux @ T_j 25°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.
^(**) In accordance with LM-80 – TM-21

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

LIGHT DISTRIBUTIONS







ORDERING DATA

DESCRIPTION	LINE CURRENT (A)	LEDs	CURRENT (mA)	LUMEN	MASS (KG)
FOCUS 13W	0.06	8	500	1 806	3.6
FOCUS 26W	0.12	16	500	3 586	3.6
FOCUS 38W	0.17	24	500	5 378	3.6

Standard colour: Black (RAL 9017), Textured finish

Standard CCT: Neutral white (4000K)

OPTIONS AND ACCESSORIES

ELECTRICAL		
Light colour	Warm white (3000K)	
	Red	
	Green	
	Blue	
Dimming control	DALI 1-10V	
MECHANICAL		
Anti-glare baffle	Symmetrical	
	Asymmetrical	
	Symmetrical, louvred	
Mounting	Earthspike	
Colour	Other RAL colour, Matt finish	
	Other RAL colour, Brilliant finish	
	Other RAL colour, Textured finish	
PHOTOMETRICS		
Beam angle	Narrow	
	Medium	
	Wide	

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

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