BEKA Schréder
Experts in lightability™

FOCUS

High-performing versatile LED floodlight

BLAST FLEX™ 4

LOCALLY manufactured

FOCUS

IP 66

IK 07

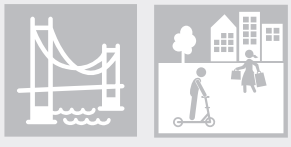
10kV

High-performing versatile LED floodlight for functional, accent and architectural lighting

The FOCUS is a versatile LED floodlight and has been designed for lighting of façades, parks and gardens, signage and exterior displays. Different light colours are available, including various anti-glare baffles.

With the ease of installation and aiming, the FOCUS will enhance any architectural detail, sculptures and other features you wish to illuminate.

BUILDINGS & MONUMENTS | FAÇADE | SIGNAGE



BRIDGES | SQUARES & PEDESTRIAN AREAS

Key advantages

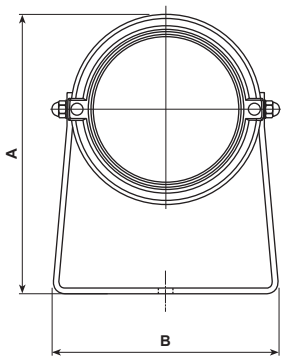
- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 38W in an ambient temperature (Tq) environment of up to 25˚C, without reducing the useful lifetime of 100 000 hours, at a lumen depreciation of not more than 5% (L95)
- Narrow beam, medium beam and wide beam distribution
- 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
- Circular economy 3-star rating
- 3 year warranty (Terms and conditions apply)

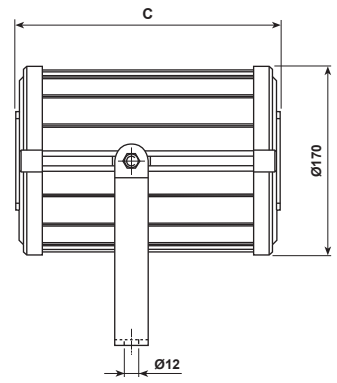
Characteristics

GENERAL INFORMATION	
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
ROHS compliant	Yes
Testing standard	SANS 60598, SANS 62262

HOUSING AND FINISH	
Housing	Aluminium
Optic	Acrylic PMMA
Protector	Glass
Housing finish	Black (RAL 9017), Textured finish
Tightness level	IP 66
Impact resistance	IK 07
Access	Easy access to electrical connection

DIMENSIONS AND MOUNTING	
AxBxC (mm)	250x205x235
Weight (kg)	3.6





ELECTRICAL INFORMATION	
Electrical class	EU class I
Nominal voltage	120-277V - 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
Control options	1-10V
	DALI

OPTICAL INFORMATION	
LED colour temperature	4000K (Neutral white 740)
Colour rendering index (CRI)	≥ 70 (Neutral white 740)

OPERATING CONDITIONS	
Operating temperature range (Ta)	-30°C up to +35°C

LIFETIME OF THE LEDS @ TQ 25°C	
For all versions	100,000h - L95B10

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

For options and accessories, please turn to page 7.

Performance

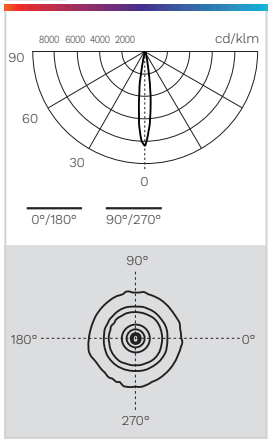
				Nominal flux (lm) (*)	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)	Photometry
Luminaire	Number of LEDs	Driver Current (mA)	Line Current (A)	Typical	Typical	Typical	Typical	Typical	
FOCUS	20	200	0.06	2156	13	160	2027	150	BLAST FLEX™ 4
	20	350	0.10	3610	23	159	3393	150	
	20	600	0.17	5752	38	151	5407	142	

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

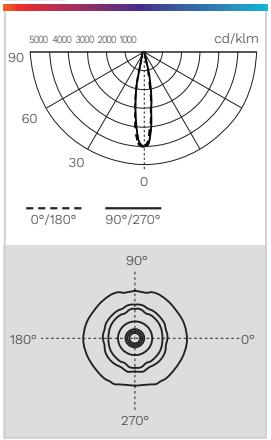
(*) The nominal flux is an indicative LED flux @ Ts 85°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. The type of LED used is subject to change due to the ongoing rapid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

Light Distributions

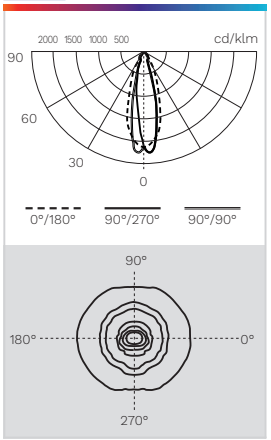
BLAST FLEX™ 4 5357 optic



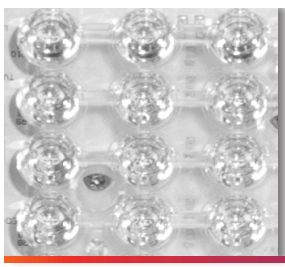
BLAST FLEX™ 4 5358 optic



BLAST FLEX™ 4 5359 optic



BLAST FLEX™ 4 BlastFlex™4



Using collimators made of high-transmission PMMA, the BlastFlex™4 photometric engine offers the highest efficiency for directional beams dedicated to specific applications in architectural and sports lighting. The ability to control the light with the highest accuracy reduces light spill in the surroundings, improves uniformity on the area to be lit and contributes to optimal use of the energy consumed.

Key Features

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

Earthspike

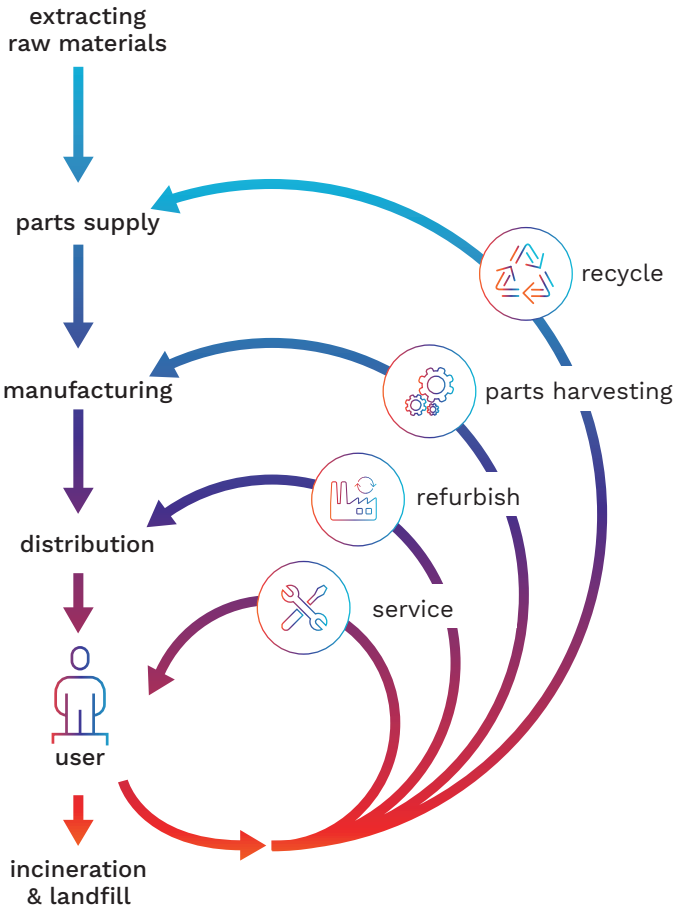
Anti-glare baffle: Symmetrical

Anti-glare baffle: Asymmetrical

Anti-glare baffle: Symmetrical, louvred

CIRCLELIGHT

Circularity concept



FOCUS

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

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.

Ordering Information

Example:

FOCUS2038N5357B1Gs

ID	LED	Watt	LED Colour	Optic	Colour Options	Surge Protection	Protector	Mounting Options
FOCUS	20 20 20	13 23 38	**N** Neutral White (4000K)	5357 5358 5359	**B** Black (RAL 9017), Textured finish **L** Pearl Light Grey (RAL 9022), Textured finish **W** White (RAL 9003), Textured finish **O** Painted Other (RAL / Finish [Brilliant/Matt])	**1** 10kV	**G** Glass clear	**s** Spike

Custom Options

Switching/dimming control	DALI
	1-10V
Light colour	Warm white (3000K)
	Red
	Green
	Blue
Anti-glare baffle	Symmetrical
	Asymmetrical
	Symmetrical, louvred

BEKA Schréder

Experts in lightability™

SABS ISO 9001

www.beka-schreder.co.za

Designed and manufactured by BEKA Schréder (Pty) Ltd

LOCALLY manufactured

2022-03