

# OMNIFLOOD

LED floodlighting solution



**LOCALLY**  
manufactured

# OMNIFLOOD



IP 66

Up to  
IK 08



Up to  
20kV



Full clear glass version



Frame with glass version

## The versatility to light all types of public and professional environments

The aesthetic design of the OMNIFLOOD, in combination with a variety of optical distributions, makes it versatile and thus the perfect choice for lighting recreational sports areas, industrial areas, service stations, campuses, business parks, car parks, building façades and billboards.

The OMNIFLOOD is the ideal luminaire to replace a range of floodlights equipped with traditional discharge lamps up to 400W.



ACCENT &  
ARCHITECTURAL



FAÇADE



SIGNAGE



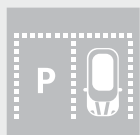
BRIDGE



SERVICE  
STATION



SPORT AREAS



AREA



SECURITY  
LIGHTING



WAREHOUSE

## Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 165W in an ambient temperature (T<sub>a</sub>) environment of up to 25°C, without reducing the useful lifetime of 100,000 hours, at a lumen depreciation of not more than 5% (L95B10)
- One-to-one replacement of HID floodlights up to 400W
- White light with a high colour rendering index
- Schröder ITERRA provides a complete user- and installer-friendly wireless control solution (optional)
- High energy savings compared to systems with traditional discharge lamps due to precise light control
- Designed to easily upgrade or replace the surge protection device, LEDs or drivers
- Long lifetime and low maintenance
- Surge protection 10kV/10kA
- Circular economy 4-star rating
- 5-year warranty <sup>(\*)</sup>

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

# Characteristics

## GENERAL INFORMATION

Recommended installation height	Up to 20m
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	Marine grade high-pressure die-cast aluminium (EN 1706 AC-44300)
Optic	PMMA
Protector	Tempered glass
Housing finish	Unpainted aluminium
Tightness level	IP 66
Impact resistance	Up to IK 08
Access for maintenance	Door with screws enables access to the photometrical engine and electronic compartment

## DIMENSIONS AND MOUNTING

AxBxC (mm)	575x375x50
Weight (kg)	10
Aerodynamic resistance (CxS) (m <sup>2</sup> )	0.1725
Mounting	Stirrup enabling adjustable inclination on-site

## ELECTRICAL INFORMATION

Electrical class	EU class I
Nominal voltage	198-264V – 50Hz
Power factor	> 95% at full load
Surge protection	10kV / 10kA 20kV / 20kA (optional)
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 Schröder ITERRA Integrated daylight switch

## OPTICAL INFORMATION

LED colour temperature	4000K (Neutral white 840) 5700K (Cool white 857)
Colour rendering index (CRI)	≥ 80 (Neutral white 840) ≥ 80 (Cool white 857)
Upward Light Output Ratio (ULOR)	0%

## OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +40°C (*)
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(\*) Depending on the luminaire inclination and driving current and only applicable for outdoor use. For more details, please contact us.

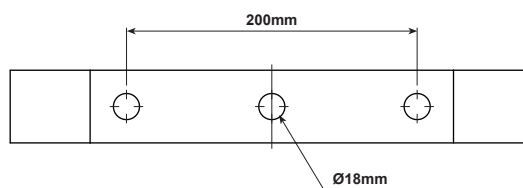
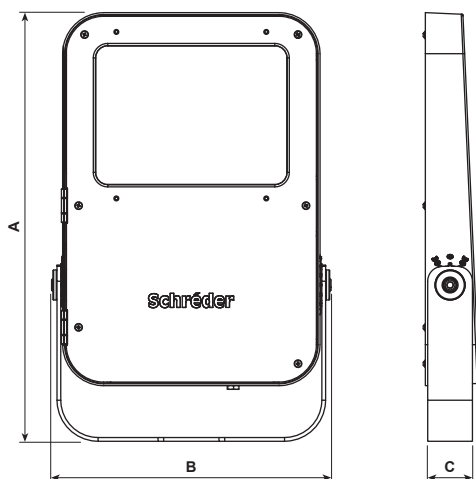
## LIFETIME OF THE LEDS @ TQ 25°C

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



For all versions	100,000h ≤10% failure rate
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For options and accessories, please turn to page 8.



# Performance



				Nominal flux (lm) <sup>(*)</sup>	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)	Photometry <sup>(**)</sup>
Luminaire	Number of LEDs	Driver Current (mA)	Line Current (A)	Typical	Typical	Typical	Typical	Typical	
OMNIFLOOD	80	650	0.72	25199	165	152	22679	137	 

Tolerance on LED flux is  $\pm 7\%$  and on total luminaire power  $\pm 5\%$

<sup>(\*)</sup> 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.

<sup>(\*\*)</sup> Custom combinations of lenses/optics to suit the project are available on request.



## LensoFlex<sup>®</sup>4

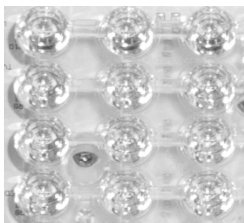


LensoFlex<sup>®</sup>4 maximises the heritage of the LensoFlex<sup>®</sup> concept with a very compact yet powerful photometric engine based upon the addition principle of photometric distribution. The number of LEDs in combination with the driving current determines the intensity level of the light distribution. With optimised light distributions and very high efficiency, this fourth generation enables the products to be downsized to meet application requirements with an optimised solution in terms of investment.

LensoFlex<sup>®</sup>4 optics can feature backlight control to prevent intrusive lighting, or a glare limiter for high visual comfort.



## BlastFlex<sup>™</sup>4

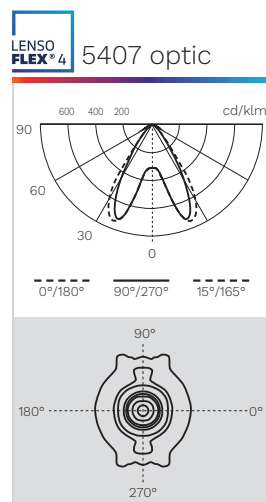
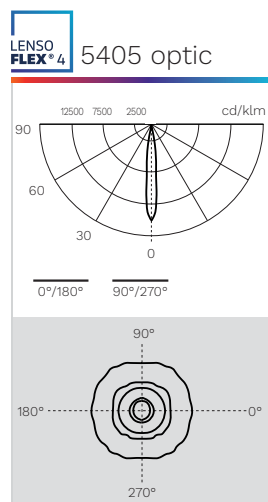
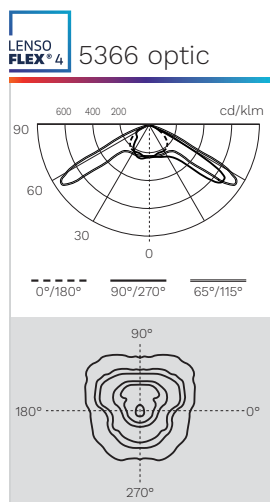
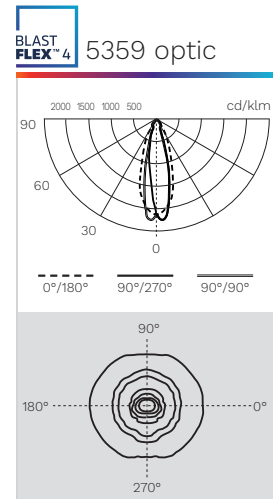
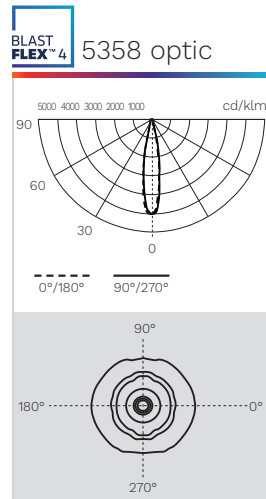
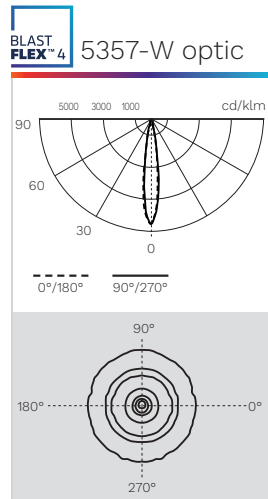
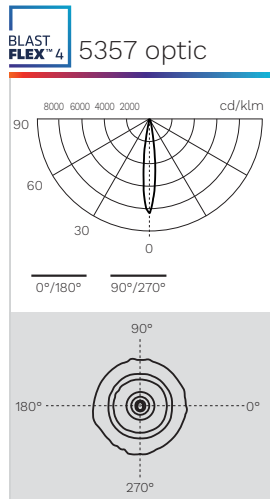
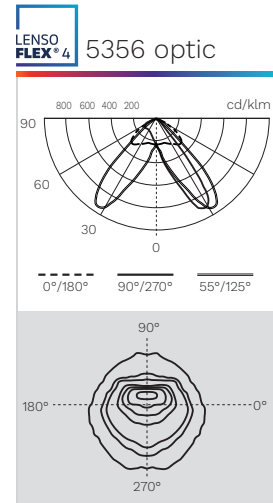
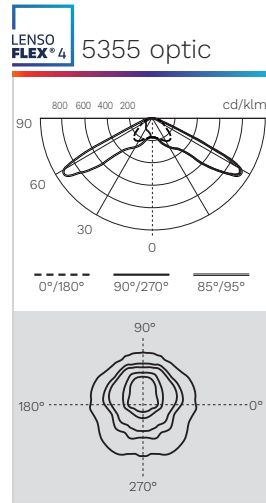
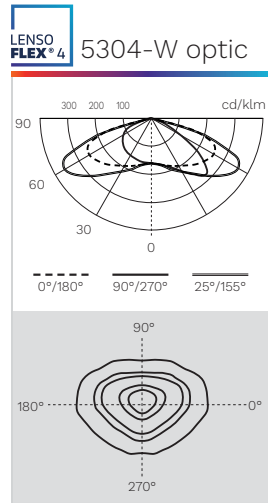
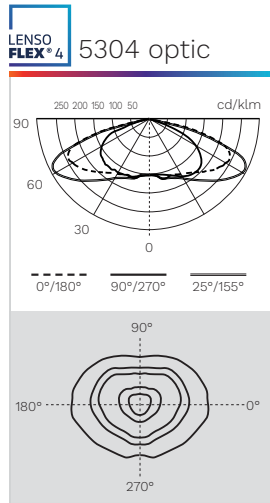


Using collimators made of high-transmission PMMA, the BlastFlex<sup>™</sup>4 photometric engine offers the highest efficiency for directional beams dedicated to specific applications in architectural and sports lighting. The ability to control the light with the highest accuracy reduces light spill in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

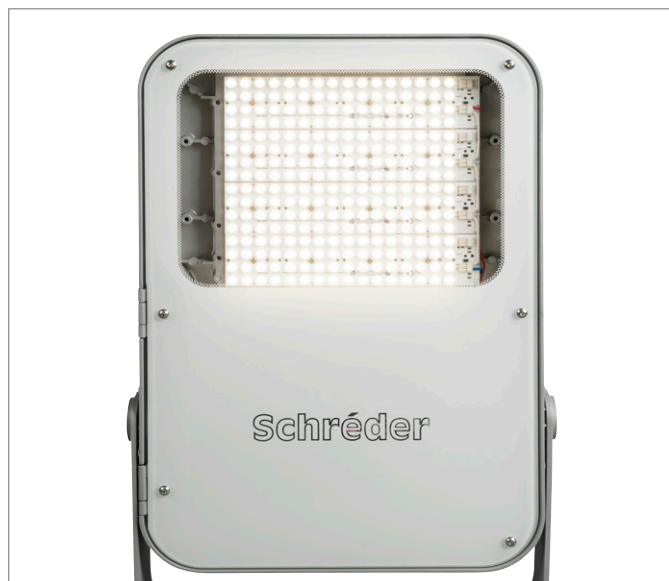


# Light Distributions

Custom combinations of lenses/optics to suit the project are available on request.



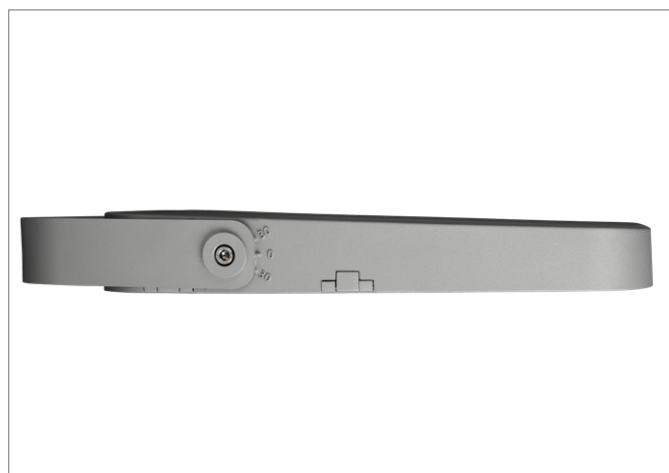
# Key Features



Full clear glass version



Easy access for installation and replacement of components



Aesthetic, sleek design



High-efficient LED light sources with various optical distributions available



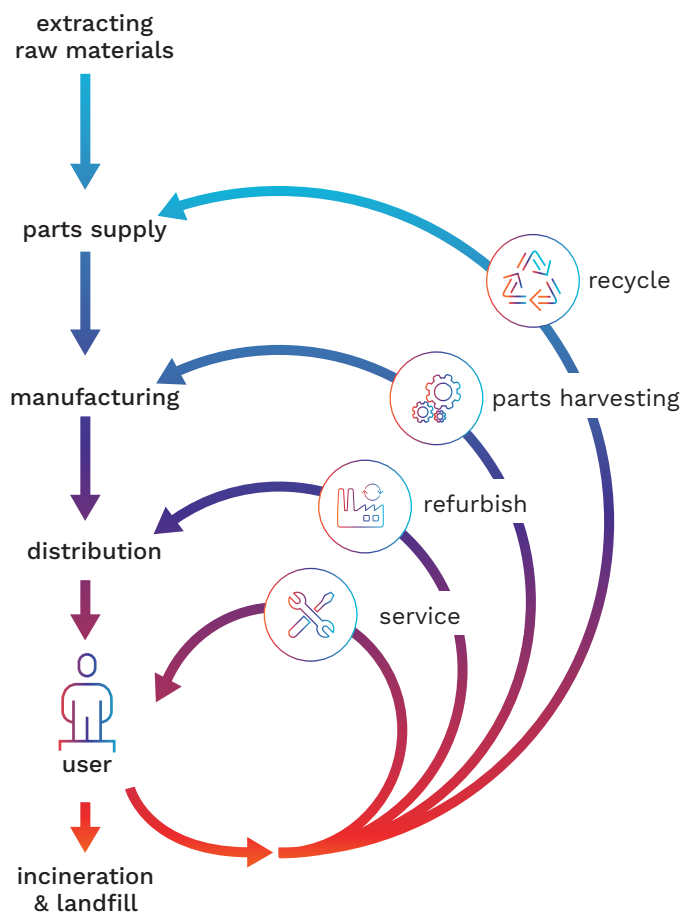
Stirrup mounted



Option for IK 08 rating (frame with glass)



## Circularity concept



## OMNIFLOOD

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 Schröder 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
-  Less than 7 steps to completely disassemble the luminaire

### 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

# Switching/dimming control

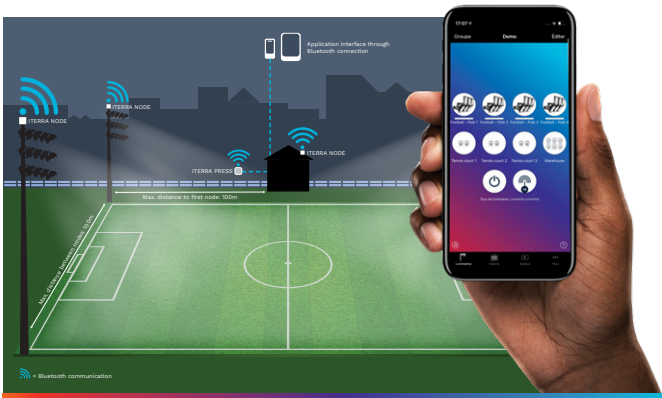


## Schröder ITERRA

Schröder ITERRA provides a complete user- and installer-friendly wireless control solution.

Schröder ITERRA offers site managers a robust, cost-effective and FutureProof platform to run their infrastructure with the utmost flexibility for adapting the lighting to any scenario or event while maximising energy savings and providing the best experience for players, fans and the neighbourhood.

A mobile App based system, Schröder ITERRA is very easy to operate. It comes with a visual interface that users can quickly personalise to the layout and settings of their lighting installation.



# Ordering Information

Example:

OMNIFLOOD 80165N5366A1G

ID	LED	Watt	LED Colour	Optic <sup>(1)</sup>	Colour	Surge Protection	Protector
OMNIFLOOD	80	165	<b>N</b> Neutral white (4000K)	5304	<b>A</b> Aluminium finish (unpainted)	<b>1</b> 10kV	<b>G</b> Frame with glass
				5304-W			<b>F</b> Glass clear (full)
			<b>C</b> Cool white (5700K)	5355	<b>L</b> Pearl Light Grey (RAL 9022), Textured finish		
				5356	<b>B</b> Traffic Black (RAL 9017), Textured finish		
				5357	<b>O</b> Painted Other (RAL / Finish [Brilliant/Matt])		
				5357-W			
				5358			
				5359			
				5366			
				5405			
				5407			

<sup>(1)</sup> Custom combinations of lenses/optics to suit the project are available on request.

## Custom Options

Switching/dimming control	DALI
	1-10V
	Integrated Schröder ITERRA
	Integrated daylight switch
Surge protection	20kV
Light colour	Red
	Green
	Blue
Extra treatment	e-Coating (for very harsh environments)



# BEKA Schröder

Experts in lightability™

**SABS**  
ISO 9001



[www.beka-schreder.co.za](http://www.beka-schreder.co.za)

Designed and manufactured by BEKA Schröder (Pty) Ltd



**LOCALLY**  
manufactured

2023-12

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