

# BEKANOVA

Decorative LED bulkhead range





# BEKANOVA



## Robust and efficient LED bulkhead for outdoor applications

The BEKANOVA is designed for outdoor amenities including industrial, perimeter and security lighting applications. The diffuser has been designed for glare control and high-impact protection, ensuring comfort and longevity of the luminaire. The robust yet classic designed bulkhead with its marine grade high-pressure die-cast aluminium housing is corrosion resistant and versatile, making it suitable for installation in coastal areas.

### Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of 32W without reducing the useful lifetime of up to 50 000 hours, at a lumen depreciation of not more than 30% (L70)
- Ta of up to 40°C
- Designed for energy-efficient lighting with low glare
- Designed to retrofit 70W and 100W high-pressure sodium and mercury vapour installations
- Surge protection 10kV/10kA
- 3 year warranty (Terms and conditions apply)



INDUSTRIAL  
HALLS &  
WAREHOUSES



WAREHOUSE



LOADING BAY



PUBLIC  
BUILDINGS



SHOPPING  
CENTRE



COMMERCIAL  
BUILDINGS

# Characteristics

## GENERAL INFORMATION

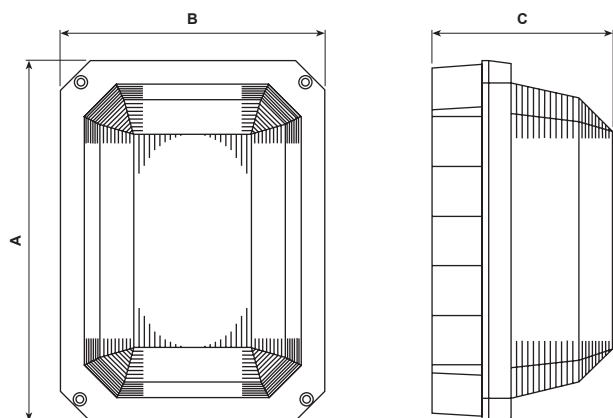
Recommended installation height	Up to 8m
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
ROHS compliant	Yes
Testing standard	SANS 60598, SANS 62262

## HOUSING AND FINISH

Housing	Marine grade high-pressure die-cast aluminium (EN 1706 AC-44300)
Optic	Acrylic PMMA
Protector	Non-discolouring injection moulded high-impact acrylic diffuser Polycarbonate (optional)
Housing finish	Unpainted aluminium
Tightness level	IP 66
Impact resistance	Polycarbonate: IK 10
Access for maintenance	Easy access to the gear compartment

## DIMENSIONS AND MOUNTING

AxBxC (mm)	440x320x217
Weight (kg)	7.4



## ELECTRICAL INFORMATION

Electrical class	EU class I
Nominal voltage	198-264V – 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

## OPTICAL INFORMATION

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

## OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C up to +40°C (*)
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(\*) Depending on the luminaire fixation and driving current. For more details, please contact us.

## LIFETIME OF THE LEDS @ TQ 25°C

For all versions	50,000h - L70B10
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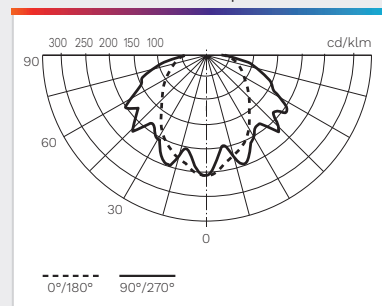
## LIFETIME OF THE DRIVER @ TQ 25°C

For all versions	60,000h ≤10% failure rate
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For options and accessories, please turn to page 5.

## Light Distribution

### BEKANOVA LED optic



# Performance



				Nominal flux (lm) <sup>(*)</sup>	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)
Luminaire	Number of LEDs	Current (mA)	Line Current (A)	Typical	Typical	Typical	Typical	Typical
BEKANOVA LED	96	350	0.15	5840	32	182	4370	136

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

<sup>(\*)</sup> The nominal flux is an indicative LED flux @ Tj 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.

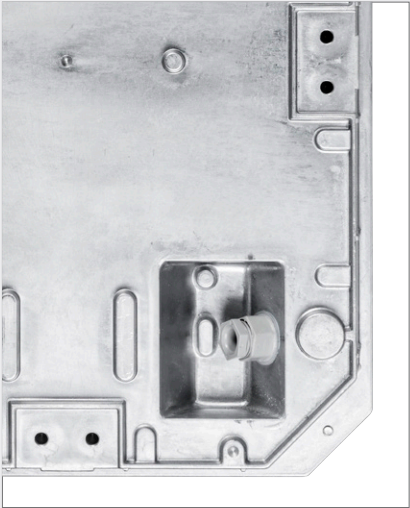
# Construction Details

The BEKANOVA has been designed to operate LED light sources of 32W without reducing the useful lifetime of up to 50 000 hours, at a lumen depreciation of not more than 30% (L70). To maximize the reliability of the LEDs, the photometric engine and control gear compartment are completely sealed to IP 66. This ensures that the photometric performance is maintained over time.

The body is manufactured from marine grade high-pressure die-cast aluminium (EN 1706 AC-44300). It is supplied with three mounting holes, but can also be supplied with no holes in the body, using mounting lugs instead, on request. Electrical cable entry is via a compression type gland at the rear of the luminaire, but other entries can be provided on request. A high-pressure die-cast aluminium decorative skirt assembly is available for architectural applications. The body can be semi-recessed or surface mounted.

The diffuser is manufactured from non-discolouring injection moulded high-impact acrylic. The prisms are restricted to the inside of the diffuser and are designed to provide a spacing to mounting height ratio of up to 8:1, whilst controlling excessive glare. The frame assembly is held to the body by four stainless steel M6 Allen head captive screws located outside the sealed lamp compartment.

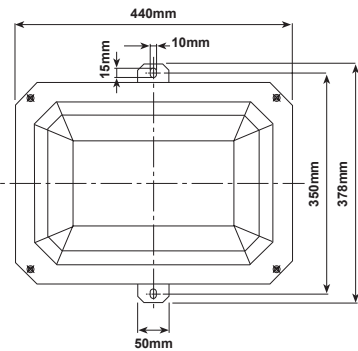
The control gear is mounted directly onto the body to provide optimum heat dissipation. All external screws, bolts and metal parts are stainless steel or non-corrosive material.



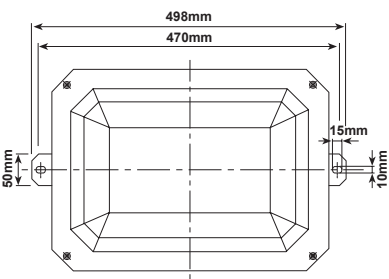
Cable entry from the back

# Mounting Options

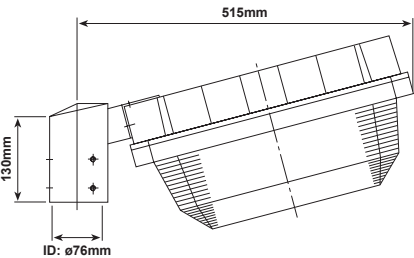
Mounting lugs short axis assembly



Mounting lugs long axis assembly



Spigot mounting



# Ordering Information

Example:

BEKANOVA LED32NA1AmuHCWGh

ID	Watt	LED Colour	Colour options	Surge Protection	Protector	Mounting	Other options
BEKANOVA LED	32	<b>N</b> Neutral White (4000K) <b>W</b> Warm White (3000K)	<b>A</b> Aluminium finish (unpainted) <b>B</b> Traffic Black (RAL 9017), Textured finish <b>O</b> Painted Other (RAL / Finish [Brilliant/ Matt])	<b>1</b> 10kV	<b>A</b> Acrylic <b>P</b> Polycarbonate	<b>mu</b> Mounting lugs (unpainted) <b>mp</b> Mounting lugs (painted) <b>BE</b> Bottom entry pole mounted <b>+H</b> Wall mounted (no lugs)	<b>DS</b> Decorative skirt assembly (painted only) <b>HC</b> Helicoils <b>WGh</b> Wireguard (for acrylic diffuser only) <b>WGs</b> Wireguard stainless steel (for acrylic diffuser only)

# 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



2020-01

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