

# SERIES 300

Decorative and highly efficient LED bulkhead



**LOCALLY**  
manufactured

# SERIES 300



## Elegant, discreet, high quality

The SERIES 300 with its modern and simple design allows this LED bulkhead to blend into any areas by day, and to make an impact when it is dark.

The SERIES 300 with its halo lighting effect is the ideal solution to beautify buildings and to provide area lighting for commercial developments, retail areas, shopping malls and public buildings.

High-quality materials are used to ensure a high ingress protection and non-discolouring diffuser. This, together with the long lifetime of the LEDs, and an easy installation procedure, makes the SERIES 300 the bulkhead of choice.

## Key advantages

- Designed and manufactured in South Africa
- Sophisticated design for ease of installation without compromising product lifetime
- High-quality materials for long lasting performance
- Low profile and highly aesthetical appearance
- Uniform light and low glare
- Designed for coastal and other harsh environmental conditions
- Highly efficient > 123lm/W and long lasting LED technology
- FutureProof and upgradable
- Minimum 50 000hrs useful lifetime (L70B10)
- 3 year warranty (Terms and conditions apply)



PUBLIC BUILDING



SHOPPING CENTRE



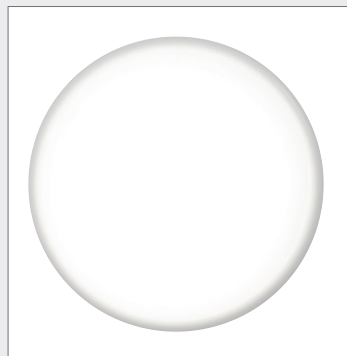
COMMERCIAL BUILDING



SPORT AREA



SECURITY LIGHTING



The SERIES 300 with its halo lighting effect is the ideal solution to beautify buildings.



High-quality materials are used to ensure a high ingress protection and non-discolouring diffuser.

# Characteristics

## GENERAL INFORMATION

Recommended installation height	2m to 4m
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	High-pressure die-cast aluminium
Diffuser	High-impact acrylic <sup>(*)</sup>
Housing finish	Black (RAL 9017), Textured finish
Tightness level	IP 65
Access for maintenance	Easy access to the gear compartment

<sup>(\*)</sup> Suitable for Food & Beverage industry

## DIMENSIONS AND MOUNTING

ØA (mm)	Ø290
ØB (mm)	Ø265
C (mm)	67
Weight (kg)	Standard version: 2.2
	Emergency version: 2.45

## ELECTRICAL INFORMATION

Electrical class	EU class I
Nominal voltage	220-240V - 50Hz
Power factor	> 90% at full load
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 840)
Colour rendering index (CRI)	≥ 80 (Neutral white 840)

## OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C to +35°C
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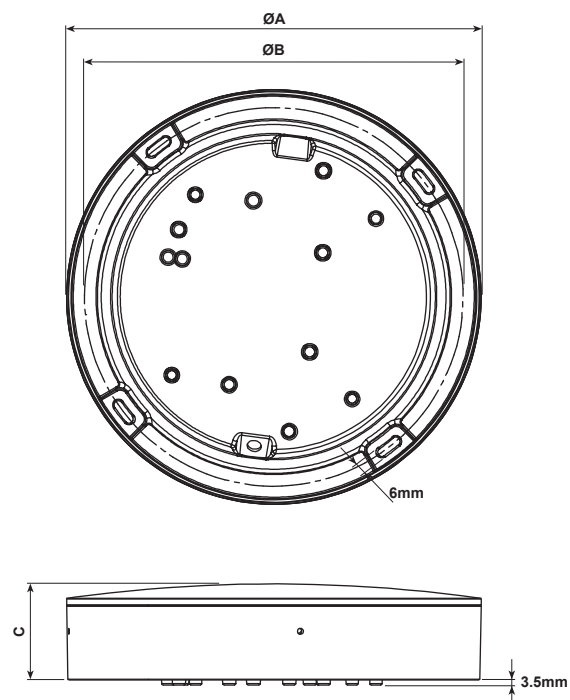
## LIFETIME OF THE LEDS @ TQ 25°C

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

For all versions	100,000h ≤10% failure rate
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For options and accessories, please turn to page 5.



# Performance



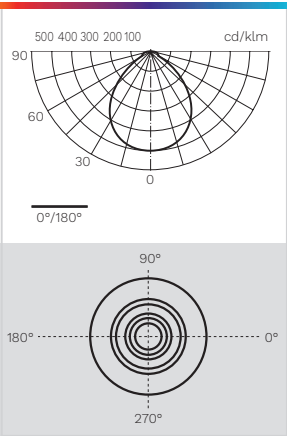
			Nominal flux (lm) <sup>(*)</sup>	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)
Luminaire	Number of LEDs	Line Current (A)	Typical	Typical	Typical	Typical	Typical
SERIES 300	90	0.09	2670	21	123	1792	97
SERIES 300 (Emergency version)	90	0.09	2670 / 267 (EM)	21	123	1792	97

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 Distribution

SERIES 300





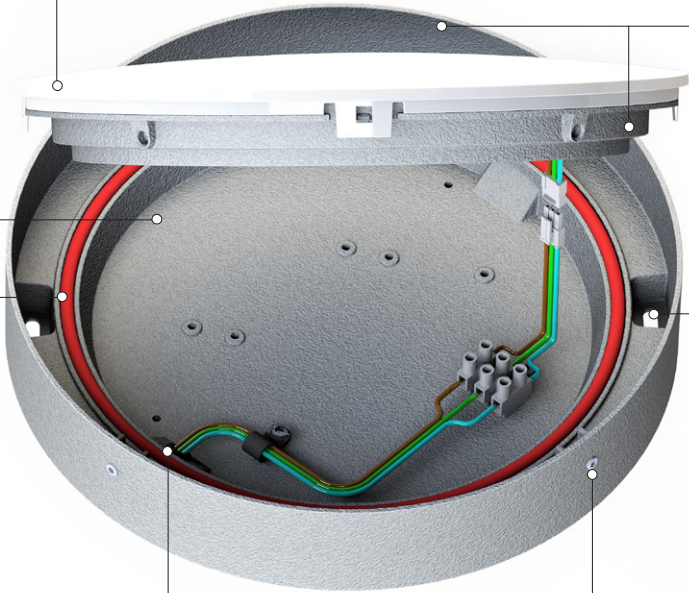
# Key Features

Sealed LED compartment for ease of maintenance and ensuring general product lifetime expectancy.

Sufficient space for optional emergency battery and gear.

Tongue provided on the base casting to fit into the silicon sponge gasket seated in the diffuser, thus achieving SABS certified IP 65 protection.

The grommet provided in the base casting allows the feeding through of the Teflon® wiring supplied, thus ensuring integrity of IP 65 rating.



Housing manufactured from high-pressure die-cast aluminium.

Four mounting holes provided outside the lamp compartment, ensuring the integrity of the certified IP rating and simplifies installation.

The mounting holes are raised 2mm from the base, preventing rainwater from running over the luminaire surface, and are also offset from the main axis in order to prevent accidental damage to conduits during the installation process.

Optional stainless steel helicoils for harsh corrosive environmental conditions.

# Ordering Information

Example:

SERIES300 21W NW BL E HC

ID	Watt	LED Colour	Colour options	Other options
SERIES300	21W	NW Neutral White (4000K) WW Warm White (3000K)	BL Black (RAL 9017), Textured finish WH White (RAL 9016), Textured finish PL Pearl Light Grey (RAL 9022), Textured finish PO Painted Other (RAL / Finish [Brilliant/Matt])	E Emergency version 1 hour  HC Stainless steel helicoil inserts

# 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



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2021-09

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