

Bobcat P Category Street Light



The Bobcat P Category residential streetlight has been developed from the ground up and has been specifically designed for the Australian P Category (residential/pedestrian) streetlighting, complying with AS/NZS TS 1158.6. It uses the latest generation LED technology and optical distribution. Whilst simple yet elegant in style, this fixture is future ready with latest offering of DALI-2 D4i driver NEMA and Zhaga connectors for both streetlighting controls and smart city sensors. It features information programming into the driver for enhanced asset management information especially when used with a lighting control system.

It comes standard with a flat visor (aeroscreen) to minimise skylight pollution and has a total system power of only 11W ensuring energy efficiency while maintaining optimal performance.

Robust design and construction to assist simple installation, ensuring long life and ease of maintenance, thereby enhancing the long term sustainability of the fixture.



Applications

- Designed specifically to meet P Categories of Australian/New Zealand roadway lighting standards.
- Direct one-for-one replacement for 32/42 CFL, 2x14W/2x24W T5, 50W & 80W MV lamps.

Electrical

- Energy efficient 11W to 35W total system power consumption and AEMO listed.
- DALI-2 D4i IP67 rated driver with >200,000 hours rated life.
- Input voltage 220-240V, 50/60Hz.
- IP65 rated tool-less serviceable surge protection device rated 20kV/10kA ($I_{max}=20kA$) to IEC 61643 with end of life LED indicator
- System power factor > 90% and THD <20%.
- Class I & Class II insulated.

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LED & Optical Performance

- Utilises unique LED lens and latest LED technology to achieve maximum compliance with AS/NZS 1158.3 Category P lighting standards for road, car parks, and paths.
- Optical chamber independently sealed to IP66
- CCT 2200K, 3000K and 4000K
- Upward light output (ULOR) = 0
- Complies with AS NSZ 1158.3 disability glare (DGI) requirements.
- Standard version is flat visor (aeoscreen) but bowl visor available for either factory or in the field installation for glare control. In addition to masked visors, front, back and 360 degree glare shields available.
- To protect the light even further from vandalism & theft we can offer wire guards as an accessory.

Controls



- DALI-2 D4i dimmable programmable driver, provides dimming, information registration and provides power to the DALI bus and control devices, such as light sensors and occupancy sensors.
- 7-Pin NEMA socket that meets the ANSI C136.10 and C136.41 requirements.
- Optional Zhaga Book 18 Ed3 socket to support sensors/IoT devices.

Finish

- Polyester power coat finish.
- Silver grey (RAL 9006) standard colour. Black and special RAL 9005 colours available on request.
- Aluminium Alloy high corrosion resistant LM6 suitable for marine/coast environments.

Mounting

- Horizontal mounting position with 27mm to 34mm side spigot entry as per AS 1798.
- Adjustable mounting arrangement 0/-5 degrees.
- Internal spirit level to assist straight installation preset at factory.

Housing

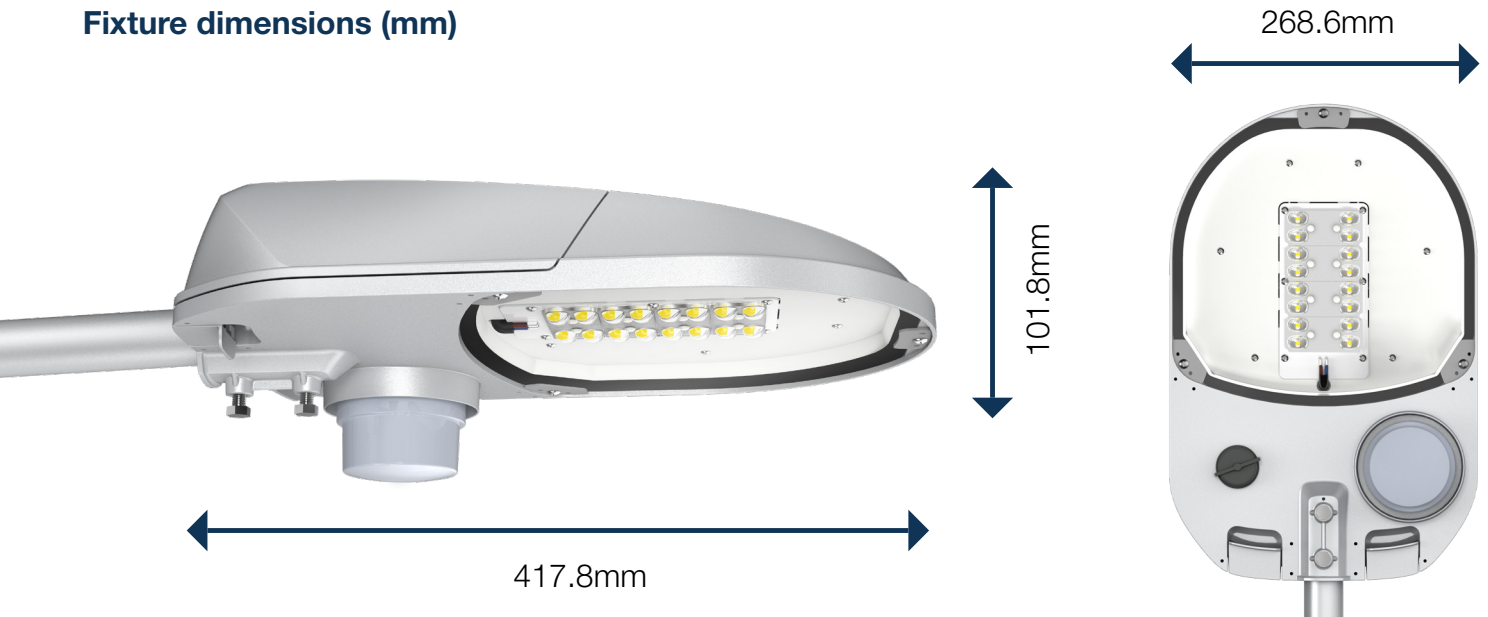
- IK08 impact rated plus extra protection of wire guard where required.
- Available as IP44 protection for control gear chamber.
- Tool-less, top entry to control gear chamber.
- Weighing 4.22kg

Standards & Environment

- Complies with technical specification SA/SNZ TS 1158.6: – Luminaires Performance.
- Meets ANSI 2G vibrations standard.
- EMC complaint to AS/NZS CISPR15.
- Complaint with RoHS2 – Restriction of Hazardous Substances Directive (EU) 2017/2102.
- Ambient operating temperature -40 to +50 Degrees Celsius.

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Fixture dimensions (mm)



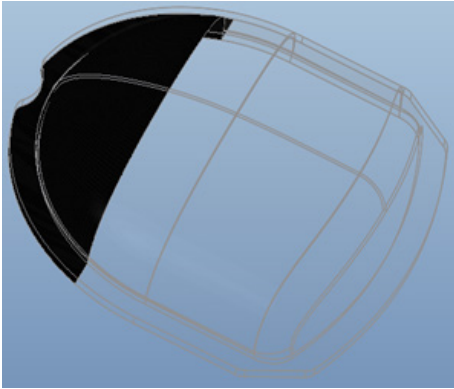
Order Logic

Product ID	Visor Type	System Power	Electrical Class Type	Colour Temperature	Dimming Functions	Finish Colour	IP Rating	Upcast Angle
BC = Bobcat	A = Full Cutoff (aero) B = Semi-Cutoff (bowl)	11 = 11W 12 = 12W 13 = 13W 16 = 16W 17 = 17W 18 = 18W 23 = 23W 35 = 35W	1 = Class 1 2 = Class 2	22 = 2200K 30 = 3000K 40 = 4000K	D2 = Dali-2 D2i = Dali-2-D4i D2iZG = Dali-2 D4i + Zhaga	SG = Silver Grey (RAL9006) BK = Jet Black (RAL9005)	44 = IP44 66 = IP66	zt = 0 degrees (zero tilt) nt = -5 degrees (negative tilt)

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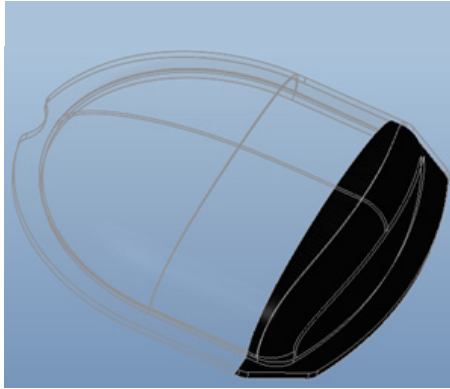
Accessories

BCVMF



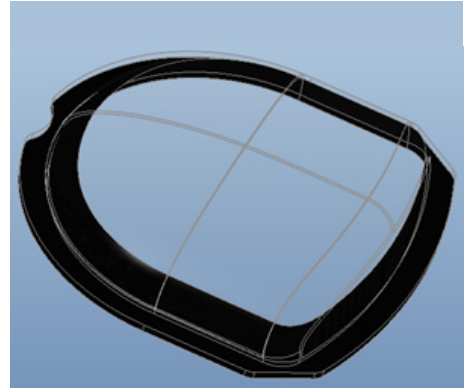
Masked visor for glare shielding at the front of the luminaire

BCVMB



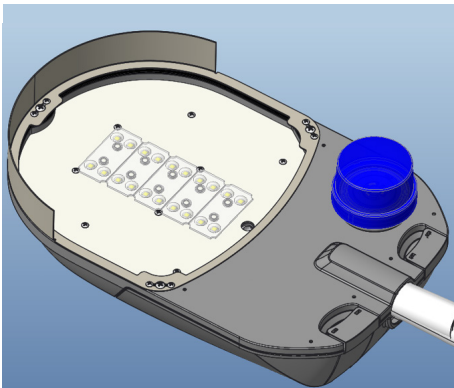
Masked visor for glare shielding at the back of the luminaire

BCVM360



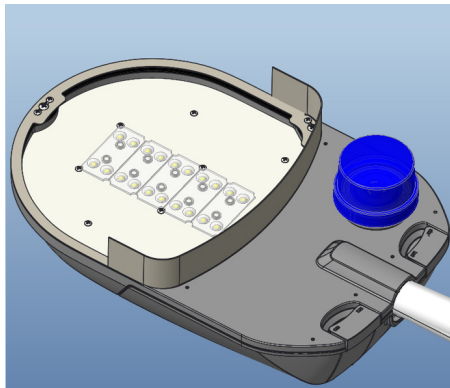
360 degree masked visor

BCGSF



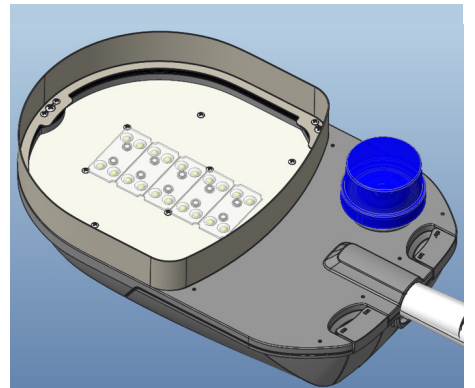
Glare shielding at the front of the luminaire

BCGSB



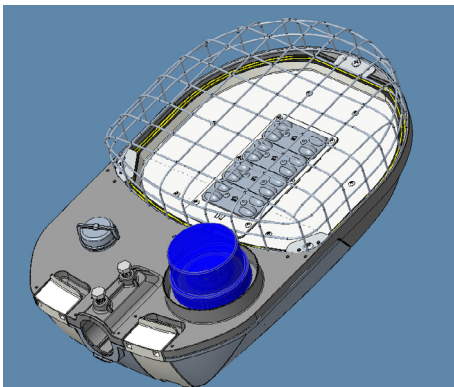
Glare shielding at the back of the luminaire

BCGS360



360 degree glare shielding

BCWG



Wire guard