



 COOLON

BNS

75W Batten Light

The BNS LED light is the perfect and ultimate upgrade for your standard fluorescent setup.

Built to last for many years at a time without replacement or repair, the BNS alleviates you of any lighting-related problems. A perfect fit for the dimensions of its fluorescent predecessor,

The BNS offers an effortless transition to robust, bright, and reliable lighting.

Providing an exceptional power of 75W at 230VAC input voltage, the BNS delivers uninterrupted high-quality light, efficient energy consumption, high Colour Rendering Index and no stroboscopic effect.

Reliable uninterrupted performance. Brilliant light. Reduced TCO. All coincide within the BNS.

Designed for use in:

- Workshops
- Switchboard / Switchrooms
- Access Areas
- Car Parks
- Walkways
- Stairwells



DESIGNED &
MANUFACTURED
IN AUSTRALIA

High Lumen Output

Providing double the light of an average LED batten, the BNS offers high lumen output, energy efficiency and no stroboscopic effect.

Perfect Upgrade

Designed to provide an effortless upgrade from the common fluorescent setup, BNS features standard dimensions while delivering twice the light.



COOL SURFACE TEMPERATURE

Coolon's Industrial LED fittings have a much lower surface temperature than traditional HID equivalents which prevents dirt from baking onto the luminaire. This allows for easier cleaning and will prolong the lifespan of the luminaire.



NO FLICKERING

LED luminaires run on constant low voltage DC power and do not produce any visible stroboscopic effects, thus reducing the strain on eyes and significantly improving safety in areas where moving machinery is present.



LOW SUSCEPTIBILITY TO VIBRATION

This luminaire is designed to handle continuous exposure to vibration. A typically critical issue affecting the life and operation of most common gas discharge lamp based light sources is mechanical shock and vibration.

5
YEARS

5 YEARS FACTORY WARRANTY

Coolon luminaires are covered by a solid comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



INSTANT ON/OFF

LEDs do not require warm up. Instant on to 100% output translates to no downtime, improved safety and the ability to utilize sensor switching to significantly save energy.

IP66

HIGH IP RATING - IP66

Coolon's Industrial LEDs are designed specifically to withstand the harsh conditions in mining environments. The robust design allows our LED products to be used in many different applications and are high pressure washable.

L70

LONG USEFUL OPERATING LIFE

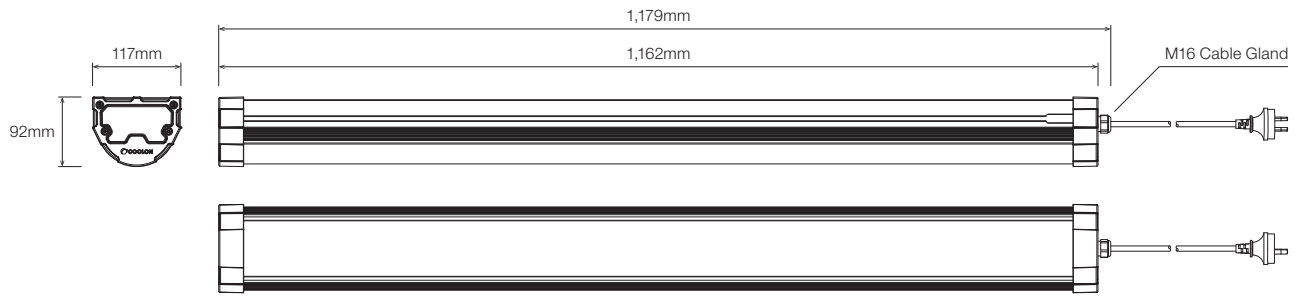
At Coolon we believe the lifetime of a luminaire is so much more than just the LED's. Coolon product lifetime takes the entire luminaire into consideration and each product is backed by a comprehensive warranty – that's the Coolon confidence.



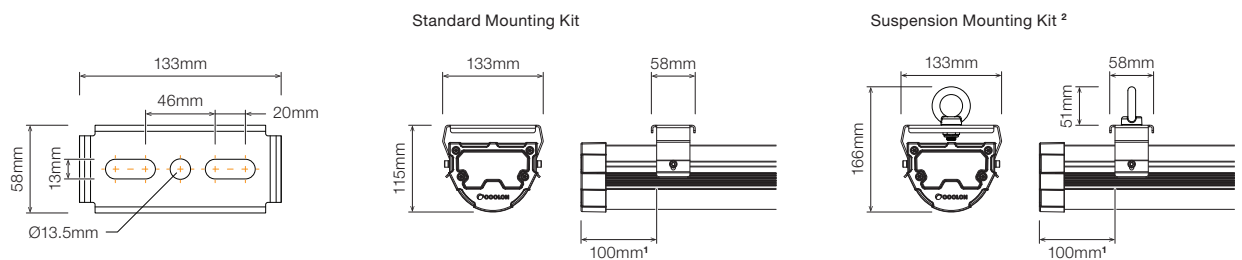
DESIGNED AND BUILT FOR AUSTRALIAN CONDITIONS

Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

DIMENSIONS



MOUNTING BRACKET



¹ Note: Recommended minimum distance from endcap (both sides)

² Note: Lanyard / chain not provided by Coolon

TECHNICAL SPECIFICATIONS

Product	BNS Batten Light
Model	BNS
Optical Characteristics	
Luminous Flux (Photometered)	8,605 lm
CCT	NWT
CRI	>70
Electrical Characteristics (Luminaire)	
Power Consumption	75W
Nominal Voltage	230VAC
Voltage Range	176 – 305VAC, 47 – 63Hz
Power Factor (PF)	0.96 @ 220VAC
Total Harmonic Distortion (THD)	20% at 220 – 277VAC, 50 – 60Hz 10% at 220 – 240VAC, 50 – 60Hz
Inrush and Leakage Currents ^{2 3}	
Peak Inrush Current (A) @230V	35.2
Duration - twitdth (ms)	0.005
I ² t (A ² S)	0.01
Leakage Current (mA)	<0.75mA @ 230V / 60Hz
Maximum number of luminaires per MCB @ 230V ⁴	
B16	27
C16	32
D16	37

Cable Characteristics	
Cable Type	Standard 2 core flex with molded 2 pin AU plug
Cable Length	1,200mm
Cable Diameter	7.5mm
Environmental	
IP Rating	IP66
Impact Rating	IK09
Operating Temp. Range	-20 to +50°C
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Body)	AL 6000 Series, Polyester Powder Coated
Material Composition (Cover)	PC
Material Composition (Bracket)	Stainless Steel
Mounting / Bracket Type	Surface Mount / Hook Mount
Weight/Packaging	
Luminaire Weight	6kg
Packaging Dimensions	1,300 x 150 x 100mm
Warranty	
Warranty	5 years warranty as standard

¹ Optical and electrical characteristics are measured using Neutral White LEDs (NWT)

² Note: At 230VAC input, 25°C cold start, 10%lpk-10%lpk.

³ Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

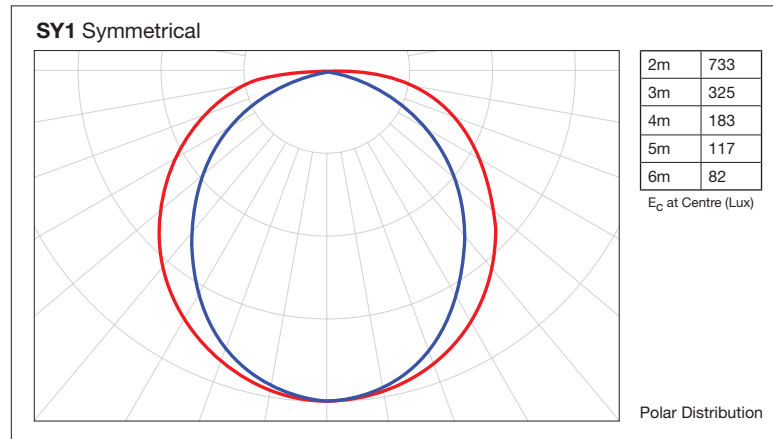
⁴ Number of Luminaires is subject to relative MCB properties, assuming a 30mA leakage current limit and MCB steady state current load not exceeding 60%, 70% and 80% for the B, C, D type MCB respectively.

COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

ILLUMINANCE AT DISTANCE



ORDERING EXAMPLE

BNS - 70 - NWT - SY1 - MP

PRODUCT TYPE COLOUR TEMPERATURE OPTICS SUPPLY OPTION

PRODUCT	TYPE	COLOUR TEMPERATURE	OPTICS	SUPPLY OPTION
BNS	70 75W	NWT Neutral White	SY1 Symmetrical / Diffuser	MP Mains Powered