



 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 70W 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 BNS.

Designed for use in:

- Workshops
- Switchboard / Switchroom
- Access Areas
- Carparks
- Walkways
- Stairwells





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

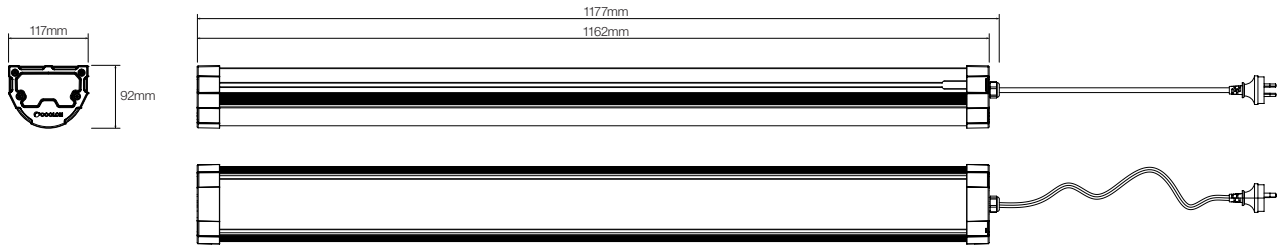
Currently available specification from world's most reputable LED manufacturers states 50,000 hours of continuous operation at the rated current within the operating temperature range to 70% residual light output.



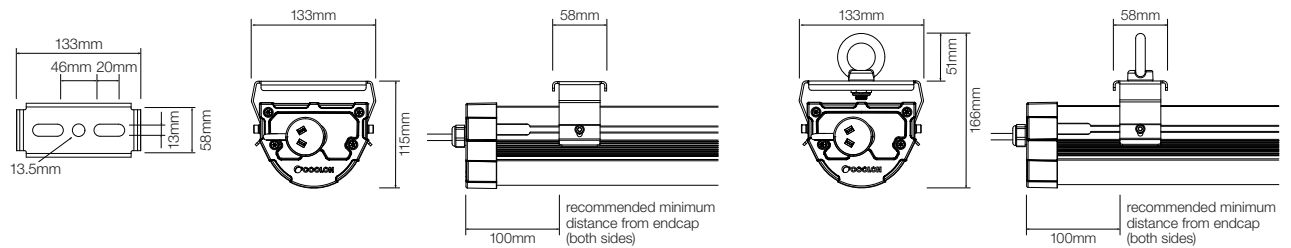
DESIGNED AND BUILT FOR AUSTRALIAN CONDITIONS

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



*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
Inrush Current (I ² t) ¹	1.12 A ² s
Total Harmonic Distortion (THD)	20% At 220-277VAC, 50-60Hz 10% At 220-240VAC, 50-60Hz
Leakage Current	0.70mA @ 240VAC, 60Hz
Cable Characteristics	
Cable Type	Standard 2 core flex with molded 2 pin AU plug
Cable Length	1200mm
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	1300 x 150 x 100mm

Warranty	
Warranty	5 years warranty as standard

¹Note: At 220VAC input, 25° cold start, duration=528µs, 10%Ipk-10%Ipk. See Inrush Current Waveform for the details.

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

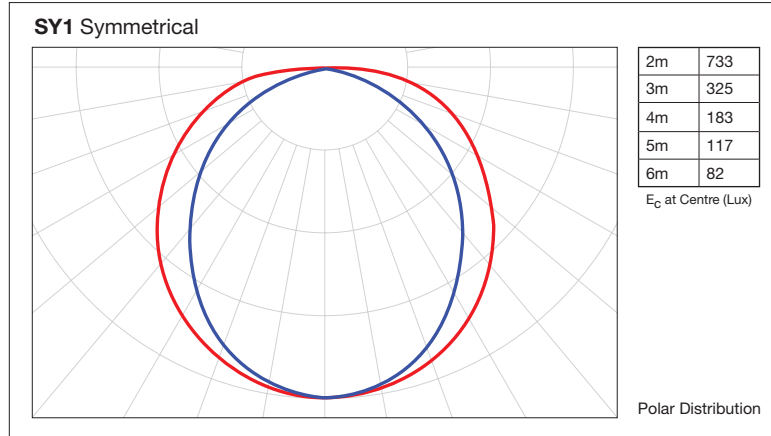
Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

COLOUR TEMPERATURES

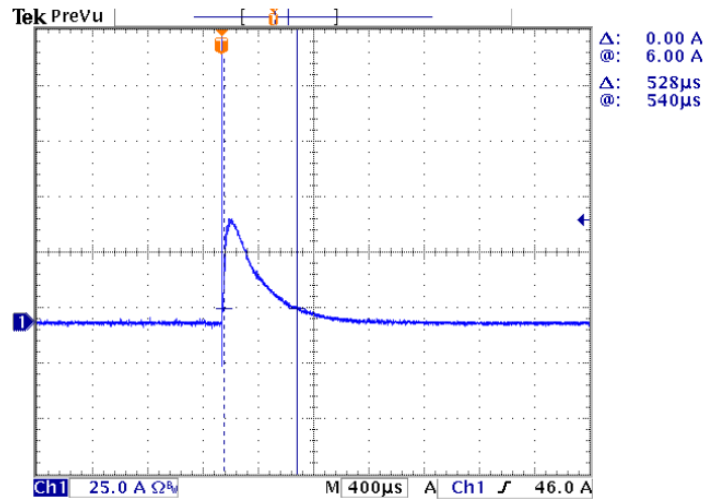


All colour temperatures are indicative. Some variation can occur.

ILLUMINANCE AT DISTANCE



INRUSH CURRENT WAVEFORM



ORDERING EXAMPLE

BNS - 70 - NWT - SY1 - MP

PRODUCT TYPE COLOUR TEMPERATURE OPTICS SUPPLY OPTION

BNS 70 70W NWT Neutral White SY1 Symmetrical / Diffuser MP Mains Powered