



LOW BAY

LED Fluorescent Replacement

The Low Bay Industrial LED Luminaire is a long-life, powerful, and energy efficient alternative to fluorescent and metal halide low bay light fixtures.

Designed for use in factories, warehouses, mines and other industrial environments, this luminaire is produced in an easy-to-install, simple, compact and robust format that doesn't require special wiring or ballast.

Designed with energy savings in mind, the luminaire also provides natural white light and high colour rendering - all the traits necessary for good visibility. With no warm up time needed, facility managers can be assured of the comfort and safety of their personnel wherever these luminaires may be used.

Designed for use in:

- Drift Tunnels
- Industrial Tunnels
- Low Bay
- Troffer Replacement
- Workshops



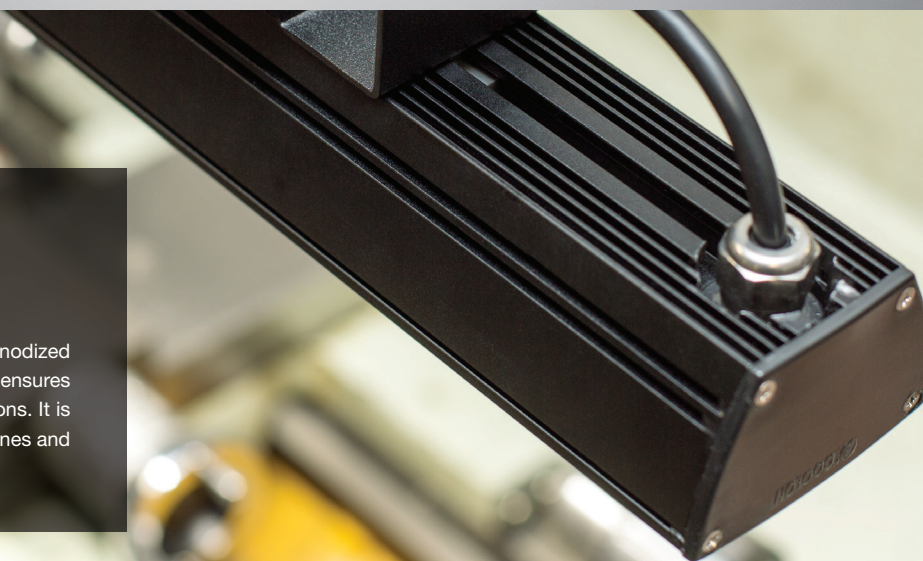


Simple fluorescent replacement

The Low Bay LED is designed specifically to easily substitute single- and double-tube fluorescent low bay fittings.

Robust and virtually indestructible

The Low Bay LED consists of a single anodized aluminium extrusion. This solid construction ensures maximum rigidity for all demanding applications. It is designed for use in factories, warehouses, mines and other industrial environments.



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.



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.



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.



QUALITY WHITE LIGHT W/ HIGH CRI

This luminaire emits light with a spectrum closely resembling that of a natural daylight with relatively high colour rendering index (typical CRI of between 75 – 80), enabling excellent colour differentiation.



UNRESTRICTED BURNING POSITION

Coolon's LED luminaires can be positioned and oriented in any desired way without affecting the lifespan of the product. This gives greater flexibility when it comes to aiming angles and orientation.

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.

3
YEARS

3 YEARS FACTORY WARRANTY

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

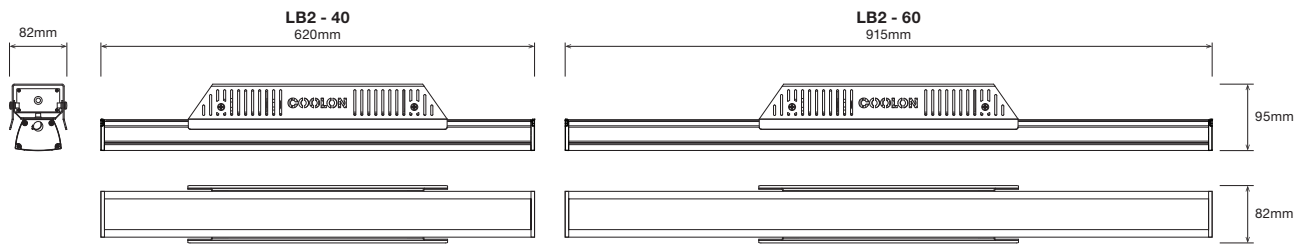


PROUDLY MADE IN AUSTRALIA

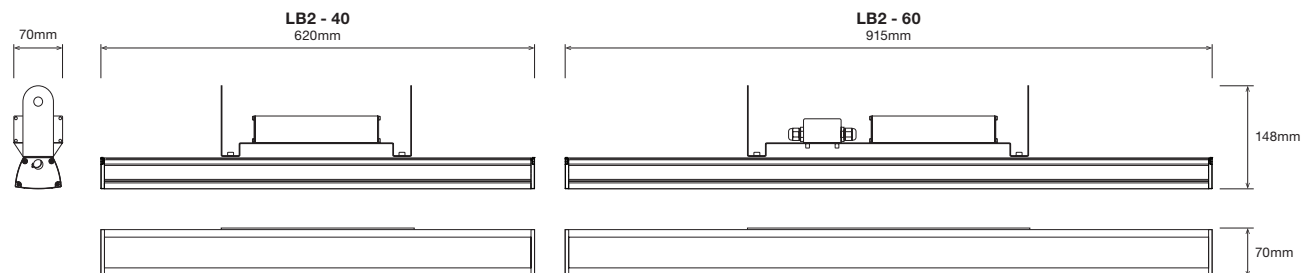
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

DIMENSIONS

LB2 Low Bay Luminaire with Stainless Steel Hood



LB2 Low Bay Luminaire with Suspended Bracket



TECHNICAL SPECIFICATIONS

Product

Model	LB2-40	LB2-60
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Optical Characteristics

Luminous Flux (Photometered)	2628 lm	3830 lm
CCT	4850K	
CRI	80+	

Electrical Characteristics (Luminaire)

Power Consumption	43W	65W
Voltage Range	90 – 295VAC / 127 – 417VDC	
Frequency Range	47 – 63Hz	
Power Factor	>0.95	
Leakage Current	<0.75mA / 277VAC	
Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC	
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH	
EMC Emission	Compliance to EN55015, EN61000-3-2 Class C (≥ 60% load) ; EN61000-3-3	
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, EN55024, light industry level (surge 4KV), criteria A	

Environmental

IP Rating	IP66
Operating Temp. Range	-20 – +50°C
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Body)	Aluminum Alloy (Marine Grade Black Anodized)
Material Composition (Optics)	Protective Polycarbonate Clear Cover
Material Composition (Bracket)	Stainless Steel / Powder Coated Steel
Mounting/Bracket Type	Hood / Suspended

Weight/Packaging

	LB2-40	LB2-60
Luminaire Weight	3kg	3.4kg
Packaging Dimensions	700 x 190 x 190mm	1000 x 190 x 190mm
Packaging Weight	3.5kg	4.0kg

Warranty

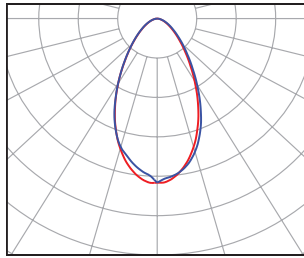
Warranty	3 years warranty as standard. 5 years extended warranty optional.
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ILLUMINANCE AT DISTANCE

LB2 - 40

1.5m	500
2m	288
2.5m	193
3m	136
3.5m	103
4m	80

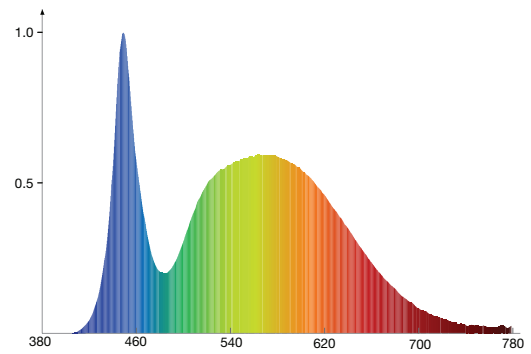
E_c at Centre (Lux)



Polar Distribution

SPECTRAL DISTRIBUTION

LB2 - 40



CCT	4850K
Rendering Ind	79.0
Flux	2628lm
Effi	61.1lm/w
Radiant	7451.6mW

ORDERING EXAMPLE

LB2 - 40 - SSH - MP

PRODUCT	TYPE	MOUNTING	SUPPLY OPTION
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PRODUCT	TYPE	MOUNTING	SUPPLY OPTION
LB2	Low Bay	SSH	Stainless Hood
		SBR	Suspended Bracket
	40		MP
	60		Mains Powered