



 **COOLON**

BUTCH

75W/150W/240W LED Flood Light

Versatile and high performing flood light

The Butch is a robust and versatile flood light that has been carefully engineered with feedback from mining maintenance crews.

Available in 75W, 150W or 240W with a range of beam options, multiple mounting angles and various CCT choices including wildlife/turtle-friendly amber with Dark Sky compliance.

Designed for use in:

- Area Lighting
- Draglines
- Exterior Walls
- Flood Lighting
- Security Lighting
- Workshops
- Billboards





Built to last

Unlike conventional LED floodlights, the Butch LED luminaire was designed to withstand constant abuse.

- Resistant to Vibration
- Impact / Shock Proof
- Chemical Resistant
- High Pressure Washable
- Unaffected by Severe Temperature Variations

Dark Sky Compliant



Light should be directed where it is needed. Lighting pollution is exacerbated by misdirected light, which impacts astronomical observatories, disturbs nocturnal animals, and wastes energy.

The Butch LED Luminaire is available in a Dark Sky compliant option.



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.

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.



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.

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.

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.

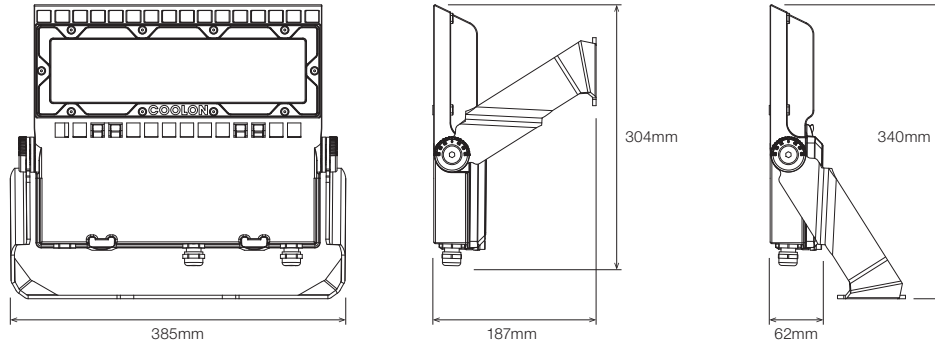


DESIGNED AND BUILT FOR AUSTRALIAN CONDITIONS

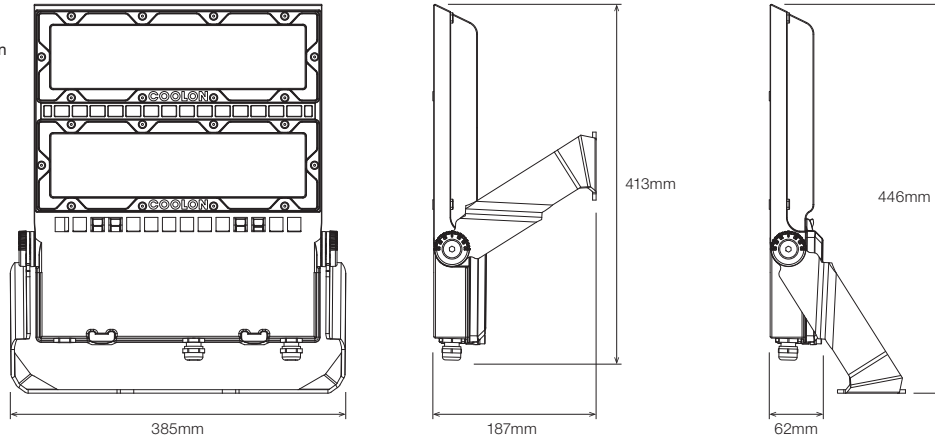
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

DIMENSIONS

BLF-75 / BLF-150
Butch LED Floodlight
75W / 150W Version



BLF-240 Butch LED
Floodlight 240W Version



TECHNICAL SPECIFICATIONS

Product	BUTCH LED Flood Light			
Model	BLF-75	BLF-150	BLF-240	
Optical Characteristics ¹				
Luminous Flux (Photometered)	9,500 – 15,000 lm	14,500 – 27,000 lm	21,000 – 40,000 lm	
CCT	CWT	NWT	WWT	AMB
CRI	73.5	73.5	71.6	58.6
Electrical Characteristics (Luminaire)				
Power Consumption	85W Typical	160W Typical	250W Typical	
Nominal Voltage	230VAC			
Voltage Range	200 – 440VAC / 285 – 550VDC			
Frequency Range	50 – 60Hz			
Power Factor	≥0.98 / 230VAC			
Inrush and Leakage Currents ^{2,3,4}				
Peak Inrush Current (A) @230	10	11	10	
twitdth (ms)	2.1	1.8	2	
I ² t (A ² s)	0.24	0.25	0.23	
Leakage Current	<0.75mA / 440VAC			
Max Number of Luminaire per Breaker/MCB @ 230 VAC				
B16	6	6	7	
C16	11	10	9	
D16	22	16	10	

Environmental	
IP Rating	IP66
Impact Rating	IK09
Salt Spray Tested	Yes
Operating Temp. Range	-20°C to +50°C
Thermal Management Type	Active/Continuous
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Body)	LM6 Aluminium Alloy
Material Composition (Optics)	Polycarbonate
Cable Entry Options	2 x M20
Cable Diameter	7 – 10mm

Weight/Packaging	75W / 150W	240W
Luminaire Weight	6.1kg	7.6kg
Packaging Dimensions	440 x 440 x 130mm	550 x 440 x 130mm
Packaged Weight	7.5kg	9kg

Certification	
Australia RCM	

Compliance Standard	
AS/NZS 60598.1	
AS/NZS 60598.2.1	
AS CISPR 15	
LM-79	
DS_43	

Warranty	
Warranty	5 years warranty as standard

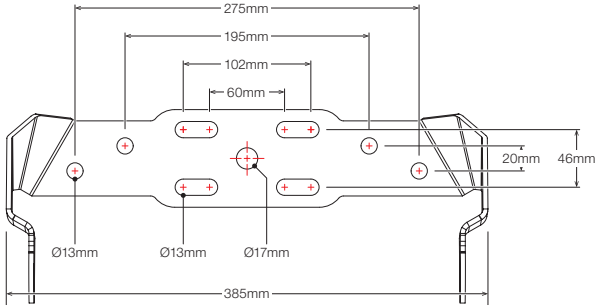
¹ Optical and electrical characteristics are measured using Cool White LEDs (CWT)

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.

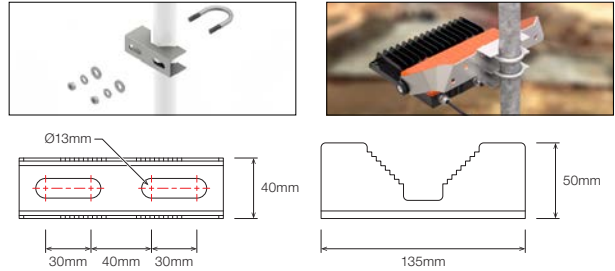
⁴ Number of Luminaires is subject to relative Breaker/MCB properties, assuming a 30mA leakage current limit and Breaker/MCB steady state current load not exceeding 60%, 70% and 80% for the B, C, D type Breaker/MCB respectively.

BRACKET FOOTPRINT

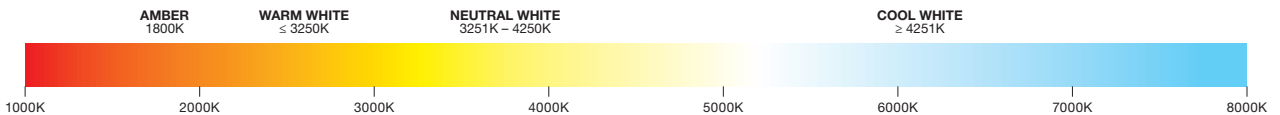


ACCESSORIES

Optional U-Bolt Pole Mounting Clamp Kit x 2 (available separately)
Refer to industrial accessories brochure or visit coolon.com.au to download now.

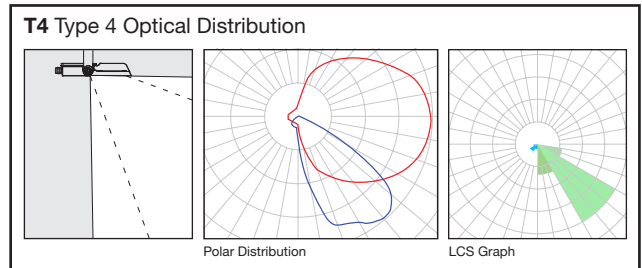
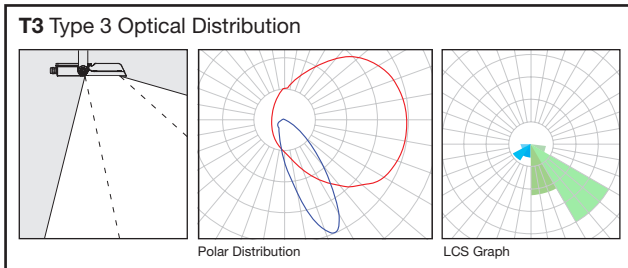
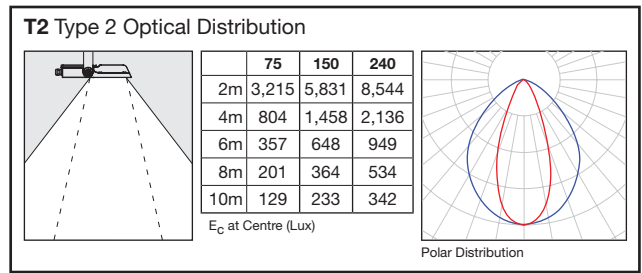
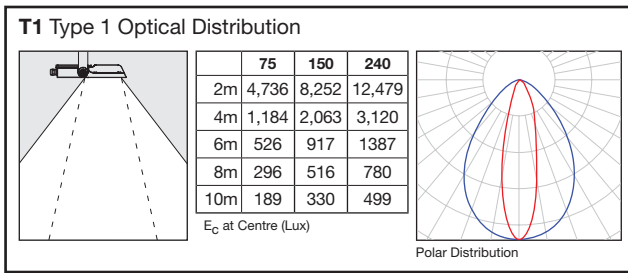


COLOUR TEMPERATURES



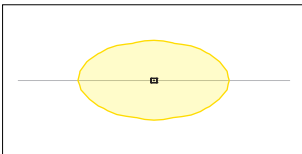
All colour temperatures are indicative. Some variation can occur.

ILLUMINANCE AT DISTANCE

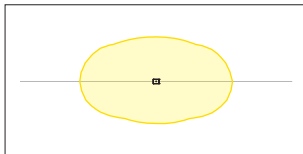


ISOLUX

T1 (Type 1)



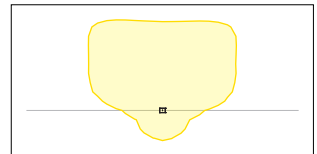
T2 (Type 2)



T3 (Type 3)



T4 (Type 4)



ORDERING EXAMPLE

BLF - 240 - NWT - T3 - MP

PRODUCT TYPE COLOUR TEMPERATURE BEAM SUPPLY OPTION

PRODUCT	TYPE	COLOUR TEMPERATURE	BEAM	SUPPLY OPTION
BLF Butch LED Floodlight	75 75W Version	CWT Cool White	T1 Type 1 Optical Distribution	MP Mains Powered
	150 150W Version	NWT Neutral White	T2 Type 2 Optical Distribution	
	240 240W Version	WWT Warm White	T3 Type 3 Optical Distribution	
		AMB Amber	T4 Type 4 Optical Distribution	