

 **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

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.

**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.

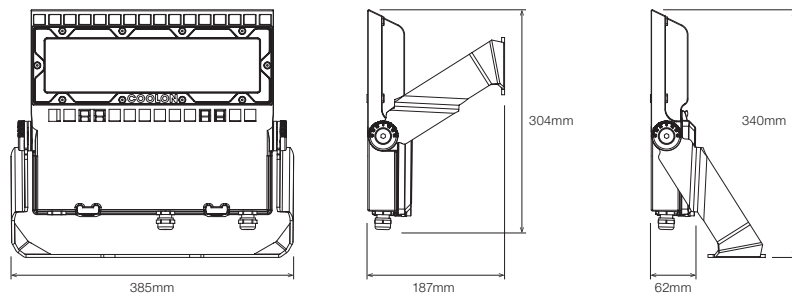


### DESIGNED AND BUILT FOR AUSTRALIAN CONDITIONS

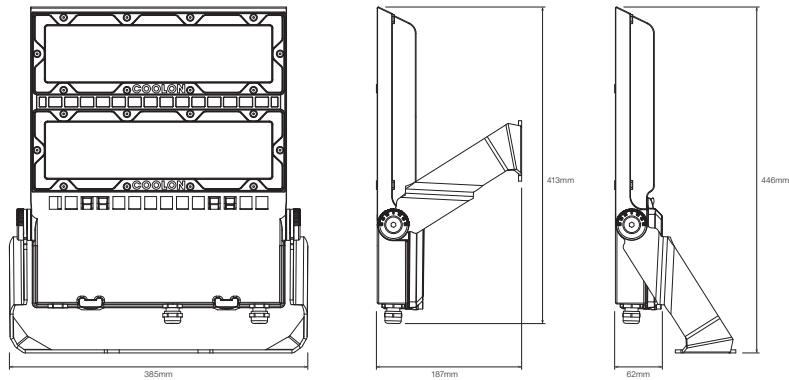
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

## DIMENSIONS

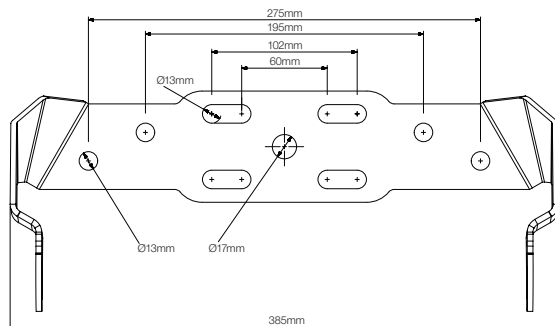
### BLF-75 / BLF-150 Butch LED Floodlight 75W / 150W Version



### BLF-240 Butch LED Floodlight 240W Version

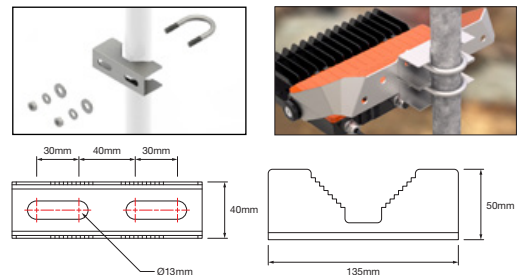


## MOUNTING BRACKET



## ACCESSORIES

**Optional U-Bolt Pole Mounting Clamp Kit x 2**  
(available separately) refer to industrial accessories brochure.  
visit [coolon.com.au](http://coolon.com.au) to download now.



## TECHNICAL SPECIFICATIONS

Product	BUTCH LED Flood Light		
Model	BLF-75	BLF-150	BLF-240
Optical Characteristics			
Luminous Flux (Photometered)	9,333 – 10,036 lm	19,118 – 21,775 lm	27,674 – 31,175 lm
CCT	CWT / NWT / WWT / AMB		
CRI	>70 excluding Amber		
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		
Leakage Current	<0.75mA / 440VAC		

<b>Environmental</b>	
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 – 13mm

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

<b>Warranty</b>	
Warranty	3 years warranty as standard 5 years extended warranty optional

<sup>1</sup> Optical and electrical characteristics are measured using Cool White LEDs (CWT)

<sup>2</sup> 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.

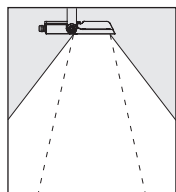
## COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

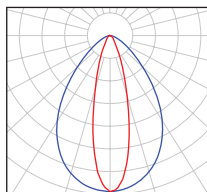
## ILLUMINANCE AT DISTANCE

### T1 Type 1 Optical Distribution



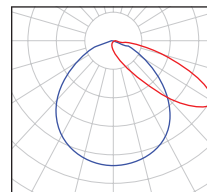
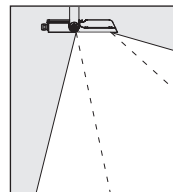
	75	150	240
2m	3,017	6,079	9,726
4m	754	1,520	2,431
6m	335	675	1,081
8m	189	380	608
10m	121	243	389

$E_c$  at Centre (Lux)



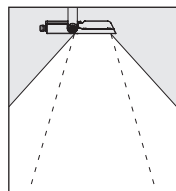
Polar Distribution

### T3 Type 3 Optical Distribution



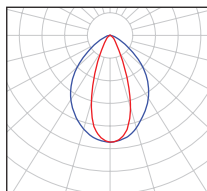
Polar Distribution

### T2 Type 2 Optical Distribution



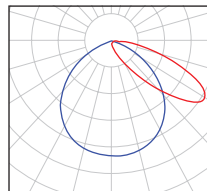
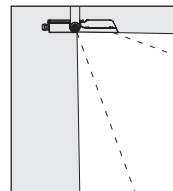
	75	150	240
2m	3059	4,706	7,530
4m	765	1,177	1,882
6m	340	523	837
8m	191	294	471
10m	122	188	301

$E_c$  at Centre (Lux)



Polar Distribution

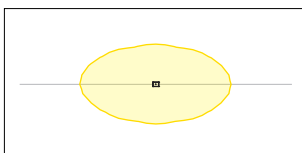
### T4 Type 4 Optical Distribution



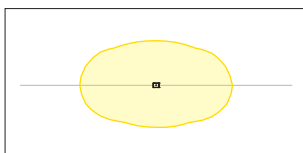
Polar Distribution

## ISOLUX

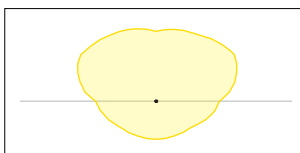
### T1 (Type 1)



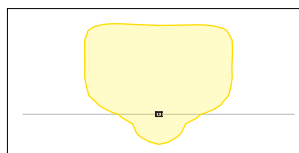
### T2 (Type 2)



### 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	