



 COOLON

BUTCH 2

300W/600W LED Flood Light

Versatile and high performing flood light

Engineered for the toughest industrial environments, Butch 2 is the next generation of high-performance industrial flood lighting. Designed with cutting-edge technology, it delivers exceptional power in an ultra-lightweight form. Featuring a robust, aerodynamic design, advanced cooling capabilities, and seamless digital connectivity, Butch 2 ensures maximum efficiency, durability, and intelligent control for any application.

Designed for use in:

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

 DESIGNED &
MANUFACTURED
FOR AUSTRALIAN
CONDITIONS



Aerodynamic & Thermal Excellence

Designed for enhanced wind resistance and superior heat dissipation, Butch 2 operates at peak efficiency while maintaining a sleek and rugged profile.

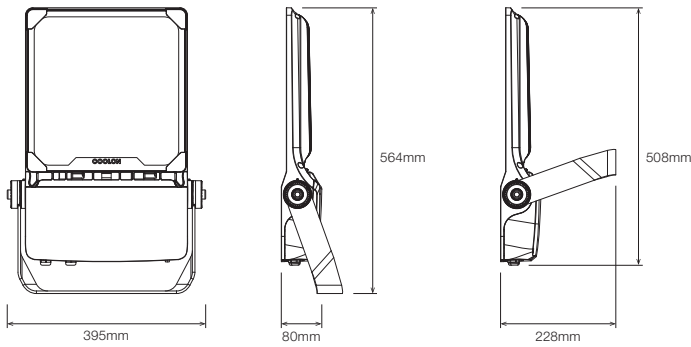
Hardened Glass Technology

The innovative hardened glass cover resists dirt buildup and extreme environmental factors, maintaining optical clarity for longer and reducing maintenance needs.

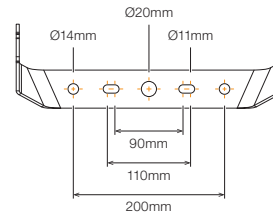


DIMENSIONS

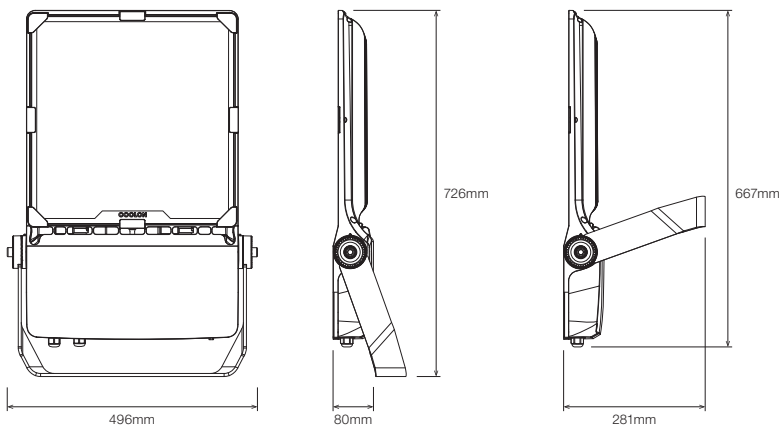
BLF2-300 Butch 2 LED Floodlight 300W Version



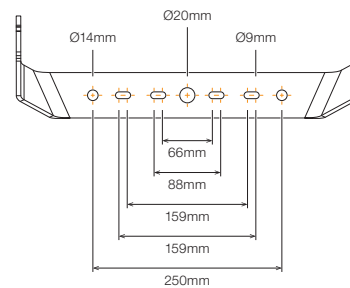
BLF2-300 Bracket Footprint



BLF2-600 Butch 2 LED Floodlight 600W Version



BLF2-600 Bracket Footprint



TECHNICAL SPECIFICATIONS

Product	Butch 2 LED Flood Light	
Model	BLF2-300	BLF2-600
Optical Characteristics		
Luminous Flux (Photometered)	45,000 – 54,000 lm	90,000 – 108,000 lm
CCT	CWT / NWT / WWT / AMB	
CRI	>70 excluding Amber	
Electrical Characteristics (Luminaire)		
Power Consumption	300W Typical	600W Typical
Nominal Voltage	230VAC	
Voltage Range	100 – 277VAC / 220 – 240VAC	
Frequency Range	50 / 60Hz	
Power Factor	≥0.90 / 230VAC	
Surge Protection	10KV	

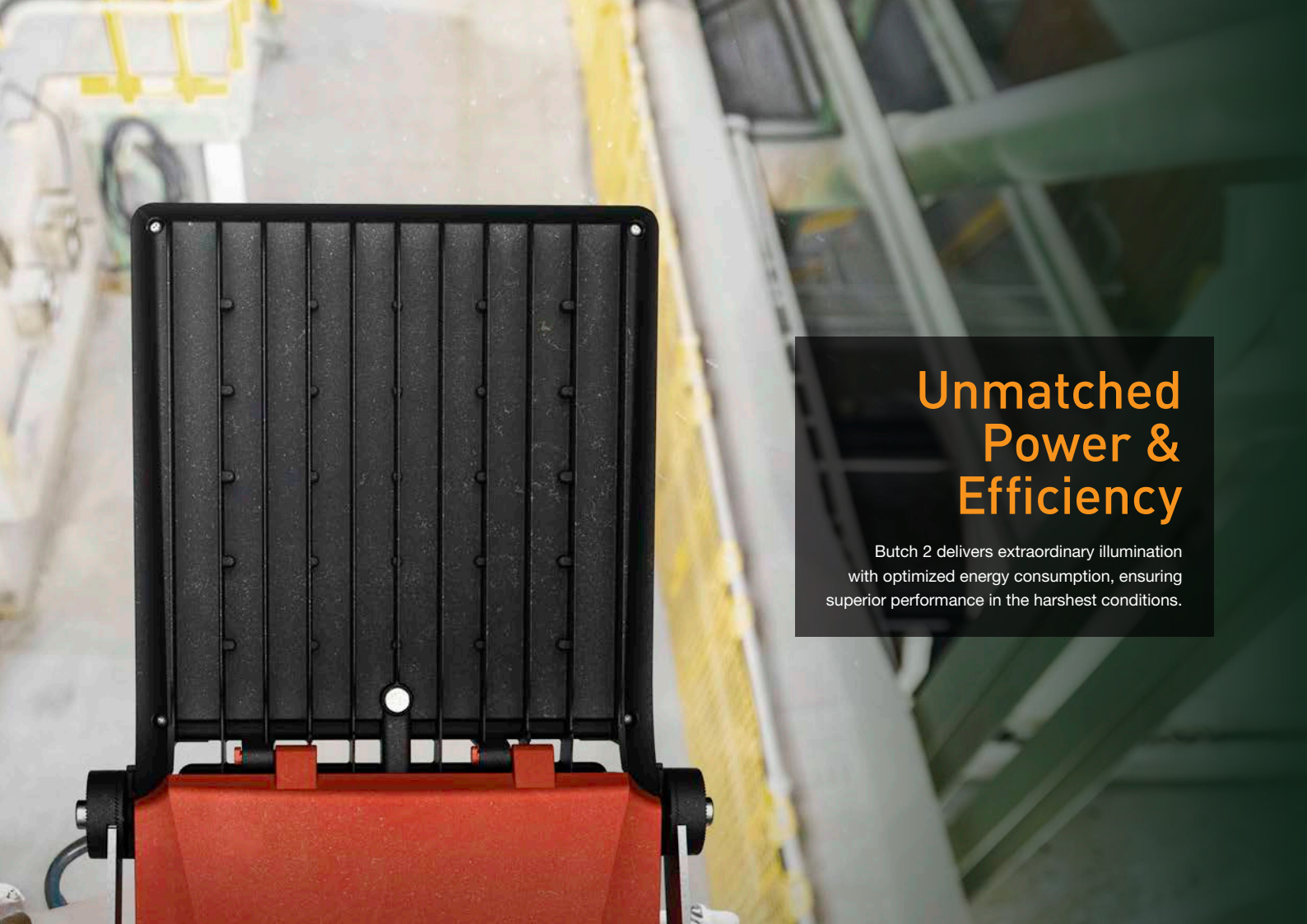
Environmental	
IP Rating	IP66
Impact Rating	IK09
Salt Spray Tested	Yes
Operating Temp. Range	-20°C to +50°C
Thermal Management Type	Active/Continuous
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Body)	Aluminium Alloy
Material Composition (Optics)	Polycarbonate + Glass
Cable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

Weight/Packaging	300W	600W
Luminaire Weight	8.5kg	14kg
Packaging Dimensions	640 x 420 x 150mm	790 x 540 x 150mm
Packaged Weight	10kg	15kg

Warranty	
Warranty	5 years warranty as standard

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

² 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.



Unmatched Power & Efficiency

Butch 2 delivers extraordinary illumination with optimized energy consumption, ensuring superior performance in the harshest conditions.



Smart Connectivity with BitCortex Cloud

Butch 2 integrates seamlessly with BitCortex Cloud, enabling real-time monitoring, remote diagnostics, and dynamic control for optimized performance and predictive maintenance.

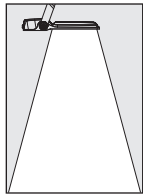
COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

ILLUMINANCE AT DISTANCE

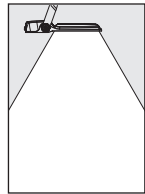
L30 Narrow Optical Distribution



	300W	600W
2m	33,532	67,063
4m	8,117	16,234
6m	3,570	7,139
8m	1,998	3,995
10m	1,274	2,549

E_c at Centre (Lux)

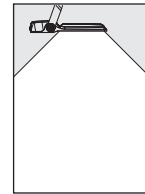
L60 Medium Optical Distribution



	300W	600W
2m	13,193	26,384
4m	3,193	63,86
6m	1,404	2,808
8m	786	1,572
10m	502	1,002

E_c at Centre (Lux)

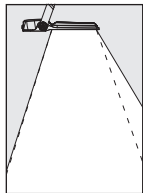
L90 Wide Optical Distribution



	300W	600W
2m	7,795	15,589
4m	1,888	3,774
6m	830	1,660
8m	464	928
10m	296	592

E_c at Centre (Lux)

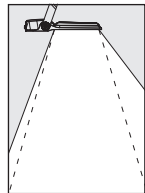
T3B Asymmetric Type 3 Optical Distribution



	300W	600W
2m	2,622	5,243
4m	635	1,270
6m	280	558
8m	156	312
10m	100	199

E_c at Centre (Lux)

NB-P60 Asymmetric Type 4 Optical Distribution

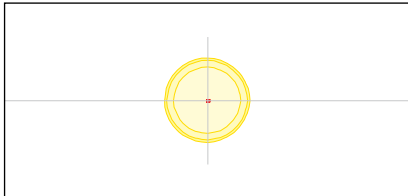


	300W	600W
2m	1,875	3,750
4m	469	938
6m	208	417
8m	117	234
10m	75	150

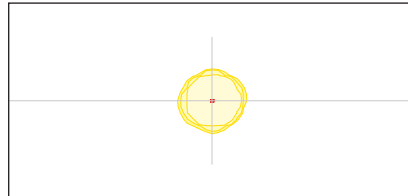
E_c at Centre (Lux)

ISOLUX

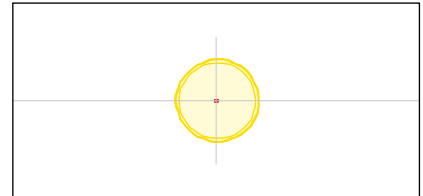
30 Narrow



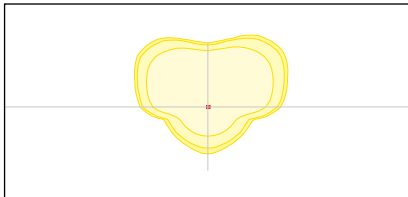
60 Medium



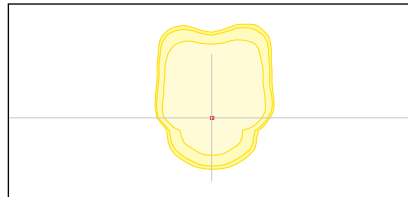
90 Wide



T3B Asymmetric Type 3



NB-P60 Asymmetric Type 4



ORDERING EXAMPLE

BLF2 - 300 - NWT - T3B - MP

PRODUCT TYPE COLOUR TEMPERATURE BEAM SUPPLY OPTION

PRODUCT	TYPE	COLOUR TEMPERATURE	BEAM	SUPPLY OPTION
BLF2 Butch 2 LED Floodlight	300 30W Version	CWT Cool White	L30 Narrow Optical Distribution	MP Mains Powered
	600 600W Version	NWT Neutral White	L60 Medium Optical Distribution	
		WWT Warm White	L90 Wide Optical Distribution	
		AMB Amber	T3B Asymmetric Type 3 Optical Distribution	
			NB-P60 Asymmetric Type 4 Optical Distribution	