



 **COOLON**

CP66

320W LED Flood Light

The CP66 LED Light optimises the latest from Coolon's LED lighting technology to deliver the most powerful and robust flood light for heavy industrial applications.

Designed and manufactured in Australia using only the highest quality components, the CP66 LED luminaire is designed specifically for industrial applications where reliability and performance are paramount.

Every component of the CP66 LED luminaire has been carefully engineered to provide the most reliable performance and bring across many benefits of utilizing solid state lighting technology in industrial applications.

CP66 LED luminaire is rated IP66 and is suitable for both indoor and outdoor use.

The wide range of available optics allows it to be well-adopted for almost any application.

Designed for use in:

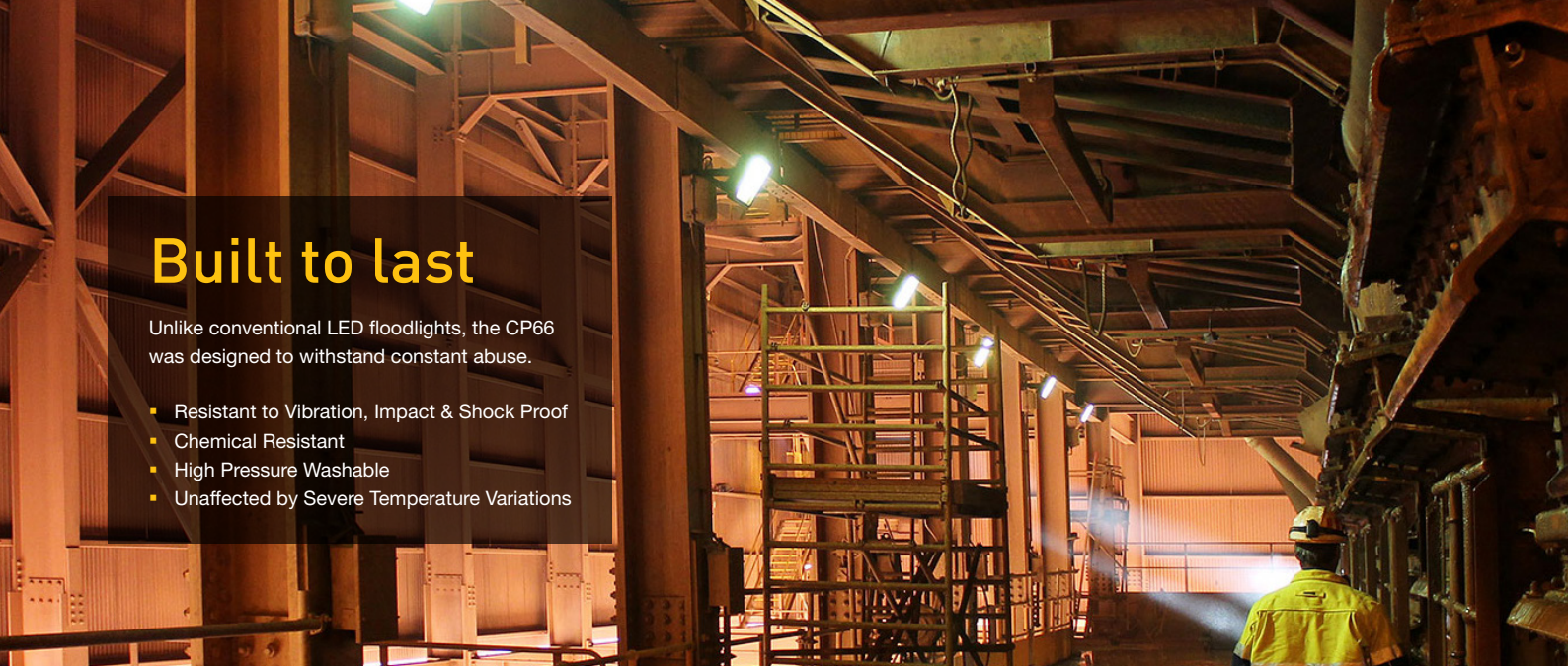
- Crushers
- Flood Lighting
- Large Open Spaces
- Lighting Towers
- Processing Plants
- ROM Bins
- Switching Yard
- Warehouses
- Workshops





Guaranteed performance & robust design

Robust design allows lighting towers to be safely transported over long distances on Australia's rough, corrugated, outback roads. The CP66 is reliably sealed against damaging water and ingress of dust, guaranteeing performance.



Built to last

Unlike conventional LED floodlights, the CP66 was designed to withstand constant abuse.

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



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.



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.



EXTRA LOW VOLTAGE OPERATION

Our products operate on extra low voltage DC power. It is substantially safer to work with than conventional mains powered light sources.

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.

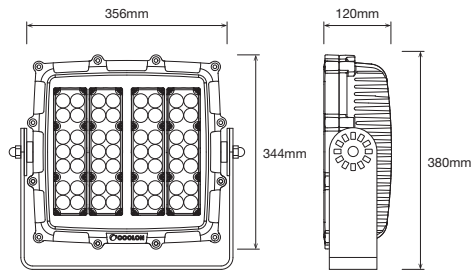


PROUDLY MADE IN AUSTRALIA

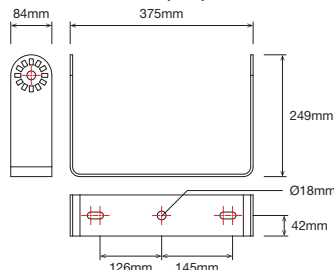
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

DIMENSIONS

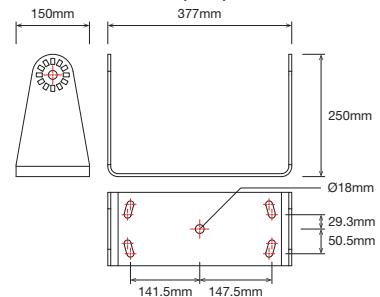
CP66 Luminaire



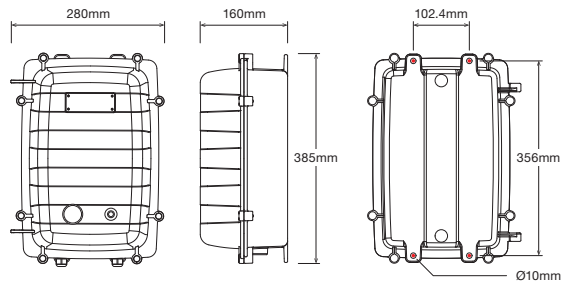
Fixed Plant Bracket (FPB)



Mobile Plant Bracket (MPB)



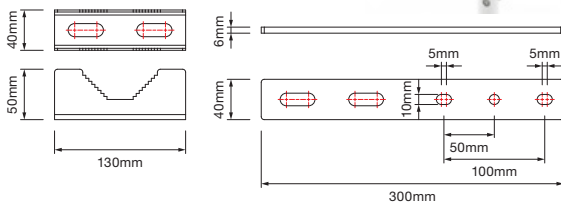
POWER SUPPLY DIMENSIONS



ACCESSORIES

U-Bolt Pole Mounting Plate for AL036 Enclosure
ACC-PMB-XXXX-PL100-GAL (available separately)

Download document below for more information
<http://www.coolon.com.au/mounting-acc-pdf>

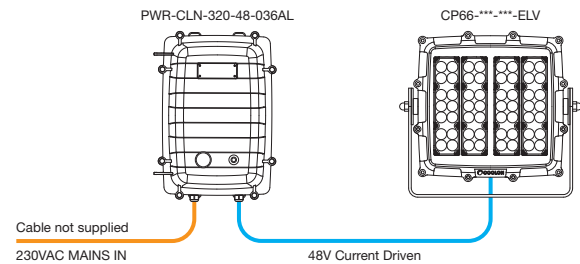


TECHNICAL SPECIFICATIONS

Product	CP66 LED Flood Light
Model	CP66
Optical Characteristics	
Luminous Flux (Photometered)	30,766 – 36,783 lm
CCT	CWT / NWT / WWT
CRI	>70
Electrical Characteristics (Luminaire)	
Power Consumption	320W
Cable Type	UL2095, 16 AWG x 2C Braid PVC, UV Resistant
Cable Diameter	7.5mm
Luminaire Cable Length	2m
Cable Extension	Distance between the power supply and luminaire can be extended up to 30m. The voltage drop on the cable must not exceed 2V.
Electrical Characteristics (Power Supply)	
Model Part Number	PWR-CLN-320-48-036AL
Voltage Range	100 – 277VAC / 127 – 350VDC
Frequency Range	47 – 63Hz
Power Factor	≥0.95 / 230VAC @ Full Load
Leakage Current	<0.75 mA / 277VAC

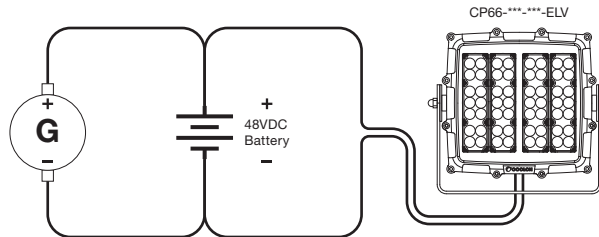
KIT CONFIGURATION

CP66 - XXX - XXX - XXX - WPS



MOBILE LIGHTING APPLICATION

The CP66 can be powered by a DC generator, provided the power is supplied via a 48VDC battery.



Environmental			
IP Rating	IP66		
Impact Rating	IK09		
Salt Spray Tested	Yes		
Operating Temp. Range	-20 to +50°C		
Thermal Management Type	Active/Continuous		
Expected Lifespan	50,000 Hours to 70% Brightness		
Material Composition (Body)	LM6 Aluminium Alloy (<0.1% copper content)		
Material Composition (Optics)	PMMA		
Material Composition (Bracket)	Stainless Steel	Bisalloy Bisplate® (MPB)	316 (FPB)
Material Composition (Cover)	Tempered Glass		
Mounting/Bracket Type	FPB (Standard)	MPB (Optional)	
Angle Adjustment	+/- 90° in 30° Steps		
Weight/Packaging	FPB	MPB + Plate	SSFPB
Luminaire Weight (CP66)	12kg		
Bracket Weight (CP66)	3kg	8.5kg	3.1kg
Packaging Dimensions (CP66)	W 460mm H 440mm D 180mm	W 460mm H 440mm D 360mm	W 460mm H 440mm D 180mm
Packaged Weight (CP66)	16kg	22kg	16.1kg
Packaging Dimensions (PSU)	400 x 280 x 180mm		
Packaged Weight (PSU)	5.2kg		

Warranty

Warranty	3 years warranty as standard 5 years extended warranty optional
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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.

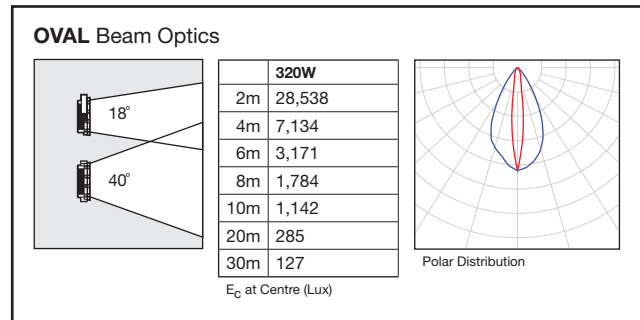
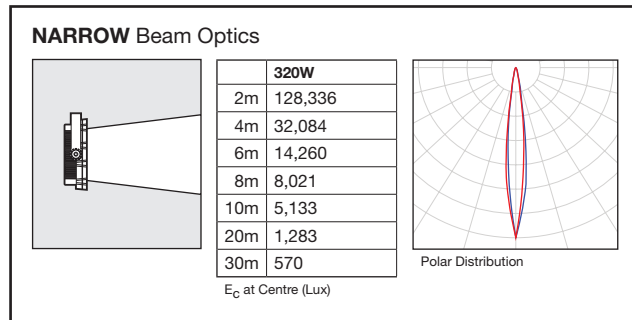
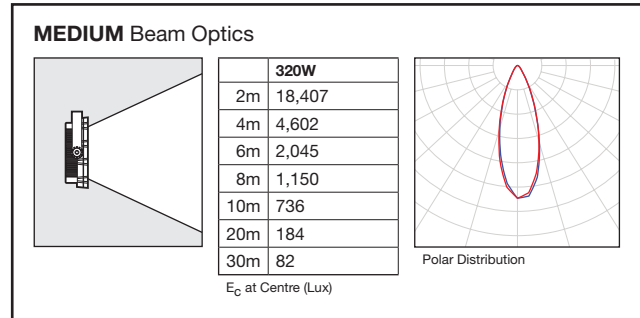
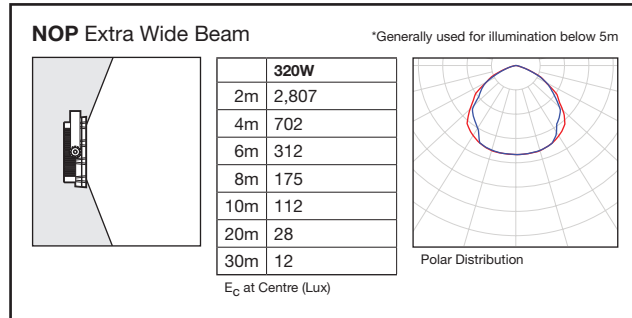
COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

ILLUMINANCE AT DISTANCE

NOTE: Illuminance at distance are measured using Cool White LEDs (CWT)



ORDERING EXAMPLE (SALES KIT PART NUMBER)

CP66 - NWT¹ - NARROW - FPB² - WPS

PRODUCT COLOUR TEMPERATURE OPTICS MOUNTING SUPPLY OPTION

PRODUCT	COLOUR TEMPERATURE		OPTICS		MOUNTING		SUPPLY OPTION	
CP66	CWT	Cool White	NOP	Extra Wide Beam	FPB	Fixed Plant Bracket	WPS	With Power Supply
	NWT	Neutral White	MEDIUM	Medium Beam	MPB	Mobile Plant Bracket		
	WWT	Warm White	NARROW	Narrow Beam	SSFPB	Stainless Steel Fixed Plant Bracket		
			OVAL	Oval Beam				

¹ If COLOUR TEMPERATURE is not specified, Neutral White LEDs (NWT) will be supplied

² If MOUNTING is not specified, Fixed Plant Bracket (FPB) will be supplied

ASSOCIATED PRODUCTS

KIT	PART #	DESCRIPTION
WPS	CP66-***-***-ELV	CP66 Luminaire, Extra Low Voltage
	PWR-CLN-320-48-036AL	Coolon Industrial Power Supply 320W IP66, 48VDC in 00036 Aluminium Enclosure