



 **COOLON**

# CP56

270W LED Flood Light

The CP56 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 CP56 LED luminaire is designed specifically for industrial applications where reliability and performance are paramount.

Every component of the CP56 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.


CP56 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
- Drag Lines
- Earthmoving Machinery
- Elevating Work Platforms
- Excavators
- Flood Lighting
- Gantry Cranes





## Raw power for the harshest environments

Available in a wide range of power levels to suit your requirement, the CP56 is a high lumen output LED Flood light. The CP56 is designed for the harshest environments and provide unrivalled reliability and performance, critical for demanding applications.



## Built to last

Unlike conventional LED floodlights, the CP56 was designed to withstand constant abuse.

- Resistant to Vibration, Impact & Shock Proof
- 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.



### 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.



### 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.



### 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.



### 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.



### 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.



### 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.

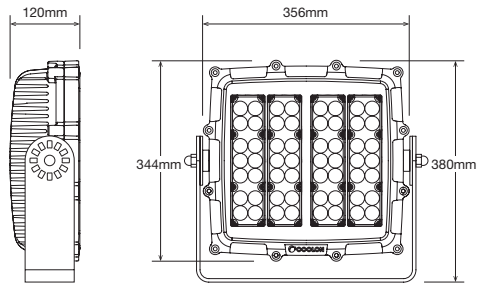


### PROUDLY MADE IN AUSTRALIA

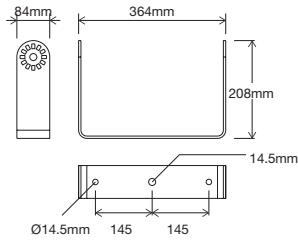
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

## DIMENSIONS

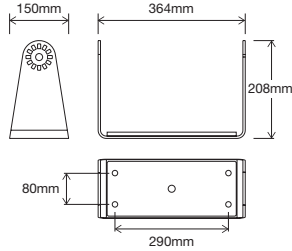
### CP56 Luminaire



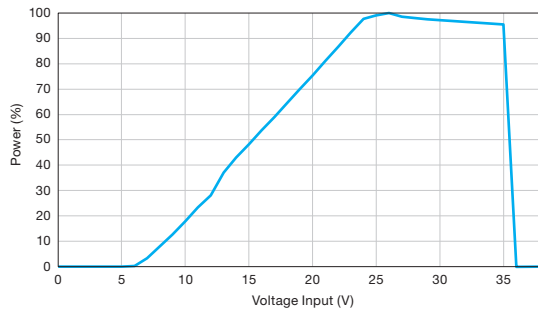
### Fixed Plant Bracket (FPB)



### Mobile Plant Bracket (MPB)

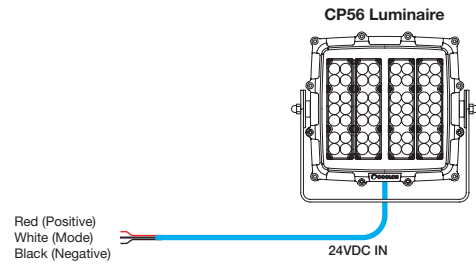


## SUPPLY VOLTAGE VS POWER



## UNIT CONFIGURATION

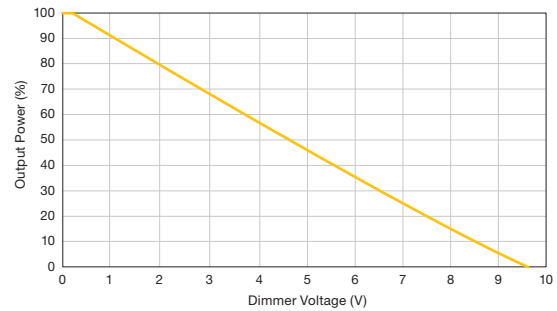
### CP56 - ELV



## OPERATING MODE SELECTION



## DIMMING VOLTAGE VS POWER



## TECHNICAL SPECIFICATIONS

### Product

Model CP56

### Optical Characteristics

Luminous Flux (Photometered) 27,070 – 31,730lm (CWT)

Luminous Flux (LED Lumens) 29,970lm (CWT)

CCT CWT 5900 – 6500K

WWT 2700 – 3000K

CRI >70

### Electrical Characteristics (Luminaire)

Power Consumption 270W

Nominal Voltage 24VDC

Voltage Range 21 – 34V

Cable Type UL2517, 14# x 2C + 18# x 1C, Braid PVC UV Resistant

Cable Diameter 7.5mm

Cable Length 2m

### 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) PC

Material Composition (Bracket) Stainless Steel 316 (FPB) Bisalloy Bisplate® (MPB)

Material Composition (Cover) Tempered Glass

Mounting/Bracket Type FPB (Standard) MPB (Optional)

Angle Adjustment +/- 90° in 30° Steps

### Weight/Packaging

Luminaire Weight 12kg

Bracket Weight 3kg 8.5kg 3.1kg

Packaging Dimensions W 460 H 440 D 180mm W 460 H 440 D 360mm W 460 H 440 D 180mm

Packaged Weight 16kg 22kg 16.1kg

### Warranty

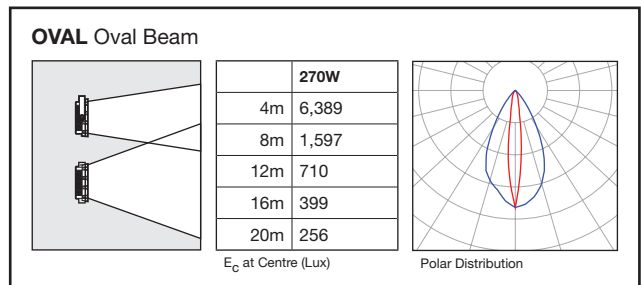
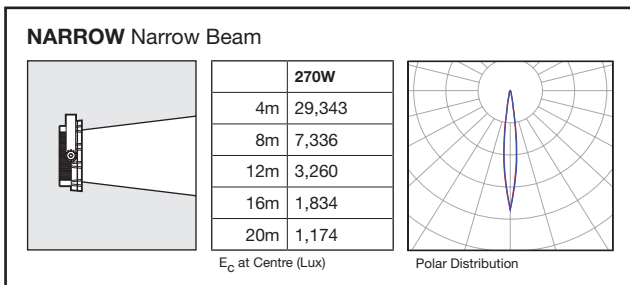
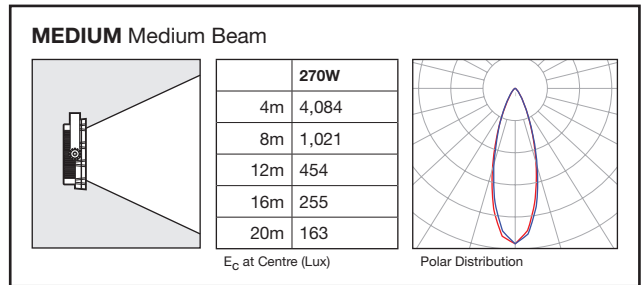
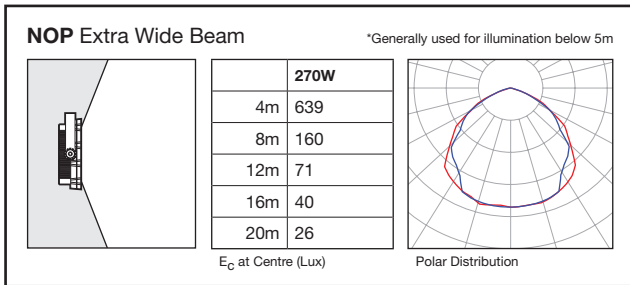
Warranty 3 years warranty as standard 5 years extended warranty optional

## COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

## ILLUMINANCE AT DISTANCE



## FIXED PLANT & LIGHTING TOWERS

For Fixed Plant & Lighting Towers see the CP66 Brochure



## ORDERING EXAMPLE

**CP56 - CWT<sup>1</sup> - MEDIUM - FPB<sup>2</sup> - ELV**

PRODUCT      COLOUR TEMPERATURE      OPTICS      MOUNTING      SUPPLY OPTION

PRODUCT	COLOUR TEMPERATURE		OPTICS		MOUNTING		SUPPLY OPTION	
CP56	CWT	Cool White LEDs	NOP	Extra Wide Beam	FPB	Fixed Plant Bracket	ELV	Extra Low Voltage
	WWT	Warm White LEDs	MEDIUM	Medium Beam	MPB	Mobile Plant Bracket		
			NARROW	Narrow Beam	SSFPB	Stainless Steel Fixed Plant Bracket		
			OVAL	Oval Beam				

<sup>1</sup> If COLOUR TEMPERATURE is not specified, Cool White LEDs (CWT) will be supplied

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