



 **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:

- Earthmoving Machinery
- Excavators



## 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.



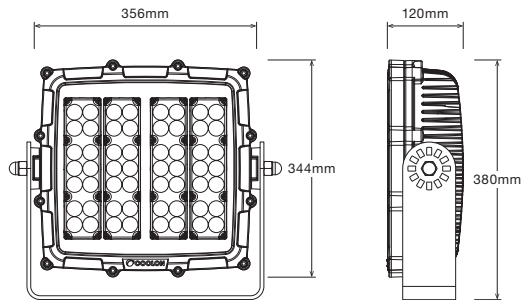
### PROUDLY MADE IN AUSTRALIA

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.

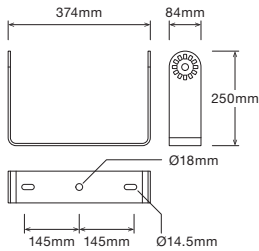


## DIMENSIONS

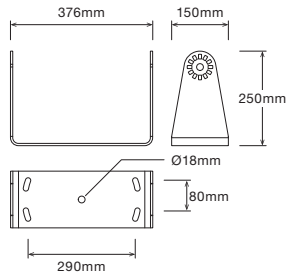
### CP56 Luminaire



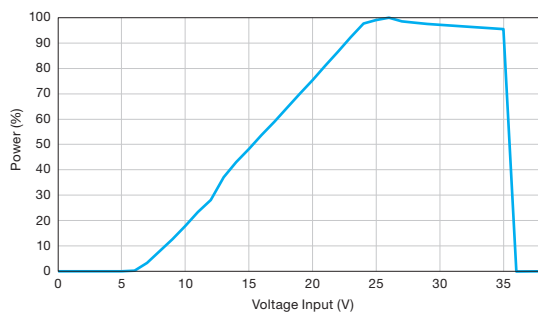
### Fixed Plant Bracket (FPB)



### Mobile Plant Bracket (MPB)

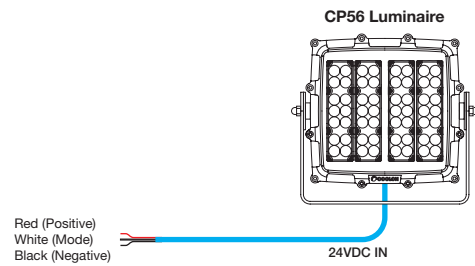


## SUPPLY VOLTAGE VS POWER



## UNIT CONFIGURATION

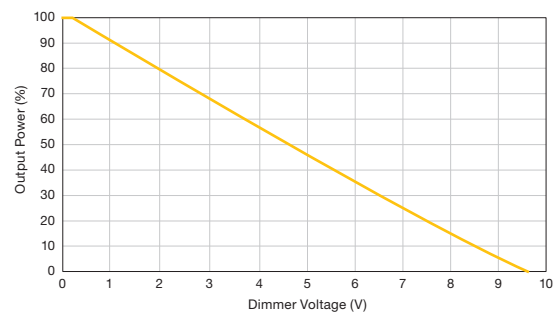
### CP56 - ELV



## OPERATING MODE SELECTION



## DIMMING VOLTAGE VS POWER



## TECHNICAL SPECIFICATIONS

<b>Product</b>	CP56 LED Flood Light
<b>Model</b>	CP56
<b>Optical Characteristics</b>	
Luminous Flux (Photometered)	27,070 – 31,730 lm
CCT	CWT / WWT
CRI	>70
<b>Electrical Characteristics (Luminaire)</b>	
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	FPB	MPB + Plate	SSFPB
Luminaire Weight	12kg		
Bracket Weight	3kg	8.5kg	3.1kg
Packaging Dimensions	W 460mm H 440mm D 180mm	W 460mm H 440mm D 360mm	W 460mm H 440mm D180mm
Packaged Weight	16kg	22kg	16.1kg

### Warranty

Warranty	3 years warranty as standard 5 years extended warranty optional
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<sup>1</sup> Optical and electrical characteristics are measured using Cool White LEDs (CWT)

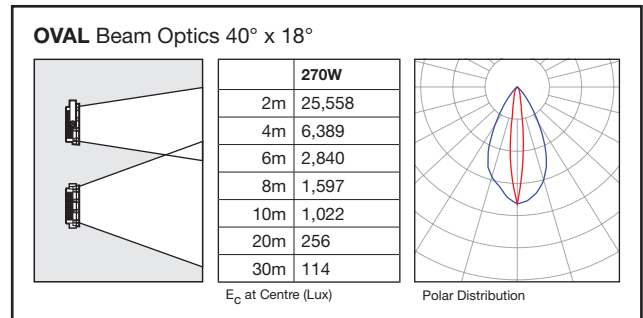
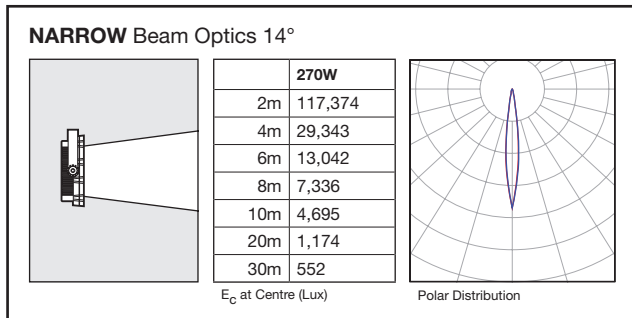
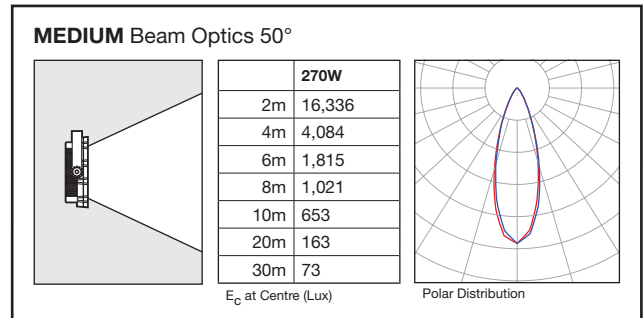
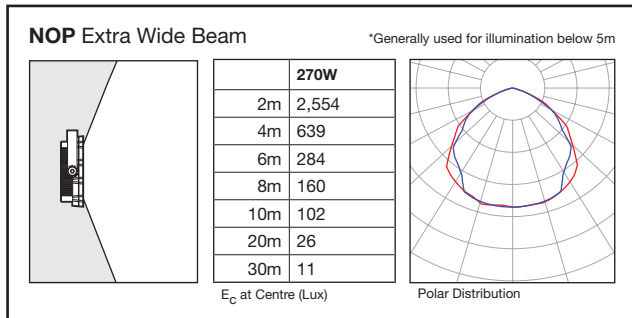
<sup>2</sup> Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

## COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

## ILLUMINANCE AT DISTANCE



## 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	NOP	Extra Wide Beam	FPB	Fixed Plant Bracket	ELV	Extra Low Voltage
	WWT	Warm White	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