



 **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.

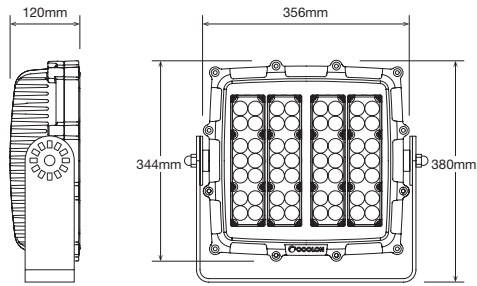


PROUDLY MADE IN AUSTRALIA

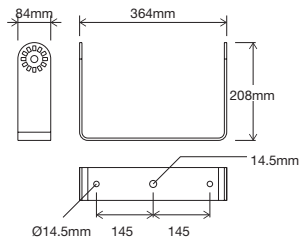
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

DIMENSIONS

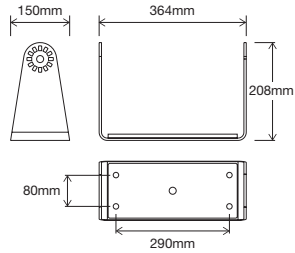
CP56 Luminaire



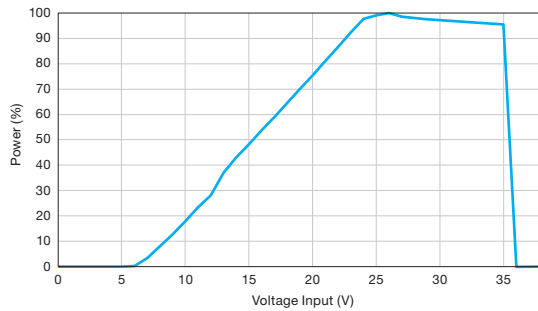
Fixed Plant Bracket (FPB)



Mobile Plant Bracket (MPB)

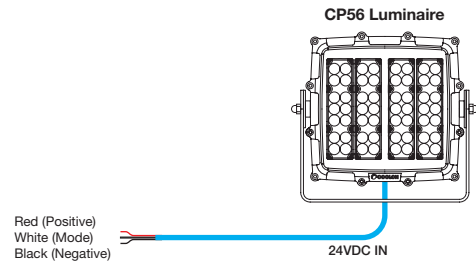


SUPPLY VOLTAGE VS POWER



UNIT CONFIGURATION

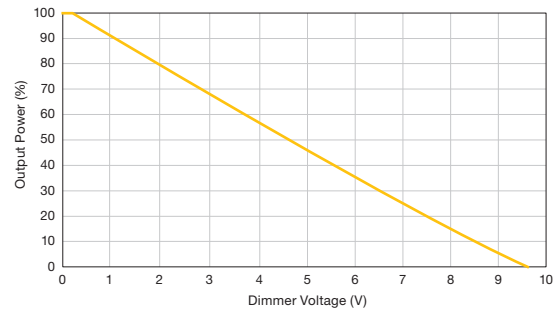
CP56 - ELV



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

| | FPB | MPB + Plate | SSFPB |
|----------------------|---------------------------|---------------------------|---------------------------|
| 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

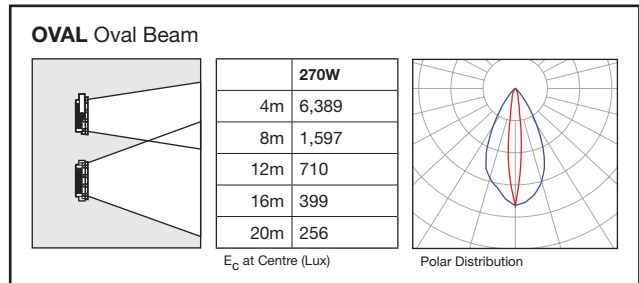
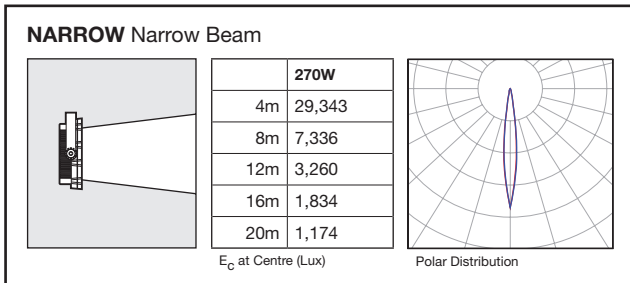
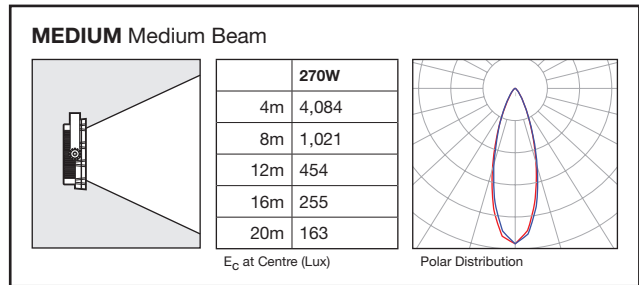
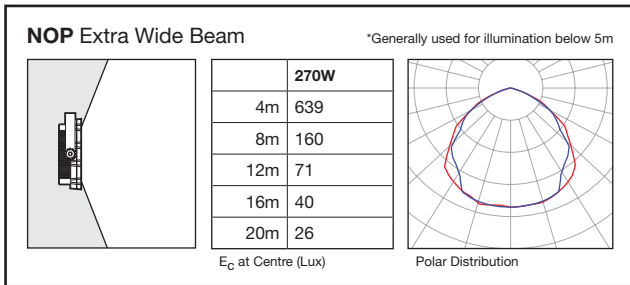
| | |
|----------|--|
| Warranty | 3 years warranty as standard 5 years extended warranty optional |
|----------|--|

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 - CWT¹ - MEDIUM - FPB² - 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 | | |

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

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