



 **COOLON**

# CP24

**75W LED Flood Light**

The CP24 is equipped with the most powerful LEDs and provides a balance of power and size. Its robust design enables the CP24 for use in the harshest environments.

Designed and manufactured in Australia using only the highest quality components, the CP24 High Power LED Luminaire is designed specifically for industrial applications where reliability and performance are paramount.

Able to work side by side with people in the harshest of environments and is ideally suited for most situations where bulb maintenance is difficult or impossible.

Every component of the CP24 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.

CP24 LED luminaire is rated IP66 and is suitable for both indoor and outdoor use.

#### Designed for use in:

- Area Lighting
- Bulldozers
- Car Parks
- Drag Lines
- Excavators
- Load In / Out
- Processing Plants
- ROM Pads
- Stacker / Reclaimers
- Trucks
- Wash Pads
- Workshops



## Raw power for the harshest environments

The CP24 is a 75W LED Flood light designed for the harshest environments and provides unrivaled reliability and performance, critical for demanding applications.

### Built to last

Unlike conventional LED floodlights, the CP24 was designed to withstand constant abuse.

- Resistant to Vibration
- Impact and 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.

#### 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

3  
YEARS

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

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



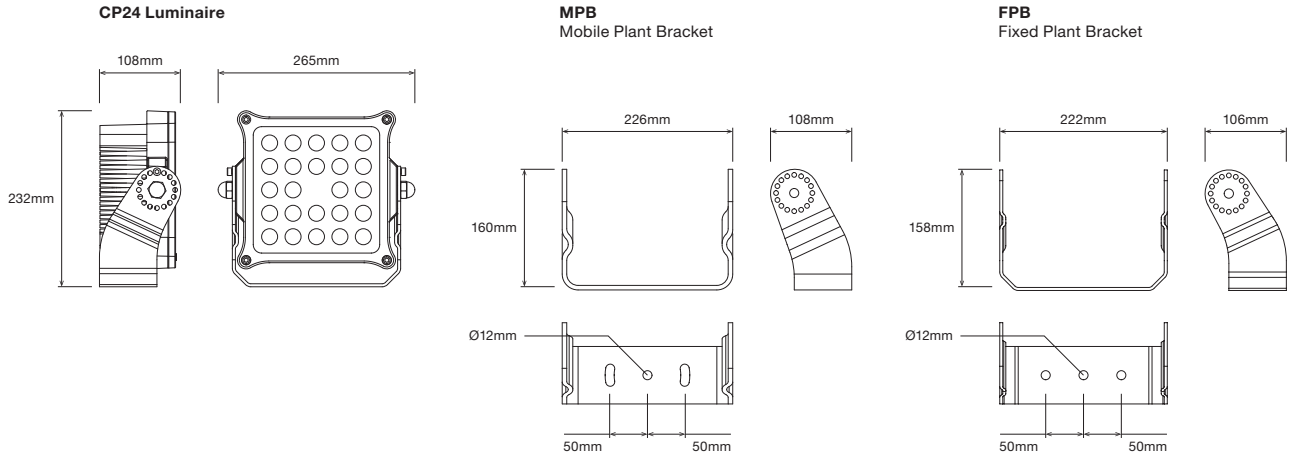
Our products operate on extra low voltage DC power. It is substantially safer to work with than conventional mains powered light sources.

#### PROUDLY MADE IN AUSTRALIA

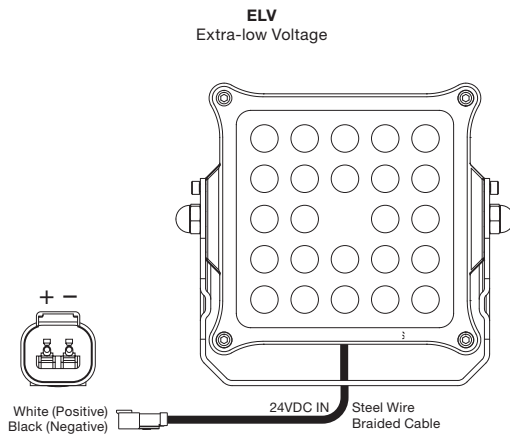


Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

## DIMENSIONS



## CONFIGURATION



## TECHNICAL SPECIFICATIONS

### Product

Model	CP24
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### Optical Characteristics

Luminous Flux (Photometered)	4260 – 5050lm
Luminous Flux (LED Lumens)	8750 lm
CCT	5800 – 6900K
CRI	>70

### Electrical Characteristics (Luminaire)

Power Consumption	76.5W Typical, 78.2W Start
Nominal Voltage	24VDC
Voltage Range	12 – 34VDC
Cable Type	UL2095, 16 AWG x 2C Braid PVC, UV Resistant
Cable Diameter	7.5mm
Cable Length	2m

### Environmental

IP Rating	IP66
Impact Rating	IK09 (Polycarbonate or Grilamid)
Salt Spray Tested	Yes
Operating Temp. Range	-30 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 (Cover)	Toughened Glass - Standard Polycarbonate and Grilamid TR90 options are available upon request
Mounting Bracket Type	FPB (Standard) MPB (Optional)
Angle Adjustment	11.25° Steps

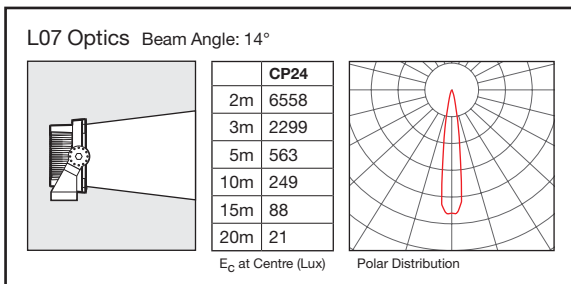
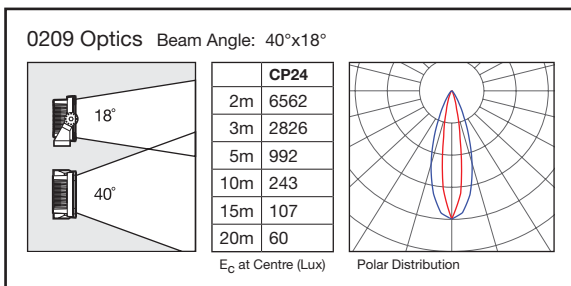
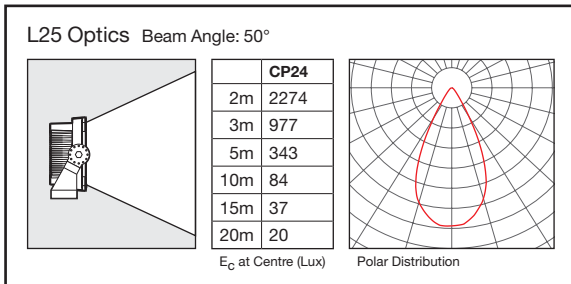
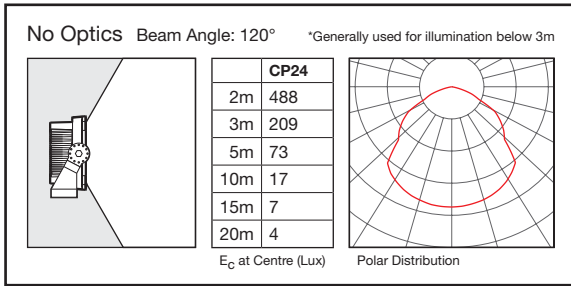
### Weight/Packaging

Luminaire Weight	3.5kg
Bracket Weight	1.0kg (FPB), 1.8kg (MPB)
Packaging Dimensions (CP24)	280 x 280 x 140mm
Packaging Weight (CP24)	6.4kg (MPB)
Packaging Dimensions (PSU)	400 x 280 x 180mm
Packaging Weight (PSU)	5.0kg

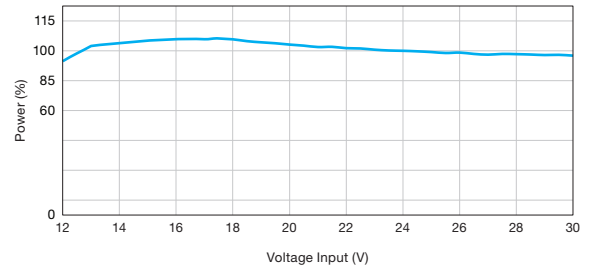
### Warranty

Warranty	3 years warranty as standard 5 years extended warranty optional
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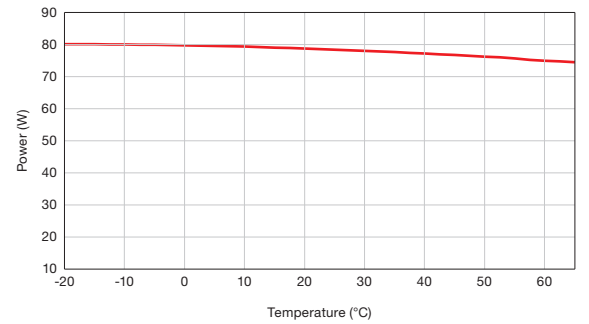
## ILLUMINANCE AT DISTANCE



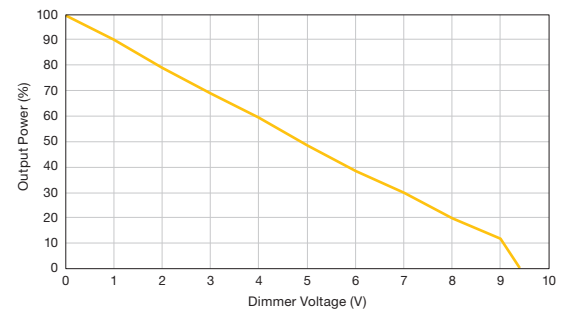
## SUPPLY VOLTAGE VS POWER



## AMBIENT TEMPERATURE VS POWER



## DIMMING VOLTAGE VS POWER



## ORDERING EXAMPLE

**CP24 - B - L25 - FPB<sup>1</sup> - ELV**

PRODUCT      TYPE      OPTICS      MOUNTING      CONFIGURATION

PRODUCT	TYPE	OPTICS	MOUNTING	CONFIGURATION
CP24	B	12VDC – 34VDC	FPB Fixed Plant Bracket	ELV Extra-Low Voltage
		L25 Wide Optics	MPB Mobile Plant Bracket	DIM 3 Wires, 0 – 10V Dimming
		L07 Narrow Optics		
		O209 Oval Optics		

<sup>1</sup> If MOUNTING is not specified, Fixed Plant Bracket will be supplied

## ASSOCIATED PRODUCTS

PART #	DESCRIPTION
PWR-CLN-CLG150-24-036AL	Coolon Industrial Power Supply 150W, 24VDC in 00036 Aluminium Enclosure