



For a video demonstration, please scan the QR Code or visit <http://goo.gl/SpC47>

 COOLON

CP14-UG

35W LED Flood Light

The CP14-UG is designed to emit zero radio interference, whilst maintaining superior luminous output in a compact size enclosure.

CP14-UG is purpose engineered for applications that are highly sensitive to Electro Magnetic Emissions, typically produced by most LED luminaires.

CP14-UG produces NO EMI, it is virtually undetectable and is guaranteed to not cause any interference with vital communications and data logging equipment.

Designed and manufactured in Australia using only the highest quality components, the CP14-UG LED Luminaire is designed specifically for use in underground mining applications where reliability and performance is required.

Designed for use in:

- Underground Drill Rigs (Jumbos)
- Underground General Lighting
- Underground Haul Trucks
- Underground Wheel Loaders (Boggers)
- Other EMI Sensitive Applications



Born to live underground

The CP14-UG LED Luminaire is purpose built for lighting installations on UNDERGROUND mining machines. All performance characteristics of the CP14-UG have been optimised for operation in poorly lit, humid and hot conditions of underground mining.



Zero EMI - no interruptions

Confined underground environments are particularly sensitive to Electro Magnetic Emissions. EMI effects are detrimental on all kinds of electronic communication, navigation and data logging equipment.

CP14-UG LED was engineered from the ground up to produce NO Electro Magnetic Interferences.



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.

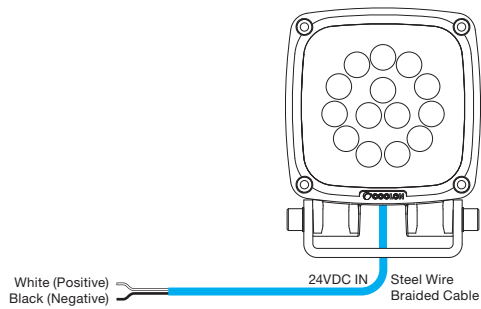


PROUDLY MADE IN AUSTRALIA

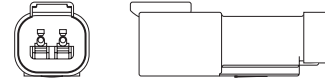
Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

WIRING CONFIGURATION

CP14-UG Luminaire

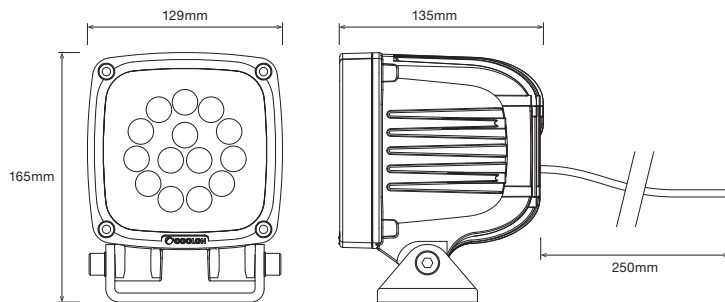


Deutsch Plug Option Type DT04-2P

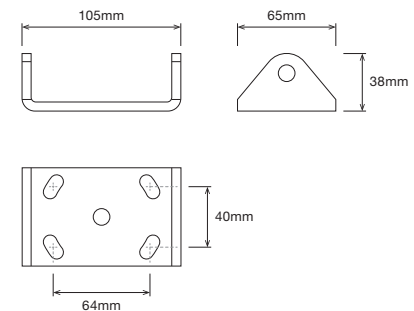


DIMENSIONS

CP14-UG Luminaire with Standard Bracket



Standard Bracket MBR-CP14-STB



TECHNICAL SPECIFICATIONS

Product

Model	CP14-UG
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Optical Characteristics

Luminous Flux (Photometered)	2160 lm
Luminous Flux (LED Lumens)	3250 lm
CCT	Cool White 5500 – 6900K Warm White 2700 – 3000K
CRI	>70

Electrical Characteristics (Luminaire)

Power Consumption	35W Typical, 38W Start
Nominal Voltage	26VDC
Voltage Range	23 – 28VDC
Cable Type	UL2095, 16 AWG x 2C Braid PVC, UV Resistant
Cable Diameter	7.5mm
Cable Length	250mm

Environmental

IP Rating	IP66
Impact Rating	IK09
Salt Spray Tested	Yes
Operating Temp. Range	-30 – 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 (Diffuser)	High Impact/Shock Proof - Grilamid TR
Material Composition (Bracket)	Stainless Steel
Mounting/Bracket Type	Standard
Angle Adjustment	Free aiming range -30° – +30°

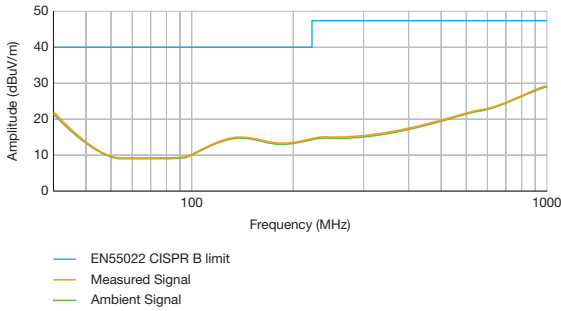
Weight/Packaging

Luminaire Weight	2.1kg
Bracket Weight	0.4kg (STB)
Packaging Dimensions	140 x 175 x 160mm
Packaging Weight	2.7kg

Warranty

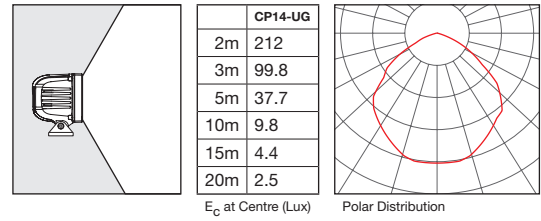
Warranty	3 years warranty as standard 5 years extended warranty optional
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MINIMAL RADIATED EMI

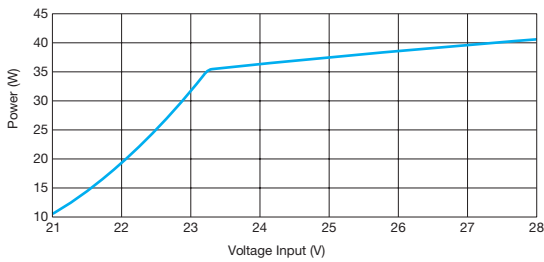


ILLUMINANCE AT DISTANCE

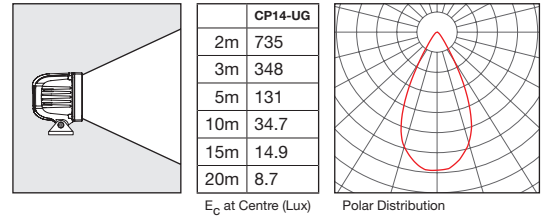
No Optics Beam Angle: 120° *Generally used for illumination below 5m



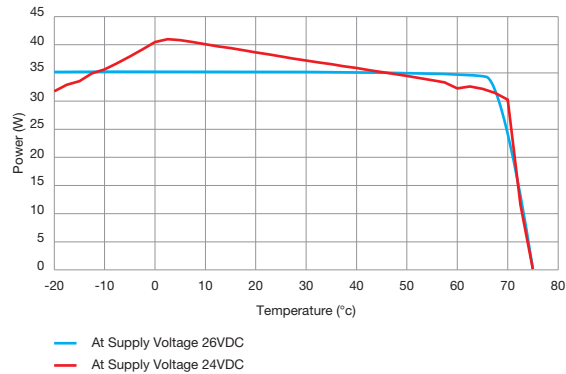
SUPPLY VOLTAGE VS POWER



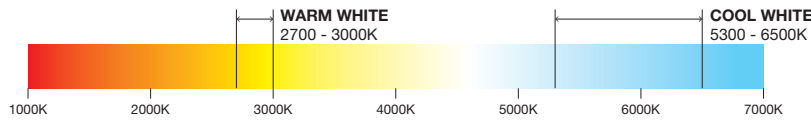
L25 Optics Beam Angle: 50°



TEMPERATURE VS POWER



COLOUR TEMPERATURES



ORDERING EXAMPLE

CP14UG - CWT¹ - L25² - STB

PRODUCT COLOUR TEMP OPTICS MOUNTING

PRODUCT	COLOUR TEMP		OPTICS		MOUNTING	
CP14UG	CWT	Cool White (5300 - 6500K)	NOP	No Optics	STB	Standard Bracket
	WWT	Warm White (2700 - 3000K)	L25	50° Beam Angle		

¹ If COLOUR TEMP is not specified, Cool White will be supplied

² If OPTICS is not specified, NOP will be supplied