

 **COOLON**

NIGHTHAWK

240W LED Flood Light

The NightHawk makes it uniquely possible to create a lighting tower that delivers lighting performance exceeding all expectations yet does not blow out your product costs.

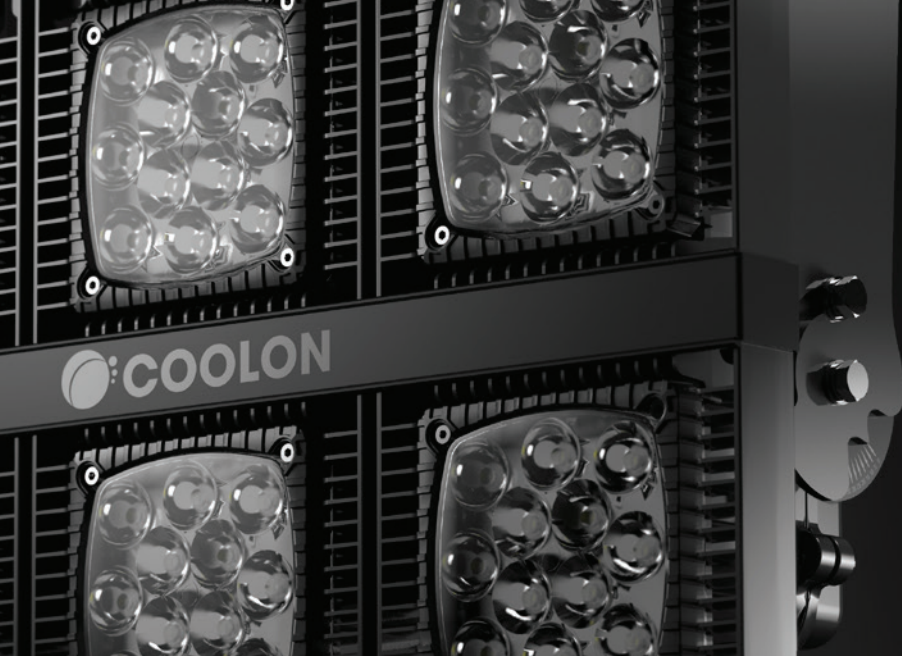
Unlike other LED floodlights, the NightHawk has been specifically engineered for Mobile Lighting Tower applications, where the most amount of light must be precisely delivered to a distant target by the luminaire that is compact, guaranteed to perform, sealed against damaging water & dust penetrations.

With a various range of optics available the NightHawk is well-adopted for almost any application.

Designed for use in:

- High Mast
- Stock Piles
- Sports Grounds
- Drag Lines
- Crushers
- Hard Stand Areas
- Switching Yards
- Security Perimeter
- Workshops





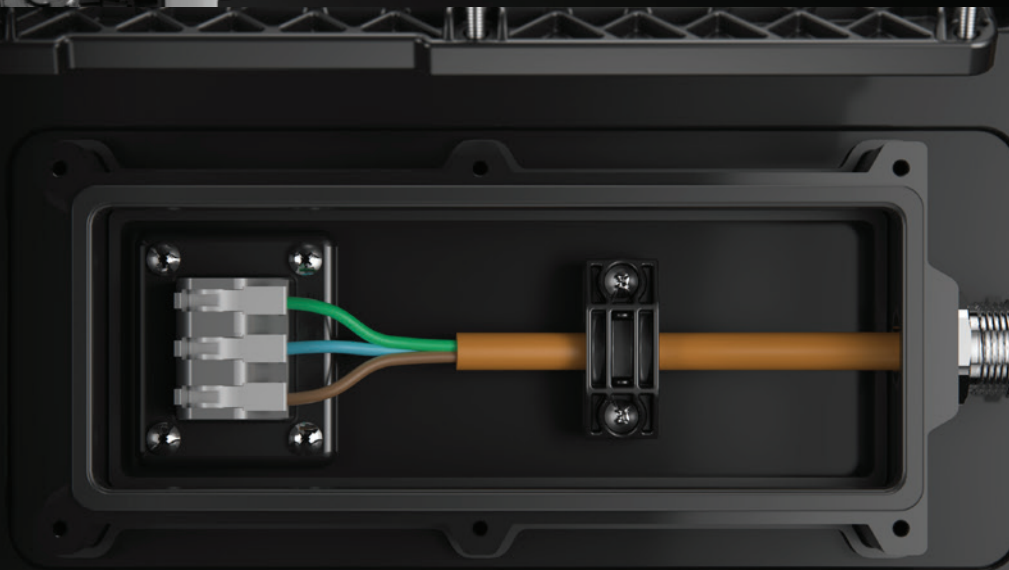
Built to last

The NightHawk is designed for the harshest environments and provides unrivaled reliability and performance, critical for demanding applications.

- Resistant to Vibration
- Impact/Shock Proof
- Chemical Resistant
- High Pressure Washable
- Unaffected by Severe Temperature Variations

Fast & easy to install

NightHawk is fitted with purpose made, spacious junction box that allows to accommodate for every of site specific wiring requirement without breaking the factory seal to the vital components.



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

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.

IP66

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.

L70

LONG USEFUL OPERATING LIFE

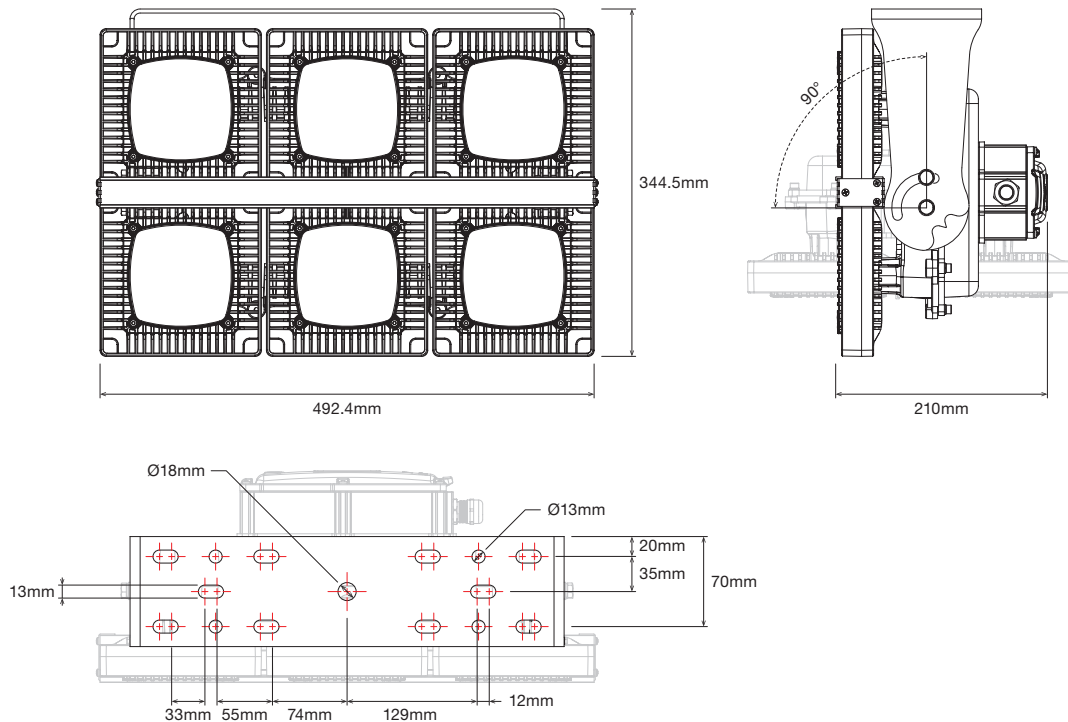
Currently available specification from world's most reputable LED manufacturers states 50,000 hours of continuous operation at the rated current within the operating temperature range to 70% residual light output.



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



TECHNICAL SPECIFICATIONS

Product

Model	NightHawk Mains Powered (MP)	NightHawk Low Voltage (ELV)
-------	------------------------------	-----------------------------

Optical Characteristics

Luminous Flux (Photometered)	26,654lm @ 227W (Oval)
Luminous Flux (LED Lumens)	36,000lm

Electrical Characteristics (Luminaire)

Power Consumption	240W
-------------------	------

Electrical Characteristics (Power Supply)

Input Voltage Range	180 – 528VAC, 254 – 747VDC	44 – 52VDC
Frequency Range	47 – 63 Hz	N/A
Power Factor	>0.95 / 230VAC	N/A
Mains Entry	M20 Stainless Steel Cable Gland	

Environmental

Operating Temperature Range	-20°C to +40°C
IP Rating	IP66
Body	Aluminium Alloy, E-Coated
Wiring Method	Via Dedicated Junction Box
Angle Adjustment	90°

Weight/Packaging

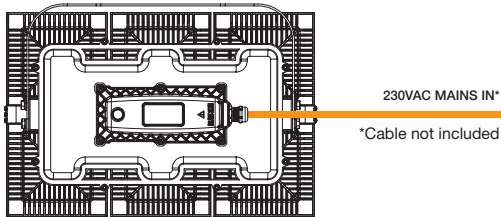
Luminaire Weight	15kg including bracket and power supply	
Packaging Dimensions	560 x 390 x 260mm	
Packaged Weight	17kg	16.5kg

Warranty

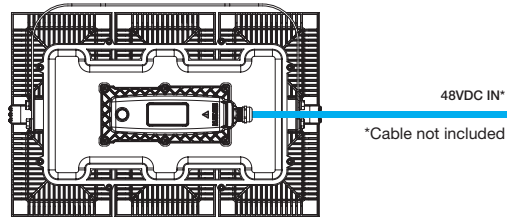
Warranty	3 years warranty as standard 5 years extended warranty optional
----------	--

WIRING DIAGRAM

NightHawk - MP
Mains Powered

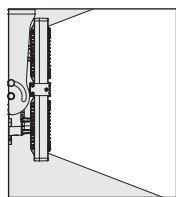


NightHawk - LVL
Low Voltage Luminaire



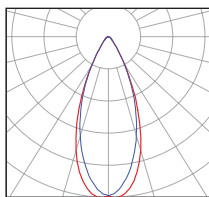
ILLUMINANCE AT DISTANCE

MEDIUM Medium Optics



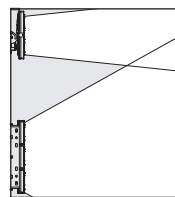
	227W
2m	12944
3m	5528
5m	1929
10m	471
15m	207
20m	116

E_c at Centre (Lux)



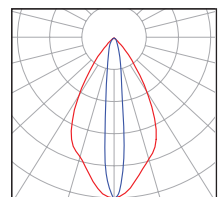
Polar Distribution

OVAL Oval Optics



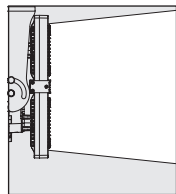
	227W
2m	23225
3m	9918
5m	3460
10m	845
15m	372
20m	209

E_c at Centre (Lux)



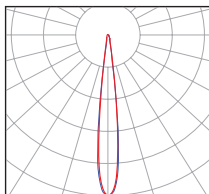
Polar Distribution

NARROW Narrow Optics



	227W
3m	48373
5m	16877
10m	4122
15m	1818
25m	650
50m	161

E_c at Centre (Lux)



Polar Distribution

ORDERING EXAMPLE

NHL - 240 - CWT - MEDIUM - MP

PRODUCT TYPE COLOUR TEMP OPTICS SUPPLY OPTION

PRODUCT	TYPE	COLOUR TEMP	OPTICS	SUPPLY OPTION
NightHawk	240 240W	CWT Cool White	MEDIUM Medium Optics	MP Mains Powered
		AMB Amber	NARROW Narrow Optics	ELV Extra Low Voltage Luminaire
			OVAL Oval Optics	