



CASSIDY

240W LED Flood Light

Unrivalled perimeter coverage with top quality intense light

Engineered for a very long life using highly resistive to corrosion LM6 alloy body, SS316 mounting bracket and a low iron tempered glass diffuser in combination with superb LED Driver and top of the range LEDs to address the most demanding applications.

Cassidy has been specifically designed to provide ease of installation with high flexibility in optics selection and mounting position.

Designed for use in:

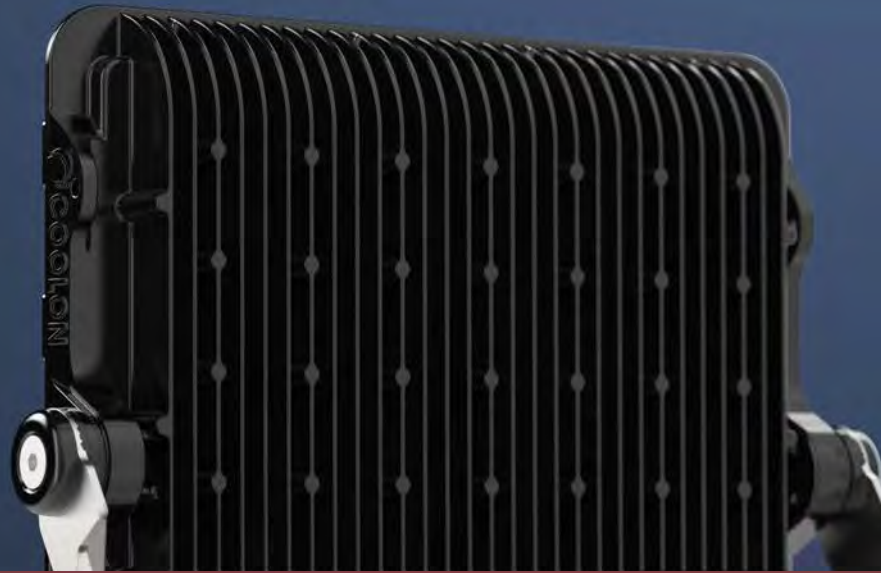
- Area Lighting
- Draglines
- Stacker / Reclaimers
- Flood Lighting
- Security Lighting
- Workshops
- Billboards



Built to Last

Unlike conventional LED floodlights, the Cassidy was designed to withstand rough surface conditions.

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



Optical Flexibility

The Cassidy is available in a wide range of optical variations offering the ability to maximise the effective performance in each particular application.



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.



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.



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.

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.



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.



INDUSTRIAL GRADE FINISHINGS

A long-life luminaire deserves a long-life finish. We source the finest alloys and surface treatments to ensure the luminaire provides superior performance all year round in all weather conditions.

5
YEARS

5 YEARS FACTORY WARRANTY

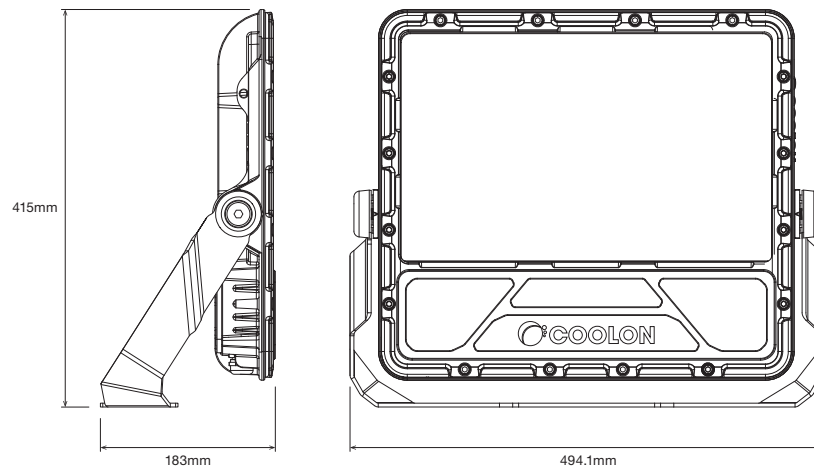
Coolon luminaires are covered by a solid comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



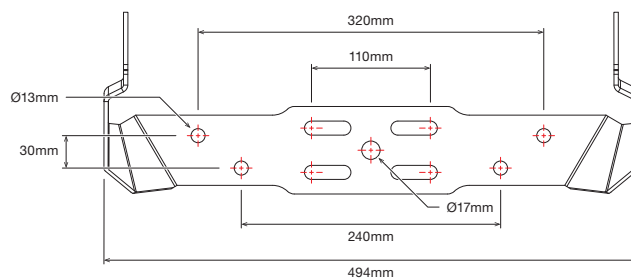
PROUDLY MADE IN AUSTRALIA

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

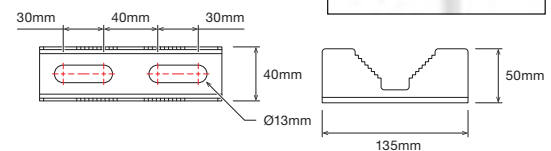


MOUNTING BRACKET

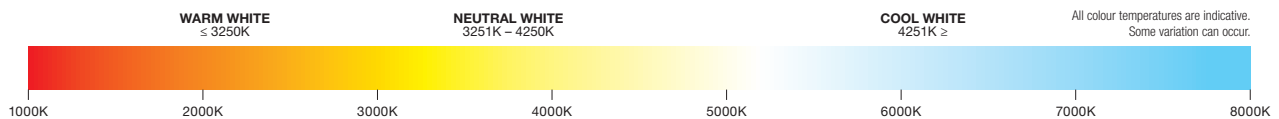


ACCESSORIES

Optional U-Bolt Pole Mounting Clamp Kit x 2
(available separately) refer to industrial accessories brochure. Visit coolon.com.au to download now.



COLOUR TEMPERATURES



TECHNICAL SPECIFICATIONS

Product	Cassidy LED Flood Light
Model	CASS
Optical Characteristics	
Luminous Flux (Photometered)	27,000 – 28,000 lm
CCT	NWT / WWT / AMB
CRI	> 70 excluding amber
Electrical Characteristics (Luminaire)	
Power Consumption (Max.)	255W
Nominal Voltage	230VAC
Voltage Range	90 – 277 VAC / 127 – 250VDC
Frequency Range	47 – 60Hz
Power Factor	>0.96 @ 230VAC
Surge Protection	6kV line-line, 10kV line-earth
Inrush and Leakage Currents ^{2 3 4}	
Peak Inrush Current (A) @230V	90.4
Duration - twtdth (ms)	0.3
I _{pt} (A ² S)	2.52
Leakage Current (mA)	<0.75mA @ 230V / 60Hz
Maximum number of luminaires per MCB @ 230V	
B16	8
C16	9
D16	10

Sail Area	
Horizontal Orientation	0.041m ²
Vertical Orientation	0.179m ²
Environmental	
IP Rating	IP66
Impact Rating	IK08
Salt Spray Tested	Yes
Operating Temp. Range	-20 to 65°C
Thermal Management Type	Active/Continuous
Expected Lifespan	70,000 Hours to 70% Brightness
Material Composition (Body)	LM6 Aluminium Alloy
Material Composition (Optics)	PMMA
Material Composition (Terminal Cover)	PC 20% GF
Material Composition (Transparent Front)	Tempered Glass
Material Composition (Bracket)	Stainless Steel 316
Adjustment Angle	360° in 6° steps
Cable Entry Options	M20 Stainless steel cable gland
Cable Diameter	7 – 13mm
Weight/Packaging	
Luminaire Weight	12kg
Packaging Dimensions	580 x 500 x 160mm
Packaged Weight	15kg
Warranty	
Warranty	5 years warranty as standard

¹ Optical and electrical characteristics are measured using Neutral White LEDs (NWT)

² Note: At 230VAC input, 25°C cold start, 10%lpk-10%lpk.

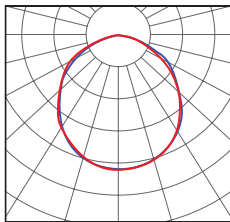
³ Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

⁴ Number of Luminaires is subject to relative MCB properties, assuming a 30mA leakage current limit and MCB steady state current load not exceeding 60%, 70% and 80% for the B, C, D type MCB respectively.

ILLUMINANCE AT DISTANCE

NOP Extra Wide Beam

	CASS
2m	1,878
4m	469
6m	209
8m	117
10m	75
20m	19
30m	8

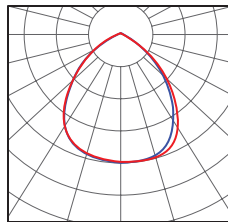


E_c at Centre (Lux)

Polar Distribution

WIDE Wide Beam

	CASS
2m	2,604
4m	651
6m	289
8m	163
10m	104
20m	26
30m	12

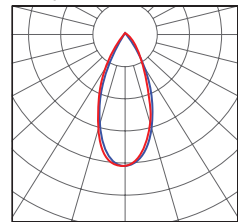


E_c at Centre (Lux)

Polar Distribution

MEDIUM Beam Optics 60°

	CASS
2m	8,606
4m	2,152
6m	956
8m	538
10m	344
20m	86
30m	38

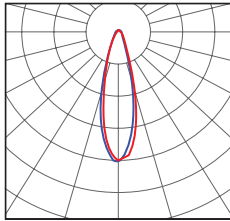


E_c at Centre (Lux)

Polar Distribution

NARROW Beam Optics 30°

	CASS
2m	13,562
4m	3,391
6m	1,507
8m	848
10m	542
20m	136
30m	60

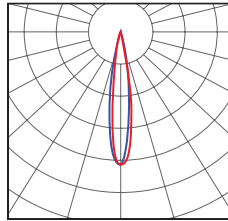


E_c at Centre (Lux)

Polar Distribution

SPOT Beam Optics 15°

	CASS
2m	40,185
4m	10,046
6m	4,465
8m	2,512
10m	1,607
20m	402
30m	179

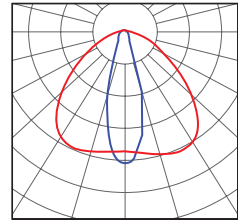


E_c at Centre (Lux)

Polar Distribution

OVAL Beam Optics 30° x 100°

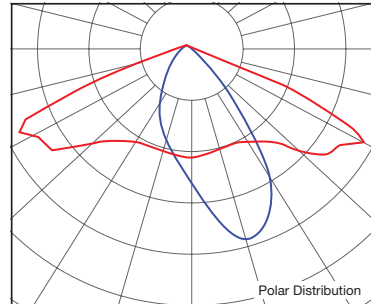
	CASS
2m	4,689
4m	1,172
6m	521
8m	293
10m	188
20m	47
30m	21



E_c at Centre (Lux)

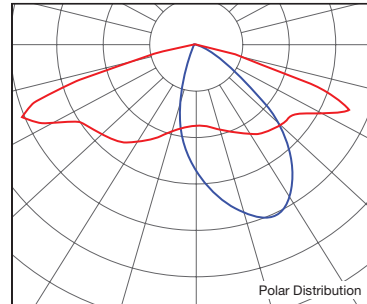
Polar Distribution

T1 Type 1 Optical Distribution



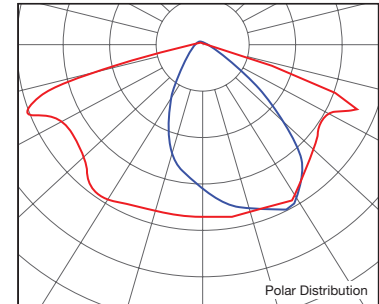
Polar Distribution

T2 Type 2 Optical Distribution



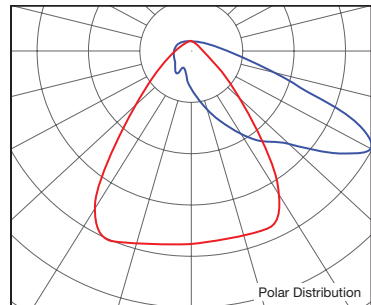
Polar Distribution

T3 Type 3 Optical Distribution



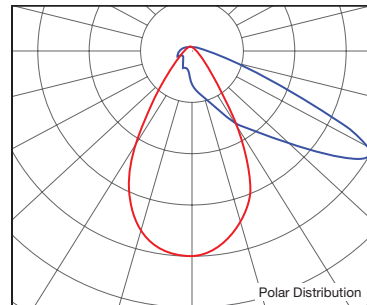
Polar Distribution

T4M Type 4 Medium Optical Distribution



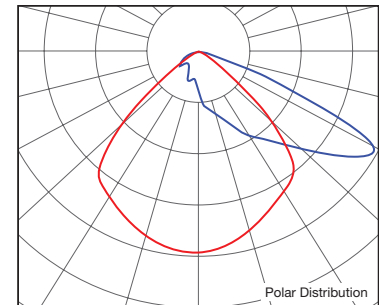
Polar Distribution

T4N Type 4 Narrow Optical Distribution



Polar Distribution

T4W Type 4 Wide Optical Distribution



Polar Distribution

ORDERING EXAMPLE

CASS - 240 - NWT - NARROW - MP

PRODUCT TYPE COLOUR TEMPERATURE OPTICS SUPPLY OPTION

PRODUCT	TYPE	COLOUR TEMPERATURE		OPTICS		SUPPLY	
CASS	240	240W Version	NWT Neutral White	NOP	Extra Wide Optics	MP	Mains Powered
			WWT Warm White	WIDE	Wide Optics		
			AMB Amber	MEDIUM	Medium Optics		
				NARROW	Narrow Optics		
				SPOT	Spot Optics		
				OVAL	Oval Optics		
				T1	Type 1 Optics		
				T2	Type 2 Optics		
				T3	Type 3 Optics		
				T4M	Type 4 Medium Optics		
				T4N	Type 4 Narrow Optics		
				T4W	Type 4 Wide Optics		