



 COOLON

LOCHIE™

60W LED Conveyor/Area Light

Lochie™ LED Light combines all the best features a conveyor light needs:

Optimized design for fast and easy installation directly to the pole top with no additional spigots, purposely designed optics, unmatched efficacy, large spacing, standard compliant illumination and a smooth surface preventing accumulation of dust and dirt.

Mounted at 2.4m height and spaced 12 meters apart Lochie™ LED Light is capable of delivering the required minimum 40 lux with 130 lux average using a warm 2700K light output. Lochie™ LED Light represents the best solution for Conveyor and Pathway lighting.

Designed for use in:

- Conveyors
- Walkways
- Area Lighting
- Car Parks
- Stairwells





Lowest cost of installation

The Lochie™ is so easy to install it can be done in minutes. Simply open the hatch, connect the wires, tighten the gland, close the hatch.

The Lochie™ is made to cut costs; even before it is ever switched on.

Adhering to Dark Sky

Lighting pollution should not be a feature of today's technology, wasting energy, disturbing nocturnal animals and severely impacting astronomy observatories.

The LOCHIE™ was designed with this in mind, adhering to the rules of Dark Sky compliance.



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.



LOW SUSCEPTIBILITY TO VIBRATION

This luminaire is designed to handle continuous exposure to vibration. A typically critical issue affecting the life and operation of most common gas discharge lamp based light sources is mechanical shock and vibration.

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.

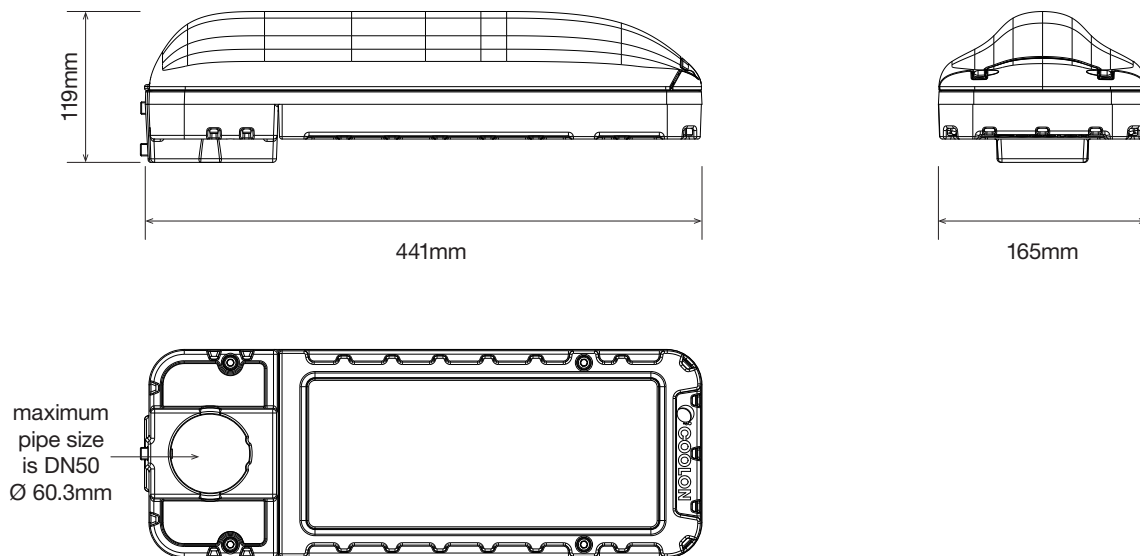


PROUDLY MADE IN AUSTRALIA

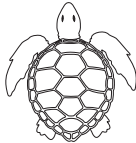
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

DIMENSIONS

Lochie™ Luminaire



TURTLE FRIENDLY OPTION



The Lochie™ is available in turtle friendly Amber. In many coastal areas white light may not be permitted for use, as it is believed to be disrupting breeding cycles of certain species of sea turtles. Coolon has specifically designed a variation of the Lochie™ in 595nm (nanometers) Amber that is in the region of their lowest visual sensitivity.

TECHNICAL SPECIFICATIONS

| | |
|----------------|-----------------------------------|
| Product | Lochie™ LED Conveyor / Area Light |
| Model | LOCH |

Optical Characteristics

| | |
|--------------------------------|---------------------|
| Luminous Flux (Photometered) * | 7041.7 lm |
| CCT | CWT / WWT / AMB |
| CRI | >80 excluding amber |

Electrical Characteristics (Luminaire)

| | |
|-------------------|------------------------------|
| Power Consumption | 66W Typical |
| Nominal Voltage | 230VAC |
| Voltage Range | 90 – 305VAC, 127 – 431VDC |
| Frequency Range | 47 – 63Hz |
| Power Factor | >0.95 / 230VAC |
| Leakage Current | <0.75mA / 277VAC |

Environmental

| | |
|-------------------------------|--|
| IP Rating | IP66 |
| Temp. Range | -10 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) | Polycarbonate |
| Material Composition (Cover) | Polycarbonate |
| Mounting/Bracket Type | Pole To DN50 pipe Ø 60.3mm |
| Cable Gland | M20 x 1.5 SS316 |
| Cable Ø Entry Range | 10 – 14mm |

Weight/Packaging

| | |
|----------------------|-------------------|
| Luminaire Weight | 4kg |
| Packaging Dimensions | 450 x 135 x 180mm |
| Packaged Weight | 4.5kg (Standard) |

Compliance (Safety Standards)

| | |
|------------------|---|
| AS/NZS 60598.1 | Luminaires - General Requirements and Tests |
| AS/NZS 60598.2.1 | Luminaires - Particular requirements - Fixed general purpose luminaires |

Compliance (EMC)

| | |
|----------------|---|
| AS/NZS CISPR15 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
|----------------|---|

Warranty

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

* Optical and electrical characteristics are measured using Warm White LEDs (WWT)

COLOUR TEMPERATURES



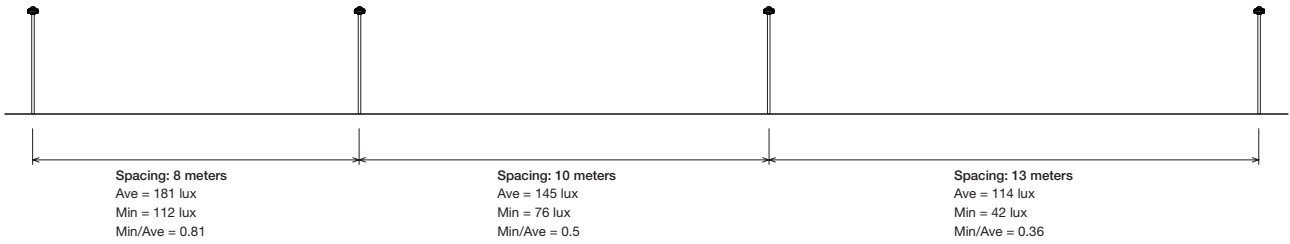
All colour temperatures are indicative. Some variation can occur.

SPACINGS

WWT-T1 Optics Model

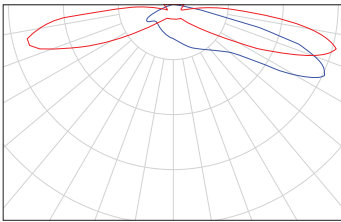
Mounting Height: 2.7m Maintenance Factor: 0.7 Walkway Width: 1.5m

*Drawing not to scale



POLAR DISTRIBUTION

T1 (Type 1 Optics)



ORDERING EXAMPLE

LOCH - WWT - T1 - MP

PRODUCT COLOUR TEMP OPTICS SUPPLY OPTION

| PRODUCT | COLOUR TEMP | OPTICS | SUPPLY OPTION |
|---------|-------------------|-----------------------------------|---------------------|
| LOCH | CWT Cool White | T1 Type 1 Optical Distribution | MP Mains Powered |
| | WWT Warm White | | |
| | AMB Amber | | |