



# TUNNEL LED

85W Local Area Light

Unsurpassed reliability meets unrivaled engineering and design excellence with Coolon's Tunnel LED Luminaire.

Specifically designed to withstand most extreme industrial conditions, the Tunnel LED Luminaire boasts optimum failsafe redundancy and delivers a level of CRI emitted light high enough to emulate natural daylight conditions in a stable and flicker free solution, free of dangerous stroboscopic effects.

Designed for lighting of industrial walkways, tunnels and passageways, the Tunnel LED Luminaire is the ideal replacement for conventional gas discharge lamps.

#### Designed for use in:

- Bulkhead Lighting
- Conveyor Tunnels
- Drift Tunnels
- Drill Rigs
- Engine House on Draglines
- General Area Lighting
- Industrial Walkways
- Mine Tunnels
- Pump Rooms
- Stairwells
- Ventilation Shafts





# Built to Last

Engineered to withstand prolonged exposures to harsh environmental conditions and deliver benefits of solid state lighting technology.



# Purpose Made

Made to serve diligently in various industrial tunnels. It's optics are optimised to deliver the best illuminance levels along and across a typical tunnel layout.



## 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.



## QUALITY WHITE LIGHT W/ HIGH CRI

This luminaire emits light with a spectrum closely resembling that of a natural daylight with relatively high colour rendering index (typical CRI of between 75 – 80), enabling excellent colour differentiation.



## 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.

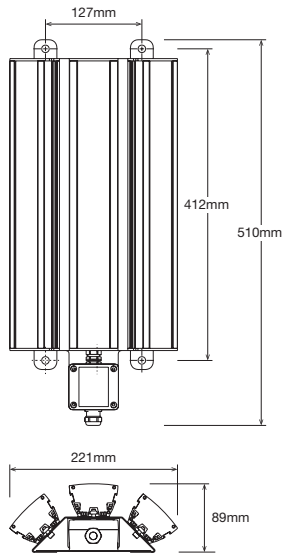


## PROUDLY MADE IN AUSTRALIA

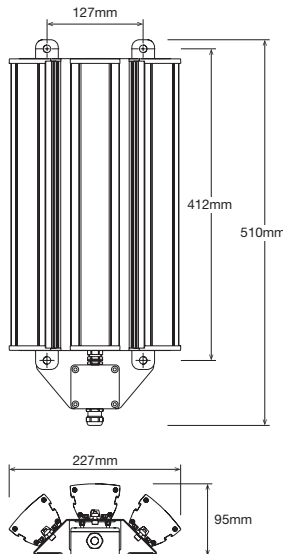
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

## DIMENSIONS

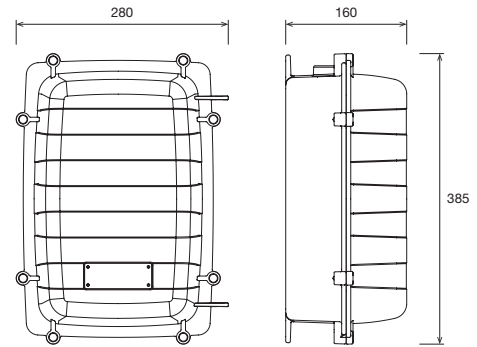
Standard Version



Stainless Steel Version

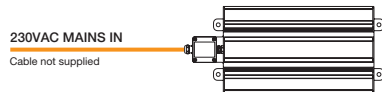


Emergency Power Pack (where applicable)

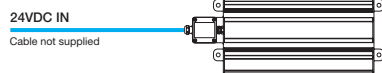


## WIRING CONFIGURATION

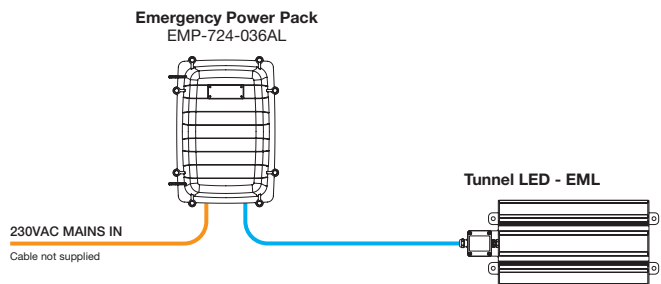
Tunnel LED - MP



Tunnel LED - LVL



Emergency Tunnel LED - EM - KIT1



## TECHNICAL SPECIFICATIONS

Product	Tunnel LED	
Model	MP	LVL
Optical Characteristics		
Luminous Flux (Photometered)	3135 lm	
Luminous Flux (LED Lumens)	3900 lm	
CCT	5500K ~ 6800K	
CRI	>80	
Electrical Characteristics		
Power Consumption	81W Typical, 88W Start	
Nominal Voltage	230VAC	24VDC
Voltage Range	90 - 280VAC 127 - 396VDC	22 - 26VDC
Frequency Range	47- 63Hz	N/A
Power Supply (In-built)	HLG-150H-24	N/A
Power Factor	>0.95 / 230VAC	N/A
Leakage Current	<2 mA / 240VAC	N/A

<b>Environmental</b>	
IP Rating	IP66
Impact Rating	IK09
Salt Spray Tested	Yes
Operating Temp. Range	-20 ~ +50°C
Thermal Management Type	Active/Continuous
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Body)	Aluminum Alloy (Marine Grade Black Anodized)
Material Composition (Optics)	Protective Polycarbonate Frosted / Clear Cover
Material Composition (Bracket)	Steel / Stainless Steel Bracket

### Emergency (EMP)

Charge Time	8 hours
Battery Type	SLA
Discharge Time	Over 2 hours

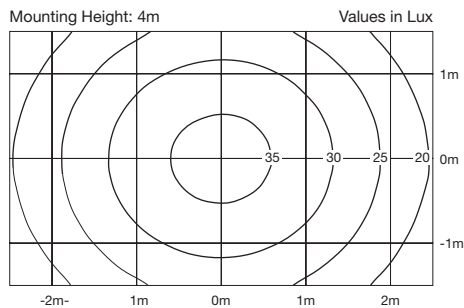
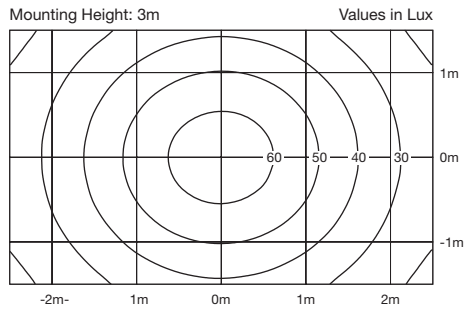
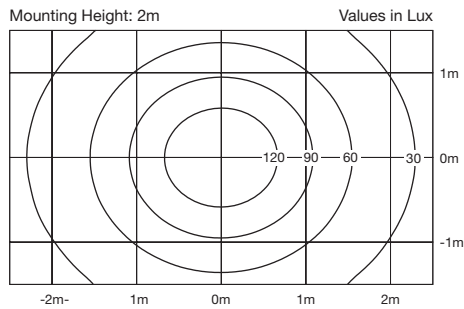
### Weight/Packaging

Luminaire Weight	6.2kg
Packaging Dimensions	570 x 230 x 170mm
Packaging Weight	6.7kg (ST) 7kg (SS)

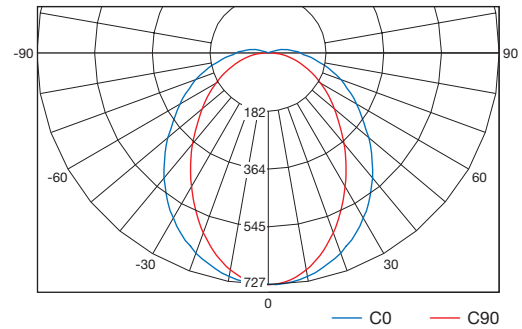
### Warranty

Warranty	3 Years
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## ILLUMINANCE AT DISTANCE



## POLAR DISTRIBUTION



## ORDERING EXAMPLE

**TL - 36 - L30D - MP<sup>1</sup>**

PRODUCT      TYPE      OPTICS      SUPPLY OPTION

PRODUCT	TYPE	OPTICS	SUPPLY OPTION
TL	36	Tunnel LED Standard Version	L30D    L30 Diffused
	36SS	Tunnel LED Stainless Steel Version	
			MP    Mains Powered
			LVL    Low Voltage Luminaire
			EML    Luminaire for Emergency Pack
			EM-KIT1    Kit with AL Emergency Pack
			EM-KIT2    Kit with SS Emergency Pack

<sup>1</sup> If SUPPLY OPTION is not specified, Standard Configuration Mains Powered will be supplied  
 If SUPPLY OPTION "EM" is specified without kit specification, KIT1 will be supplied

## TL-EM KIT OPTIONS

KIT	UNIT SUPPLIED	DESCRIPTION
KIT1	TL - ***- L30D - EML	TL36 Luminaire for Emergency Pack
	EMP-724-036AL	Emergency Pack Aluminium Enclosure
KIT2	TL - ***- L30D - EML	TL36 Luminaire for Emergency Pack
	EMP-724-093SS	Emergency Pack Stainless Steel Enclosure