

# eLighting Linear LED Tri-Proof



The Tri-proof series is a durable IP65 lighting system designed to withstand high pressure jets of water splashes from any direction. It's anti-corrosive as well as impact resistant. Halting the ingress of any dust and can tolerate 5 joules of impact. The tri-proof is an attractive sturdy replacement for outdated vapour proof fittings which use old lethargic inefficient power hungry fluorescent tubes and ballasts. This system provides energy savings in excess of 70%. The tri-proof system illuminates with the highest possible quality of light presently available and is suitable for a wide variety of indoor, outdoor and industrial applications.



## Construction & Installation

The Gen2 Tri-Proof Linear Luminaire is constructed with a more durable Body sealed with long lasting gaskets, and Polycarbonate Diffuser enhancing uniform light transmission while encapsulating a thicker Aluminium Alloy (6063) cooling tray for enhanced heat dissipation. Lined by series of 2835 SMD LEDs which are powered by an insulated electronic driver. This luminaire is free of glass, mercury and any hazardous substances. The Tri-Proof luminaire is supplied with 1.5mm 3Core Cable and Surface Mount Clips for a hassle free and quick installation.

## Electrical Specifications

The Tri-Proof Linear luminaire operates on 100 ~ 277V(305) AC. Utilising a premium quality electronic driver set offering reduced harmonic distortion and electromagnetic interference with no visible flicker. Completely Flicker free versions are available to compliment the highly efficient LED systems along with industry leading power factor and system efficiency. Driver performance can be customised to client specification upon request.

## Applications

Ideal for areas which are exposed to the elements. Cold-rooms, Food preparation areas, Factories, warehouses and numerous outdoor areas. This luminaire can be utilised in array of applications safely and effectively.

### Features

IP65

Dust Proof

Corrosion proof

IK08 Rating

Optional Integrated Sensor

Optional Integrated EMG

3000K / 4000K / 5000K / 6000K

50 000 Hours L70B10

5 Year Warranty

Made in South Africa

Model	Length	Power	Luminous Flux	Colour	Beam Angle	CRI
TRIPG2-2	600mm	18w / 26w	up to 4020lm	3000K, 4000K, 5000K, 6000K	120°	82Ra
TRIPG2-4	1200mm	36w / 48w	up to 7435lm	3000K, 4000K, 5000K, 6000K	120°	82Ra
TRIPG2-5	1500mm	46w / 60w	up to 9295lm	3000K, 4000K, 5000K, 6000K	120°	82Ra

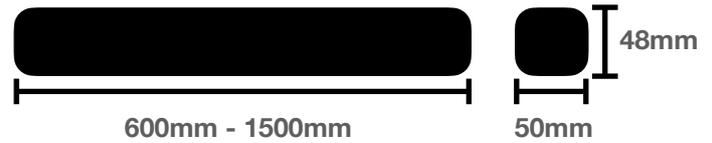
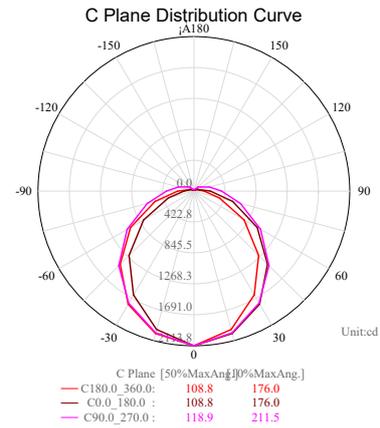
\*Specifications may vary depending on CCT and luminaire wattage.

\*\*Lumen output is NET after loss.

# Luminaire Data

## Luminaire Specifications

Input Voltage	100V -277 (305V) AC
Frequency	50 / 60 Hz
Power Factor	>0.97
Rated Life	50 000 Hours
SDCM	>3 Macadam
Lumen Maintenance	L70B10
Ingress Protection	IP66
Up Lumen %	8,74%
Down Lumen %	91,26%

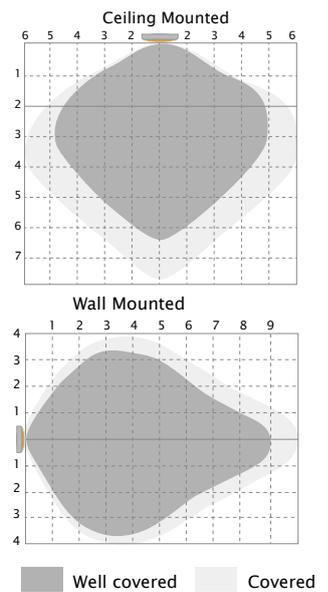


## Variation Information

**Integrated Motion Control** \*Available in Regular Switch or DALI Control versions

### High Frequency Sensor

Operating voltage	220-240VAC 50/60Hz	Microwave frequency	5.8GHz±75MHz
Switching capacity	Max.400W	Microwave power	<0.3mW
Stand-by power	≤0.5W	Mounting height	2.5-6m (ceiling mounted)
Operating temperature	-20°C~+55°C	Detection range $\varnothing$ r	3-6m (ceiling mounted)
Detection area	10%/50%/75%/100%	Motion detection	0.5~1.5m/s
Hold time	5s/90s/5min/15min	IP rating	IP20
Daylight threshold	2Lux/10Lux/50Lux/Disable	Warranty	5 years



## Digital Control Gear

The Linear LED Tri-Proof Luminaire is available with DALI-2 Digital Control Gear. The DALI-2 Control Gear makes the Tri-Proof compatible with DALI-2 Digital Lighting Systems enabling a wide variety of digital control functions such as:

**Individual Control in Light Systems**

**Flawless Digital Dimming**

**Energy Consumption Monitoring**

**Fault Finding in Light Systems**

**Connect to the Internet of Things and BIM Systems**

**Motion Sensor Integration**

# Explosion Proof

The Linear LED Tri-Proof can be equipped with an EX Compression Gland and has the following Zone 2 Certification for above ground applications;

**Ex ec IIC T5 Gc | Ex tb IIIC T100° Db IP65**

Additional compliance include the following Standards;

**SANS (IEC) 60079-0:2019 | SANS (IEC) 60079-7:2019 | SANS (IEC) 60079-31:2014**



## Integrated Emergency Battery Backup



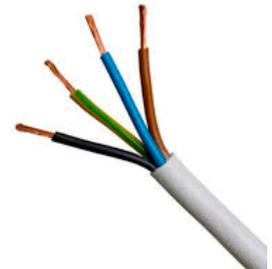
### System Specifications

Battery Technology	Lithium Ion
Charge Time	24 Hours (Standard)
	6-8 Hours (Fast Charge)
Backup Duration	3 Hours @ 50w Consumption
Backup Illuminance	20% of Original Output
Backup Options	Maintained
	Non- Maintained
	Switchable
Testing	Self Testing Optional



### 4 Core Wiring

- Live
- -Switched
- -Permanent
- Neutral
- Earth



## Alternative Input Voltage



The Linear LED Tri-Proof Luminaire is available in Alternative Voltage Input Options:

- Direct Current 12V
- Alternating Current 110V

The alternative input voltages do not cause any changes in wattages or light output of the luminaire.

## Optional Accessories

