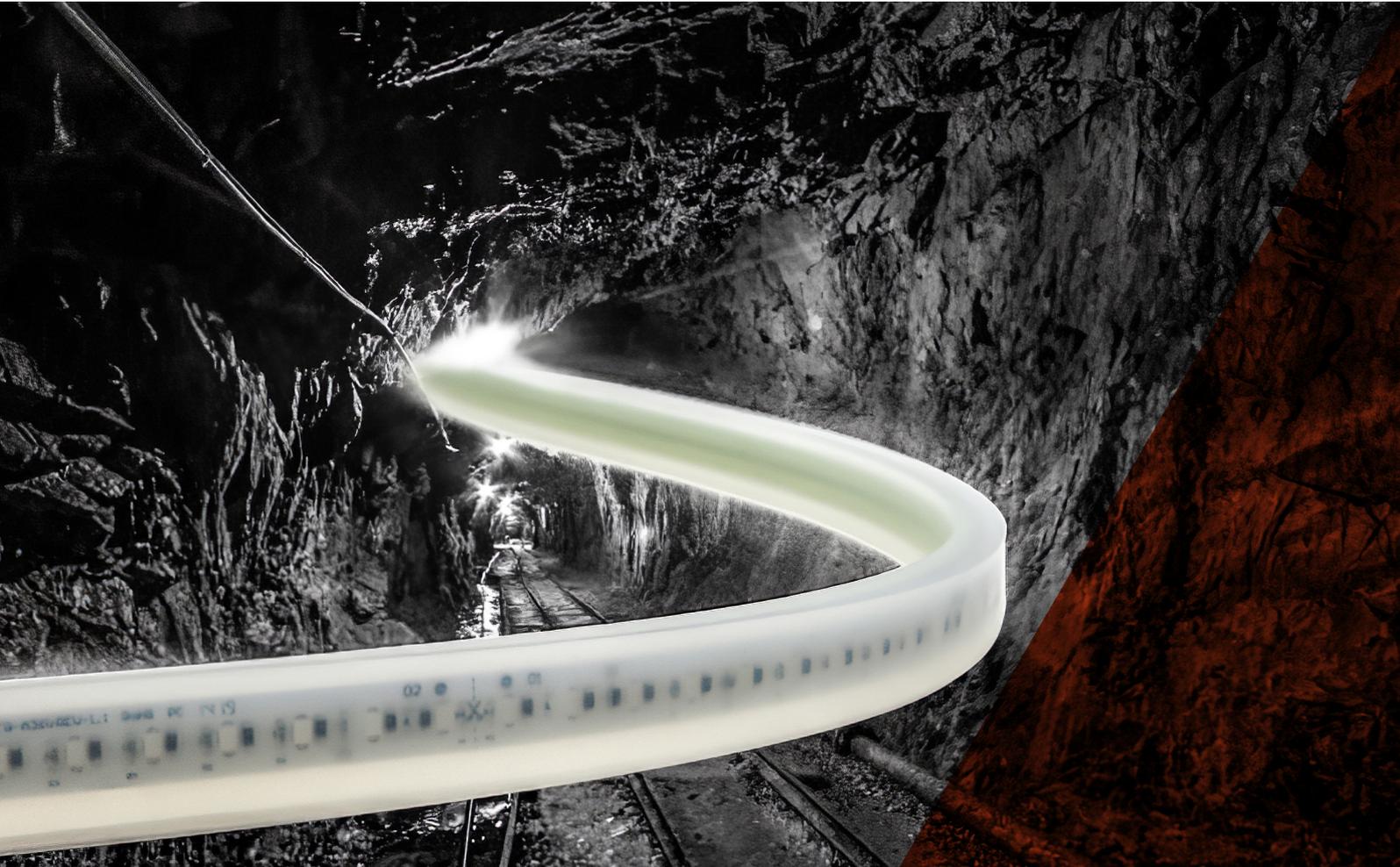


# The first explosive-proof LED strip light

mineglow



## Exceptional lighting for Explosive environments

MineGlow Safety Solution: Explosive-Proof  
LED Strip Lighting



IECEX TSA 21.0013X

# Exceptional lighting for Explosive environments

MineGlow's Exm IECEx and ATEX certified lighting is purpose built to prevent explosions in oil refineries, underground mining, petrochemical plants and other volatile industrial applications.

This robust, zero harm safety solution combines the exceptional protection of IECEx certification with the proven efficiency and flexibility of MineGlow's premium industrial-grade LED strips.



CLASS 1 - GASES ZONES 1-2	CLASS 2 - DUST ZONES 21-22
<p><b>SUBSTANCE</b> FLAMMABLE GASES, VAPOUR OR LIQUIDS Acetylene, Hydrogen, Ethylene, Propane</p>	<p><b>SUBSTANCE</b> COMBUSTIBLE DUSTS Conductive dust, non-conductive dust, combustible flyings</p>
<p><b>TYPICAL ENVIRONMENT</b></p> <ul style="list-style-type: none"> <li>✓ Oil and gas drill rigs</li> <li>✓ Oil and gas production platforms</li> <li>✓ Oil and gas floating production ships (FSPO's)</li> <li>✓ Product Distribution Terminals</li> <li>✓ Liquid natural gas ships</li> <li>✓ Liquefaction terminals</li> <li>✓ Regasification terminals</li> </ul>	<p><b>TYPICAL ENVIRONMENT</b></p> <ul style="list-style-type: none"> <li>✓ Underground coal mines</li> <li>✓ Surface coal mines</li> <li>✓ Industrial and storage facilities</li> <li>✓ Grain silos</li> <li>✓ Paint factories</li> <li>✓ Paper and textile mills</li> </ul>



MineGlow's Exm range isolates and contains sparks to prevent explosions from escaping and igniting gases, dusts, fibres and particles in hazardous atmospheres.

# Flexible by design. Flexible by nature.

Exm LED strip lighting delivers a highly flexible and customisable solution for applications where flammable and explosive substances are present.

- Choose custom lengths from 15 to 30 metres
- Select the voltage, level of illumination and colour for your application and work zone
- Install on any fixed or mobile surface including curved or uneven surfaces and corners
- Reach hard-to-reach places



## Benefits

- Reduces catastrophic incidents by preventing sparks and ignition
- Withstands extreme vibration and impact
- Reduces installation, maintenance and operating costs
- Improves operational efficiency and sustainability
- Maximises workforce productivity and wellbeing



### FLEXIBLE

For hard-to-reach places.  
Mountable on any surface



### LONG LIFE SPAN

Up to 50,000 hrs backed with a five year warranty



### FAST DEPLOYMENT

Simple, cost effective installation



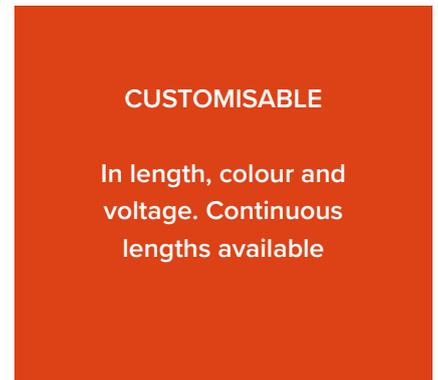
### 180° BEAM ANGLE

For floor to ceiling illumination



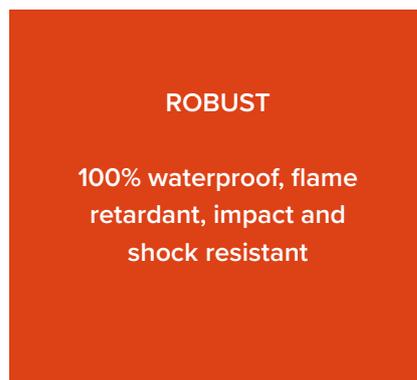
### SUSTAINABLE

Low energy LED chips technology



### CUSTOMISABLE

In length, colour and voltage. Continuous lengths available



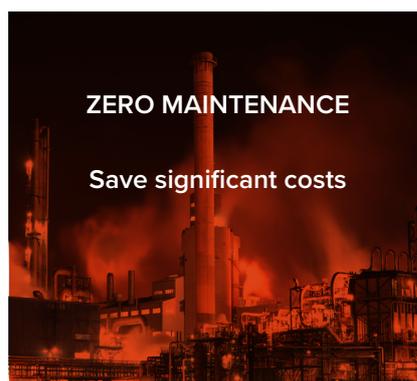
### ROBUST

100% waterproof, flame retardant, impact and shock resistant



### SILICONE PVC

Repels dust, humidity and other particles



### ZERO MAINTENANCE

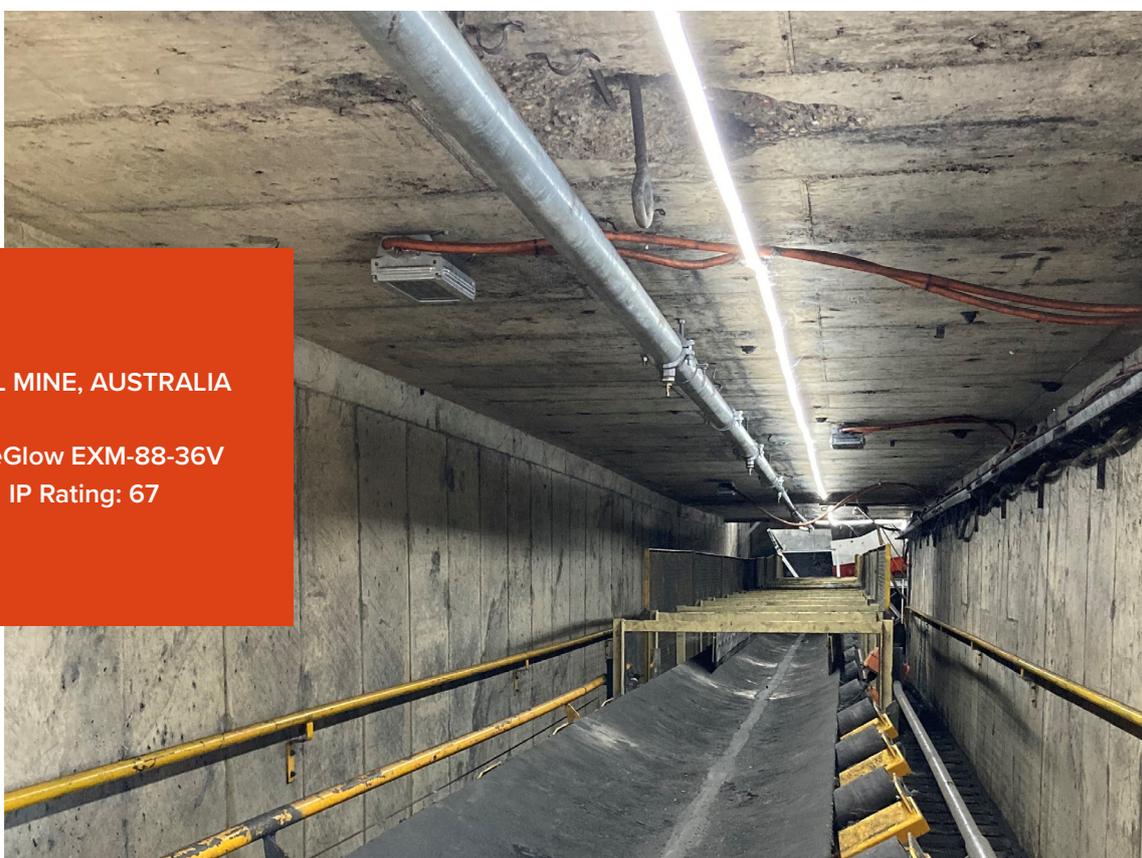
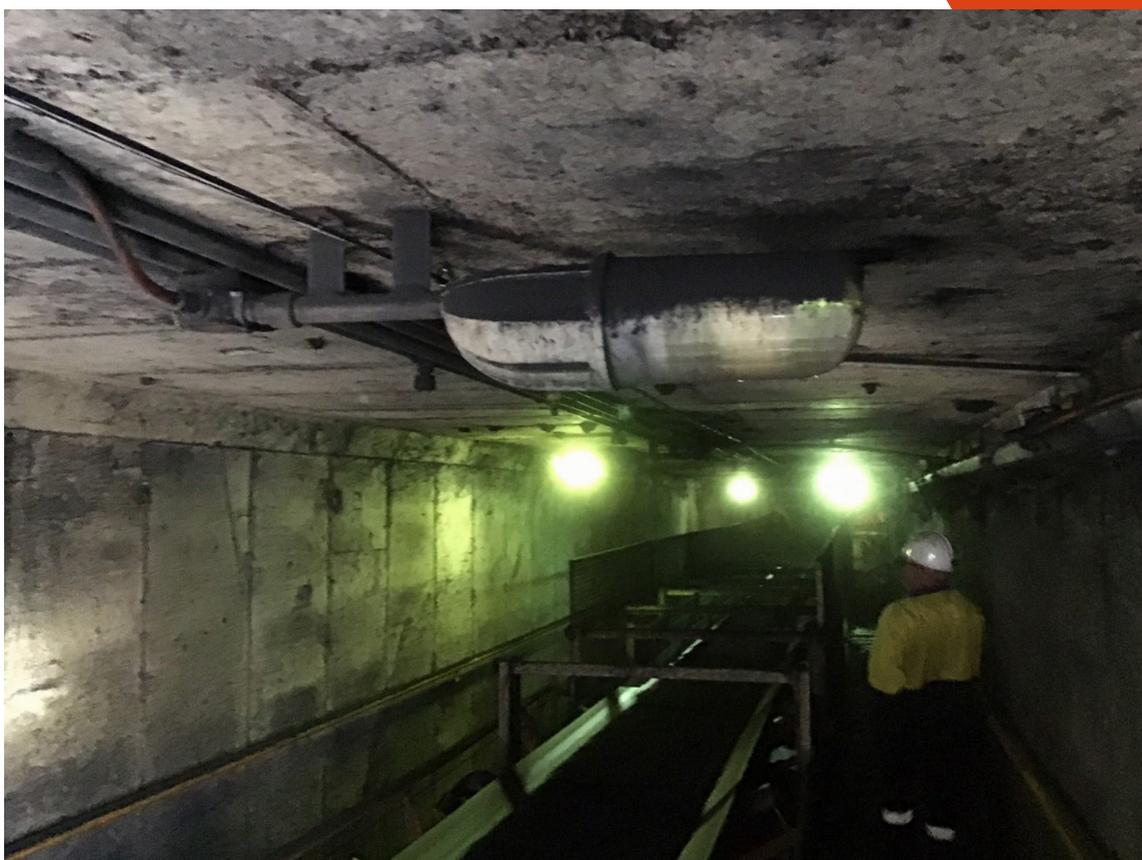
Save significant costs



### IECEX CERTIFIED

For explosive environments

## Before and after installation

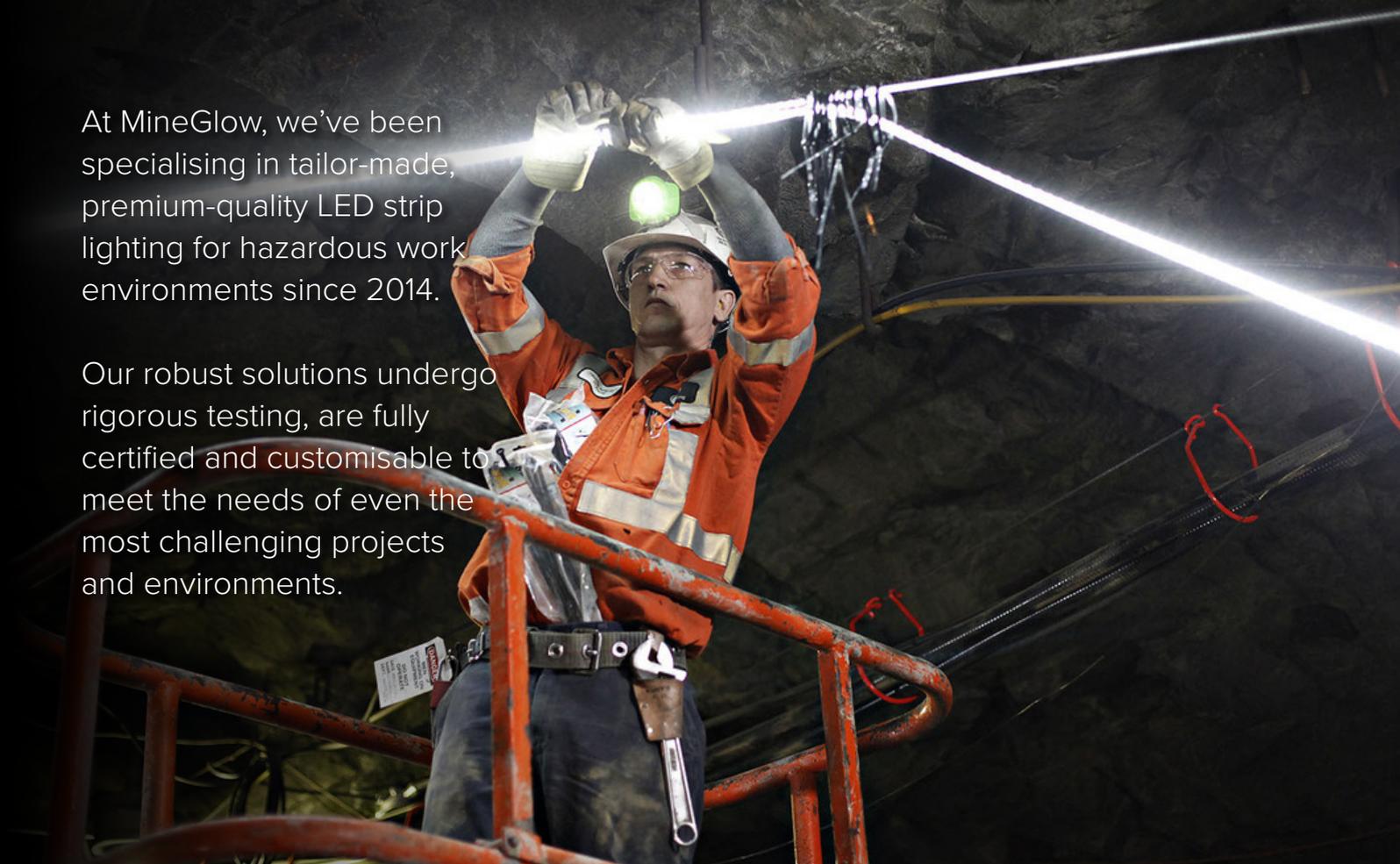


COAL MINE, AUSTRALIA

MineGlow EXM-88-36V  
IP Rating: 67

At MineGlow, we've been specialising in tailor-made, premium-quality LED strip lighting for hazardous work environments since 2014.

Our robust solutions undergo rigorous testing, are fully certified and customisable to meet the needs of even the most challenging projects and environments.



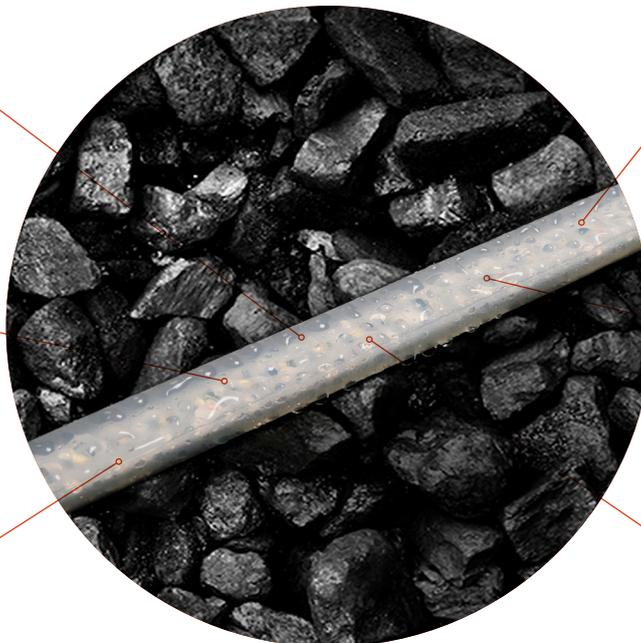
## How it works

Every MineGlow Exm LED strip is fully encapsulated with silicone, has excellent anti-UV performance, operates at low/high temperatures and is low maintenance.

Copper belt reduces voltage drop

Double extruded layer of certified food grade, non-toxic and fire-retardant silicon contains any ignition or spark

Flexible printed circuit board and inner protection layers



High quality, high brightness SMD LED chips available in 24V, 36V, 48V DC

Injection moulded connectors for IP67 water ingress protection

High quality matte finish to repel dust and fine particles



MineGlow's LED lights will meet your required level of illumination, including full daylight conditions for maximum safety and productivity.

## Specifications

Customisable to meet your needs. Choose your length, LED quantity, brightness and colour.

MineGlow Model No.	LED QTY/m	Lumen/m	Rated power/m	Other LED QTY Options	Colour
mb-F2010b-ccccV-dd-eee-fffM-gggW Exm-DC48V-84-W	84	>1000lm	12w	56, 28	6500k, Red, Green, Amber
mb-F2010b-ccccV-dd-eee-fffM-gggW Exm-DC36V-88-W	88	>1000lm	12w	66, 44, 22	6500k, Red, Green, Amber
mb-F2010b-ccccV-dd-eee-fffM-gggW Exm-DC24V-84-W	84	>1000lm	12w	70, 56, 42	6500k, Red, Green, Amber



IECEX TSA 21.0013X

“The MineGlow product ticked all our boxes and has proven to be a good investment and improvement to the standards we strive for.

By introducing MineGlow’s white LED strips in our substations, pump station and underground workshops, we have created a well illuminated, professional environment of the highest standard.”

**Electrical Superintendent  
Gold Mine - Ghana, West Africa**



# Our promise

mineglow

At MineGlow, we know that not all LEDs are created equally. That's why every MineGlow solution meets our stringent commitment to quality, safety and sustainability. Our QSS commitment underpins our reputation for excellence in everything we do - from research and development to customer service and support.

## MineGlow Exm range

### QUALITY

- ✓ Premium, industrial grade
- ✓ Rugged, purpose-built components
- ✓ Long lifespan of +50,000 hours
- ✓ Five-year warranty
- ✓ Independently tested
- ✓ Certified to local and international standards
- ✓ ATEX and IECEX approved
- ✓ Customisable
- ✓ After sales customer support

### SAFETY

- ✓ 180° beam angle for floor to ceiling illumination
- ✓ Resistant to dust, chemicals and extreme temperatures
- ✓ Water resistant
- ✓ Fire retardant
- ✓ Three colours for hazardous zone identification
- ✓ Emergency pulse options
- ✓ Fast, simple installation for safe deployment

### SUSTAINABILITY

- ✓ Low energy LED chips technology
- ✓ Zero maintenance

## Contact us today

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