



# EX-PROOF LIGHTING

## Content of Ex-Proof Lighting

### **Ex-proof Luminaire**

- Ex-proof LED Luminaire
- Ex-proof T8 Waterproof Luminaire

### **Ex-proof Floodlight**

### **Ex-proof Highbay Luminaire**

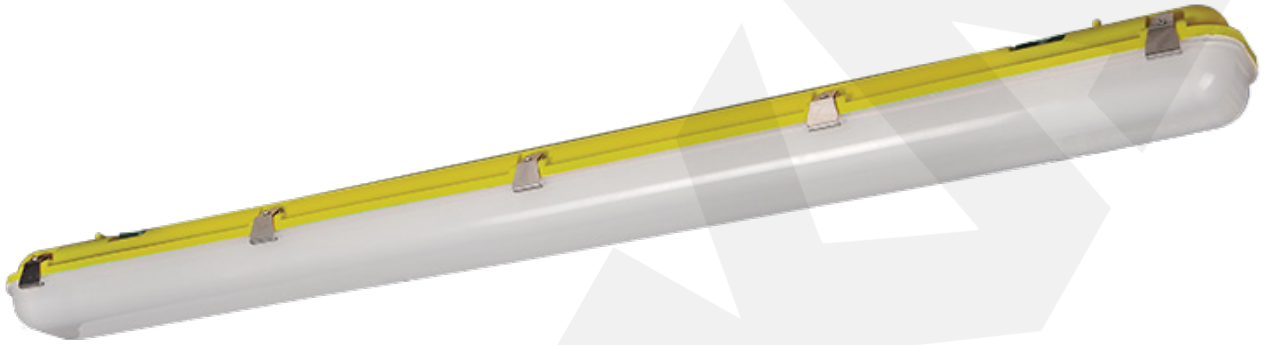
### **Ex-proof LED Canopy Luminaire**

### **Ex-proof Spotlight**

### **Ex-proof Portable Lighting Fixtures**

### **Ex-proof Emergency, Warning and Signal Lighting**

## EX-PROOF LED LUMINAIRE



### TECHNICAL DATA

**Luminaire Body:** GRP

**Luminaire Diffuser:** High transmission PMMA Opal cover with UV protection, non-yellowing throughout lifetime of the luminaire

**Led Type:** SMD Mid Power

**Power(W):** From 25W up to 45W

**Mains Voltage(V):** From 220-240V

**Colour Temperature(K):** 4000-6500K

**IP Protection:** IP65

### INTRODUCTION

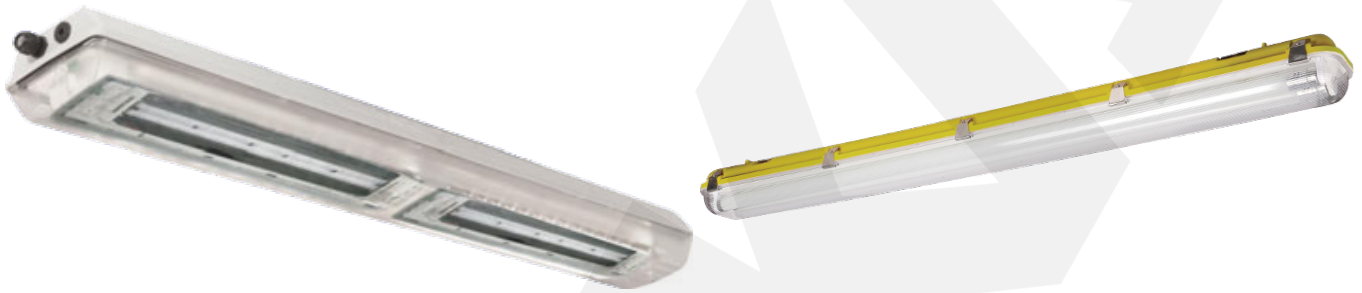
Ex-Proof luminaires may be utilized safely in places with a high risk of explosion as well as hazardous gas and dust environments. Ex-proof lighting fixtures have exceptionally tough lenses that can resist rigorous working conditions and avoid cracks that may lead to leaks.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station



## EX-PROOF T8 WATERPROOF LUMINAIRE



### TECHNICAL DATA

**Body:** Fiberglass  
**Reflector:** Electrostatic powder coated nonyellowing metallic reflector providing optimum diffusion  
**Luminaire Diffuser:** High Transmission Opal Prismatic Cover  
**Base:** G13  
**Lamp Type:** TL-D  
**Power(W):** From 25W up to 45W  
**Mains Voltage(V):** From 220-240V  
**Colour Temperature(K):** 4000-6500K  
**IP Protection:** IP65

### INTRODUCTION

Ex-Proof luminaires may be utilized safely in places with a high risk of explosion as well as hazardous gas and dust environments. Ex-proof lighting fixtures have exceptionally tough lenses that can resist rigorous working conditions and avoid cracks that may lead to leaks.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station



## EX-PROOF LED FLOODLIGHTS



### TECHNICAL DATA

**Luminaire Body:** Poly Carbonate, Aluminium, Aluminium Injection(with/without Electrostatic Powder)  
**Luminaire Diffuser:** PMMA, Clear Glass, Opal Diffuser  
**Led Type:** High-power LED  
**Power(W):** From 8W up to 150W  
**Mains Voltage(V):** From 220-240V  
**Colour Temperature(K):** 3000-6500K  
**Working Temperature(°C):** From -20°C up to +50°C  
**IP Protection:** IP66  
**Body Colour:** Ral 9003  
\* Other colours can be produced upon the customer's requests.

### INTRODUCTION

Explosion-proof floodlight provides the greatest protection for facilities that store, refine, or manufacture combustible, flammable, or ignitable materials. The long-lasting and robust electrostatic surfacing is applied to the heavy-duty, anodized die-cast shell. This extra protection prevents over voltage and heating, as well as the build up of electrostatic energy.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station



## EX-PROOF HIGHBAY LUMINAIRE



### TECHNICAL DATA

**Luminaire Body:** Aluminium Injection Frame With Electrostatic Powder Coating

**Luminaire Diffuser:** IK08 Standard Compliant, Heat and Impact Resistant, Clear Tempered Glass

**Led Type:** SMD Mid Power LED

**Power(W):** From 50W up to 200W

**Mains Voltage(V):** From 220-240V

**Colour Temperature(K):** 4000-6500K

**Working Temperature(°C):** From -40°C up to +55°C

**IP Protection:** IP66

**Body Colour:** Ral 1023

\* Other colours can be produced upon the customer's requests.

### INTRODUCTION

Ex-proof high-bay luminaires are tempered glass fixtures that can withstand impact. It's utilized in places like refineries, fueling stations, chemical plants, and cosmetics manufacturers where there's a significant risk of explosion. It delivers illumination from various angles thanks to its angle-adjustable mounting brackets.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station



## EX-PROOF LED CANOPY LIGHTING



### TECHNICAL DATA

**Luminaire Body:** Aluminium Injection Frame With Electrostatic Coating

**Luminaire Diffuser:** High transmission PMMA Opal cover with UV protection, non-yellowing throughout lifetime of the luminaire

**Led Type:** SMD Mid Power

**Power(W):** From 50W up to 200W

**Mains Voltage(V):** From 220-240V

**Colour Temperature(K):** 4000-6500K

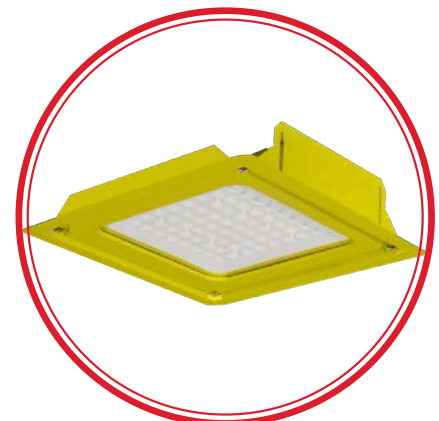
**IP Protection:** IP65

### INTRODUCTION

Ex-proof canopy fixtures are fringe lightings that are placed at industrial locations, such as fuel stations, chemical plants, harbor and shipyards, oil filling plants, and so on, to protect them from harsh and dangerous environments such as rain, snow, dust.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station



## EX-PROOF SPOTLIGHT



### TECHNICAL DATA

**Luminaire Body:** Aluminium Injection Frame With Electrostatic Powder Coating  
**Luminaire Diffuser:** IK08 Standard Compliant, Heat and Impact Resistant, Clear Tempered Glass  
**Led Type:** SMD Mid Power LED  
**Power(W):** From 50W up to 200W  
**Mains Voltage(V):** From 220-240V  
**Colour Temperature(K):** 4000-6500K  
**Working Temperature(°C):** From -20°C up to +40°C  
**IP Protection:** IP66  
**Body Colour:** Ral 1023  
\* Other colours can be produced upon the customer's requests.

### INTRODUCTION

Explosion-proof spotlight is a lighting fixture designed to protect against the ignition of various environmental factors by uncontained sparks. Explosion-proof designs separate the internal electrical reactions of a light fixture from external fumes or hazardous materials.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station





## PORTABLE EX-PROOF LUMINAIRE



### TECHNICAL DATA

**Luminaire Body:** Aluminium Injection Frame With Electrostatic Coating  
**Led Type:** SMD Mid Power LED  
**Power(W):** From 3W up to 25W  
**Mains Voltage(V):** From 220-240V  
**Colour Temperature(K):** 4000-6500K  
**Working Hour:** Up to 16 hours  
**IP Protection:** IP65 - IP66 - IP68

### INTRODUCTION

Ex-proof portable lighting is a lighting fixture that can be picked up, relocated, or plugged in with or without an electrical outlet when the working environment is harsh and dangerous.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station



## EX-PROOF EMERGENCY WARNING SIGNAL LIGHTING



### TECHNICAL DATA

**Luminaire Body:** Aluminium Injection Frame With Electrostatic Coating

**Luminaire Diffuser:** Heat and Impact Resistant, Clear or Blurry Tempered Glass

**Led Type:** SMD Mid Power LED

**Power(W):** From 2W up to 15W

**Mains Voltage(V):** From 220-240V

**Working Hours:** Up to 16 hours

**Working Temperature(°C):** From -20°C up to +55°C

**IP Protection:** IP65 - IP66 - IP68

**Body Colour:** Ral 1023

\* Other colours can be produced upon the customer's requests.

### INTRODUCTION

Ex-proof emergency lighting refers to light sources that are battery-backed or otherwise independently powered and are meant to turn on when a power loss causes low visibility in the workplace. Many workplace standards also demand that emergency lights be installed.

### APPLICATION

- Chemistry Plants
- Paint Plants
- Oil Storage Facility
- Energy Plant
- Harbor and Shipyard
- Oil Filling Plants
- Industrial Areas
- Fuel-Oil Station

