



# FME

## Lighting

ILLUMINATING  
INDUSTRIAL  
APPLICATIONS



# Haz-Flex

*Flexible LED Lighting  
For Hazardous &  
Harsh Environments*

# Overview

The **Haz-Flex** Flexible Strip Light features full silicone encapsulation, offering strong insulation against external ignition sources. Paired with specialized accessories, this compact LED light seamlessly adapts to challenging environments. Engineered for hazardous settings, the explosion-proof fixture delivers steady illumination, ensuring safety and visibility.

With 20 rigorous safety tests and certifications, it is suitable for indoor and outdoor hazardous conditions across industries including petroleum, chemical, and mining.



## Engineered for Explosive & Hazardous Environments

**Location Rating of UL 844 / ETL UL 844 -  
1 Class Division 2**

**Group A,B,C,D | Temperature Code T6 (-25°C~50°C)**

*Class I, Division 2 locations are those in which volatile flammable liquids or gases are handled, processed or used.*

## Applicable Industries

**Haz-Flex's** versatile design and safety features make it a valuable asset for a wide range of industrial applications.

**Steel Mills**



**Oil Wells**



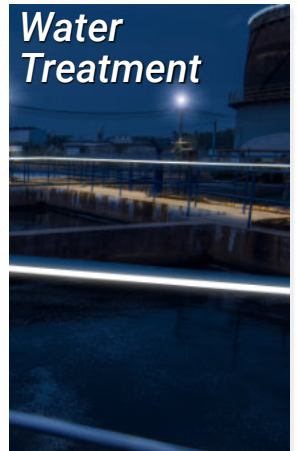
**Refineries**



**Tunnels**



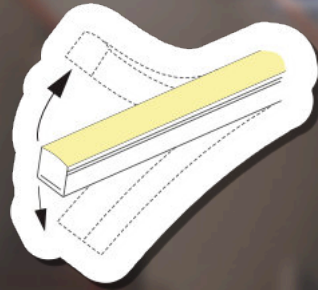
**Water Treatment**



# Features

## Flexibility

Flexible silicone with a bend diameter of 11". Available in wall and suspension mounts.



## IK10 Impact Strength

The silicone housing can withstand more than 100kg of tensile force without breaking.



Saltwater & Solvent Resistant



UV Resistant



IP65 & IP67 Protection



D: ~11 in

Bending Diameter

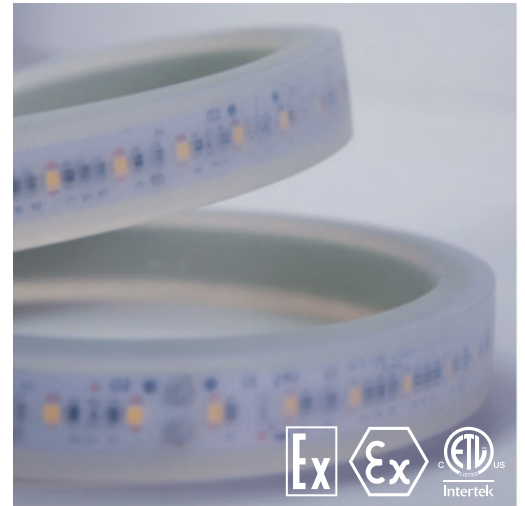
## Inherent Safety

Silicone encapsulation, resistant to flames and UV rays, effectively isolates gases and dust, mitigating the risk of explosions.

Operating at 24V low-voltage, it minimizes the potential for electric shock and ensures safety for outdoor installations.



Ex m



Up to 50,000 hours



24V Low Voltage

## Illumination & Energy Efficiency

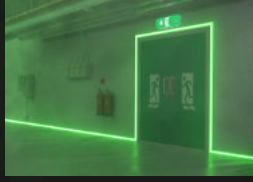
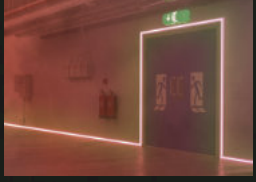
The built-in LED light source offers an efficiency and lasts up to 50,000 hours, reducing maintenance costs and the need for frequent replacements.

## 30m Running Length

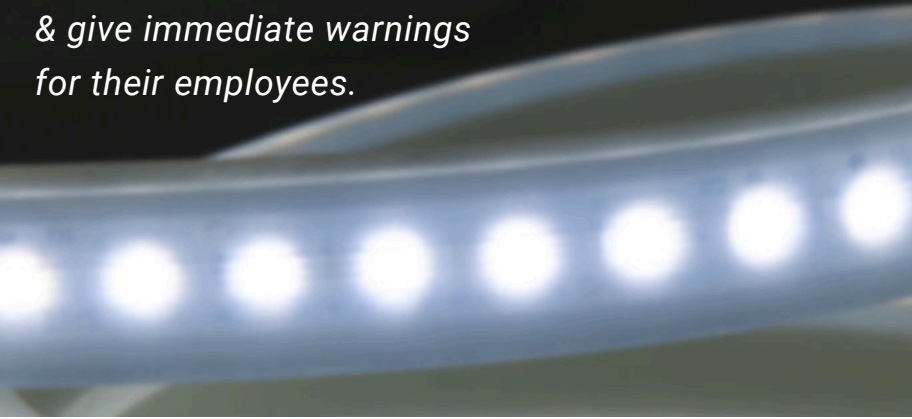
One single light strip can run up to 30m (98.4ft). Ideal for long-range scenarios.

# RGB Color Options

Choose from a range of colors, including white, amber, red, green, blue, or controllable RGB options to suit your specific lighting requirements.



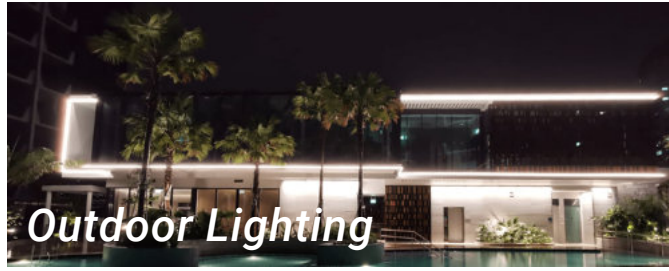
The lights can serve as signal indicators, enabling companies to implement visual safety protocols & give immediate warnings for their employees.



Heli-Pads / Runway



Marine Use

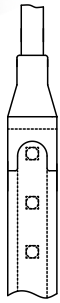


Outdoor Lighting



Charge Station

# Accessories

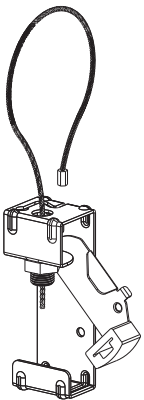


## Injection-Molded Connectors

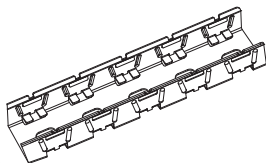
The liquid silicone injection-molded integrated connector is watertight and IP67 rated, guaranteeing resilient outdoor usage without casing cracks and mitigating the risk of short circuits due to water ingress.

## Mounting: Suspension Kit

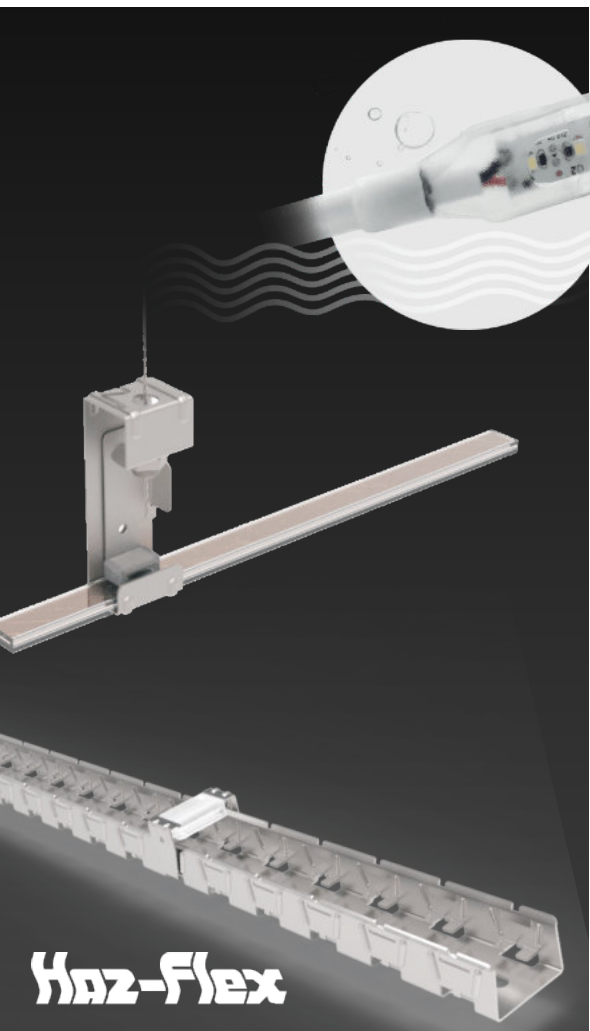
- Simple assembly and disassembly.
- Capable of securely holding lights from ceiling and withstand vibrations.
- Rust-resistant stainless steel housing with adjustable height.



## Mounting: Stainless Steel Profile

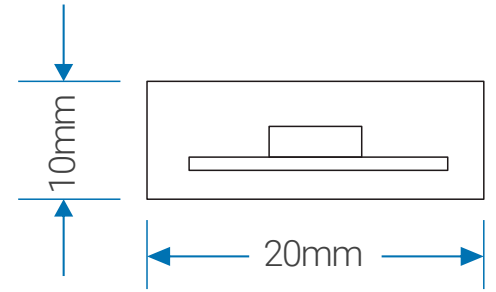
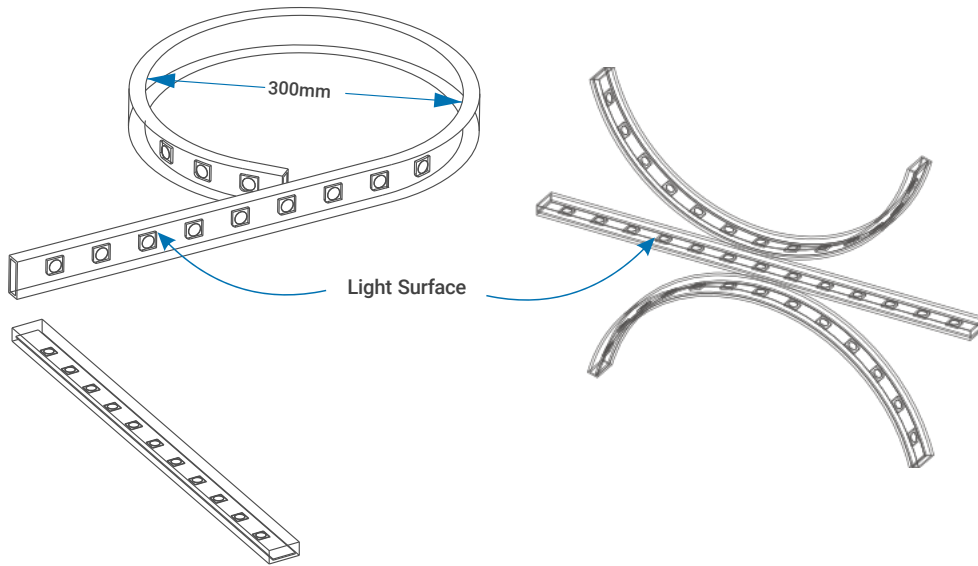


- Quick Setup.
- Mountable to any flat straight surface: ceilings and walls
- The strap and clip design securely holds the lighting fixture in place without sacrificing the light output.



# Dimensions

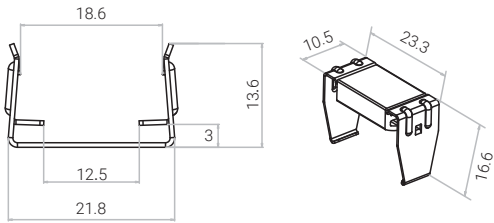
**Haz-Flex**



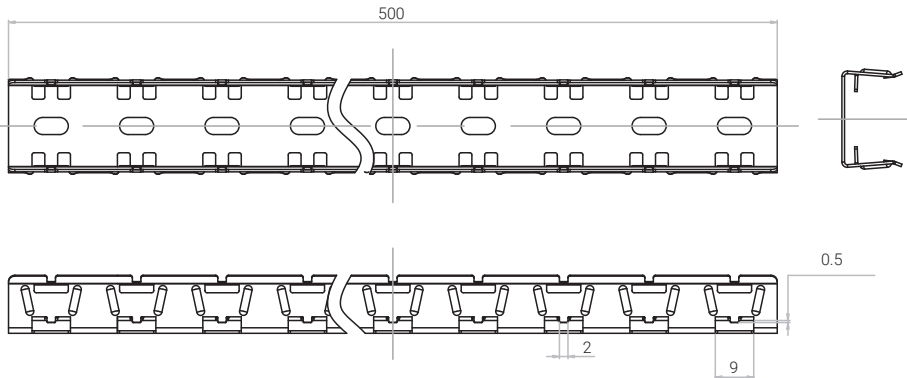
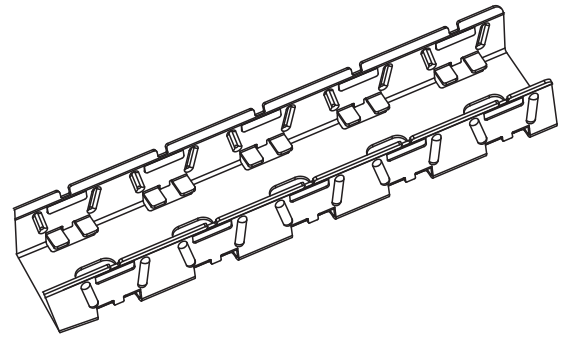
Note: Unless otherwise specified, the tolerance of the dimensions is  $\pm 0.3\text{mm}$ .

## Mounting: Stainless Steel Profile

*In millimeters*



Tolerance:  $\pm 0.2\text{mm}$



## Mounting: Suspension Kit

*In millimeters*

