

# Engineered for Explosive and Hazardous Environments



First Ex Flexible LED Light  
for Use in Zone 1 & 2

## Overview

Safeglo™ Ex LED Flexible Silicone Light is built to deal with extreme conditions in potentially explosive locations where access is difficult and problematic. These flexible linear lights are ATEX and IECEx-certified, being held to the highest safety standards and showing strong commitments to HSE requirements.

Safeglo™ Ex flex lights are low-profile and fit seamlessly in confined and low-clearance areas such as work platforms, mezzanine floors and catwalks where even distribution of light is patchy. One single light runs up to 30m, providing high-level visibility and uniformity, without shadows and glare. Enhance workplace safety in various industries including oil and gas refineries, drilling rigs, food and beverage facilities, chemical plants, paper/flour mills and poultry/dairy farms.

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x-Glo is our global exclusive partner for mining industry.

SafeGlo™



# Ex LED

## Flex Linear Light

Zone 1/2

Zone 21/22

MINING

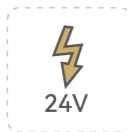
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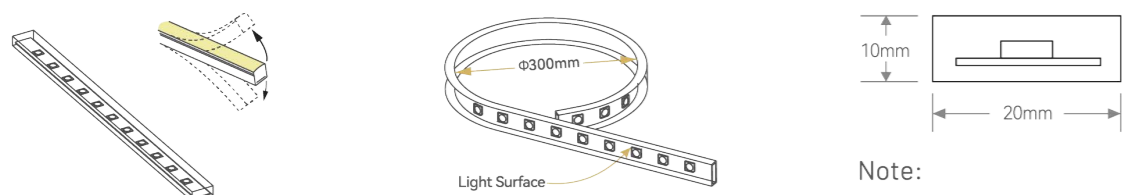


## Features

- Flexibility**  
Able to attach to a wall or beam, or fit neatly in recesses or suspension.
- Durability**  
The silicone housing can withstand more than 100kg tensile force without breaking.
- Inherent Safety**  
Silicone encapsulation isolates explosive gases and minimizes explosion risks; 24V low-voltage reduces risks of serious electric shock and ensures safety for outdoor lighting installations.
- 30m-Running Nonstop Length**  
Ideal for long-range scenarios including hand rails and stairs.
- Efficacy & Efficiency**  
Built-in LED light source boasts a luminous efficiency up to 83lm/W and a lifespan up to 50,000 hours.
- RGA Color Options**  
Multiple color options are available including white, red, green, amber or RGA colors depending on what function or purpose the place requires.



## Dimensions

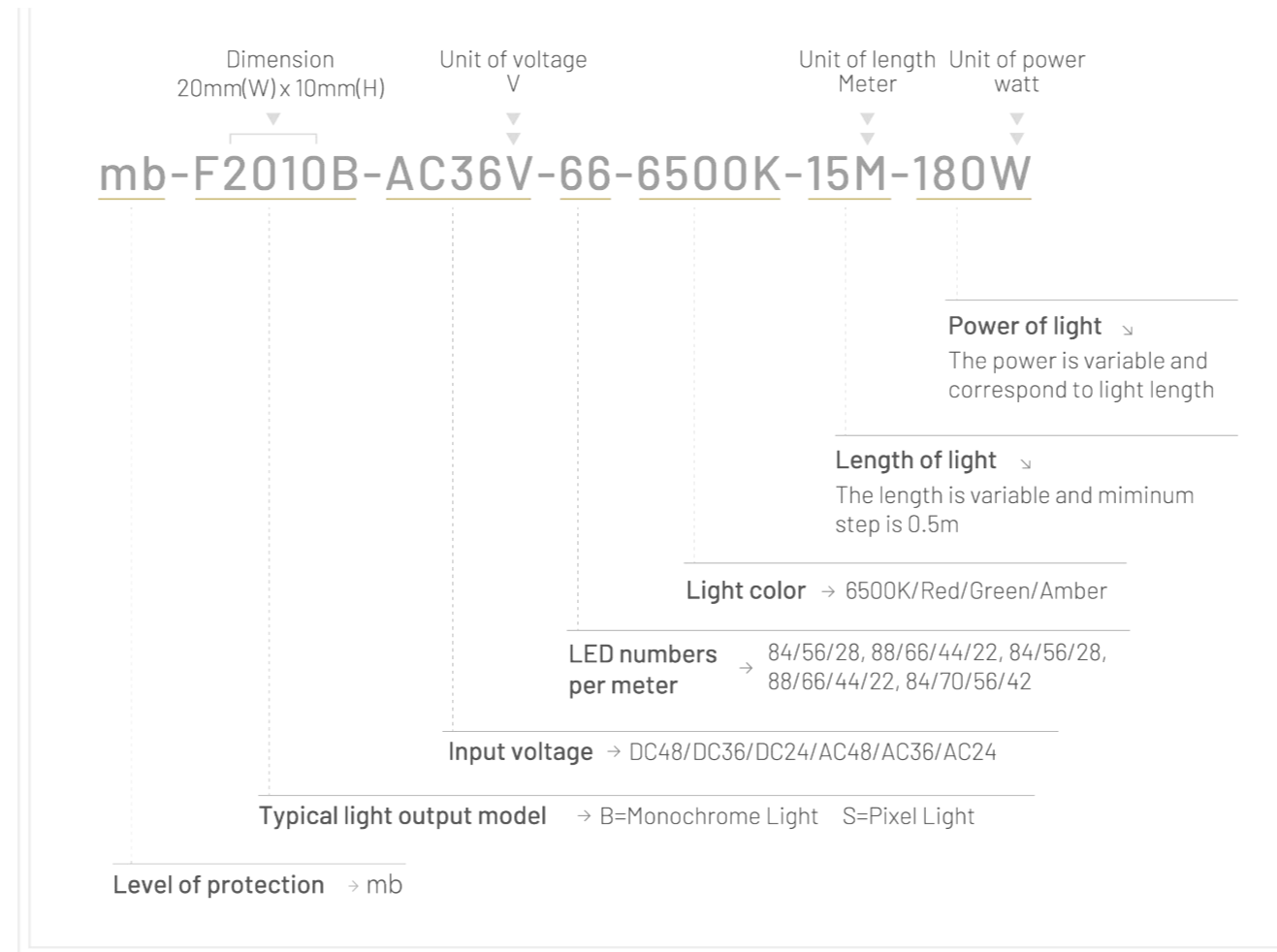


Note:  
Unless otherwise specified, the tolerance of the dimensions is  $\pm 0.3\text{mm}$ .

## Applicable Environments

- I M2 Ex mb op is I Mb
- II 2G Ex mb op is IIC T6 Gb
- II 2D Ex mb op is IIIC T80°C Db
- II 2G Ex mb op is IIC T4 Gb
- II 2D Ex mb op is IIIC T135°C Db

## Naming Convention



## Basic Parameters

Manufacturer Part No.	LED QTY/m	Lumen/m	Rated power/m	Other LED QTY options	Color
C-EXFR- (Pro) F2010B-XX-YY-AC48V	84	>900lm	12w	56, 28	6500K, Red, Green, Amber
C-EXFR- (Pro) F2010B-XX-YY-DC48V	84	>1000lm	12w	56, 28	6500K, Red, Green, Amber
C-EXFR- (Pro) F2010B-XX-YY-AC36V	88	>900lm	12w	66, 44, 22	6500K, Red, Green, Amber
C-EXFR- (Pro) F2010B-XX-YY-DC36V	88	>1000lm	12w	66, 44, 22	6500K, Red, Green, Amber
C-EXFR- (Pro) F2010B-XX-YY-AC24V	84	>900lm	12w	56, 28	6500K, Red, Green, Amber
C-EXFR- (Pro) F2010B-XX-YY-DC24V	84	>1000lm	12w	56, 28	6500K, Red, Green, Amber
C-EXFR- (Pro) F2010S-XX-DC24V	42		3w	28, 14	R/G/A/RG/RGA

xx refers to color, yy refers to LED QTY/m

## Injection-Moulded Connector

The liquid silicone injection-moulded integrated connector is watertight and IP67-rated, ensuring durable outdoor use without causing the casing to crack and eliminating short circuit risks caused by water ingress.



## Mounting Profile



### Suspension Kit

With suspension kit, you can fix the light to shelves or beams.

### Stainless Steel Profile

You can use screws to fix the stainless steel profile on the surface or use straps to attach on pipes or the like.

## Industries

