



Pan American
Professional Lighting Manufacturer

EX-ES01 Series

LED Emergency Exit Sign Light



ATEX
Certification



IECEX
Certification



Emergency
Lighting



IP66



IK10



Five-Year
Warranty



Emergency
Battery



NEMA
Type
4X



“LIGHT THE
ESCAPE PATH
SAFETY
LIGHTS IN CRISIS”



EX-ES01 Series

Product Description

The ES01 series explosion proof exit light is designed for use in locations deemed hazardous due to the presence of flammable vapors, gases or combustible dusts, while providing distinct, highly visible exit marking. It is suited for marking escape routes and exits in hazardous areas. It can be used as Lighting Luminaires, Emergency Lighting Luminaires, and Escape Route Sign Luminaires.

Benefits & Features

Each lamp is equipped with a T-shaped unlocking tool that can be used for all lamps (see the below images)



Emergency control power supply specially designed for the luminaire

Central locking available

3-hour emergency operation

Various exit sign labels for choice, and the labels can be customized

Compliance

● IECEx Marking

Ex db eb mb q IIC T4 T5 Gb
Ex tb IIIC 80°C/90°C Db

● ATEX Marking

Ex II 2G D
Ex db eb mb q IIC T5/T4 Gb
Ex tb IIIC T80°C/T90°C Db

● NEMA Type 4X

● IP66(wet location)
● Impact Resistance (Shock): IK10

Key Information

• Electrical

Model	EX-xxW ES01
Product Type	Can be used as lighting luminaires, emergency lighting luminaires and escape route sign luminaires
Rated Voltage	100-277VAC, 12-36VDC, 50/60Hz
Rated Power	Regular wattage in normal mode: 3W
Emergency Control Power Supply	
Input Voltage	100-277VAC, 50/60Hz
Input Power	Max. 10W
Output Voltage	3 VDC
Emergency Time	3 hours
Response Time	< 0.5 seconds
Charging Time	≤24 hours
Battery	Lithium-ion battery

• Optical

Model	EX-xxW ES01
CCT	2700K-7000K
Beam Angle	120°

• Mechanical

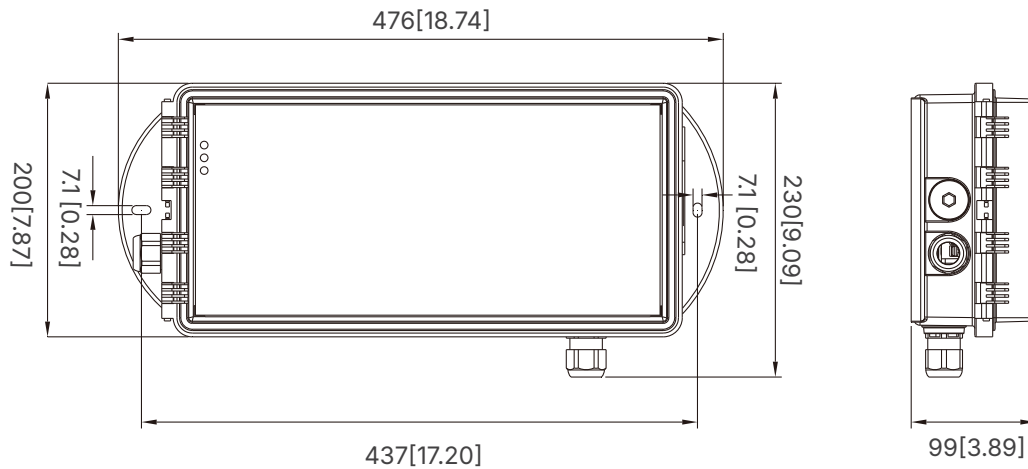
Model	EX-xxW ES01
Housing Material	Glass Fiber Reinforced Polyester Resin
Cover	PC
Bearing	Stainless steel
Mounting Sling	M25×1.5, 3/4" NPT
Cable Entry	M25×1.5
Stopping Plug	PE + N + L
Max. Solid Conductor	4mm ²
Max. Stranded Conductor	2.5mm ²



•Environmental

Model	Temperature Class
EX-xxW ES01	T5/T80°C: -20°C—+35°C; T4/T90°C: -20°C—+45°C

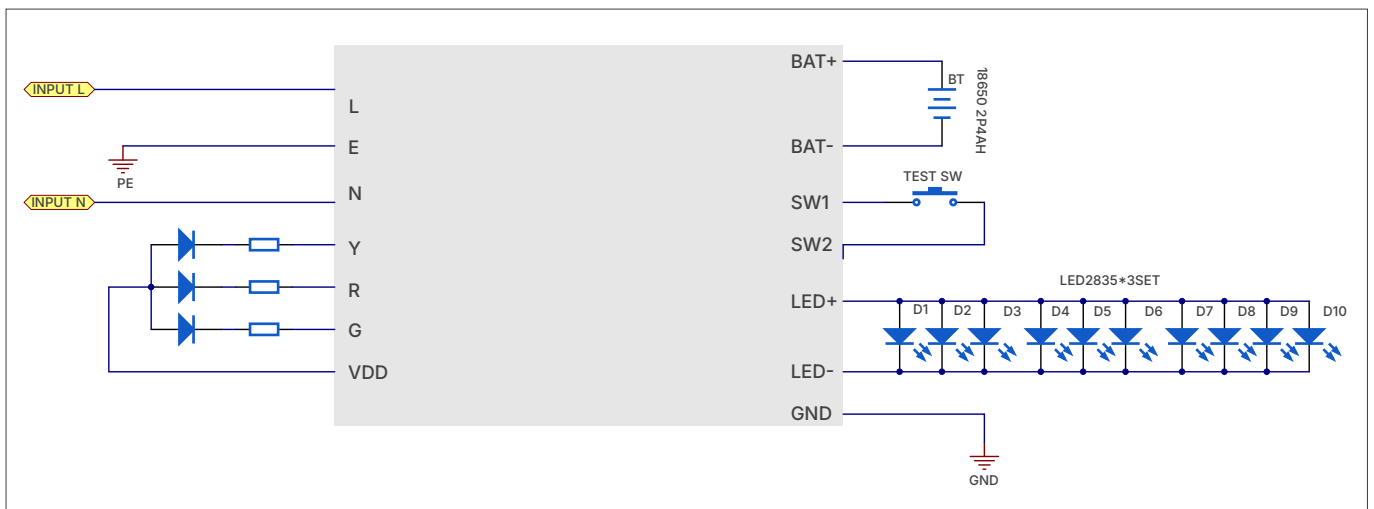
Product Dimensions Unit: mm[inch]



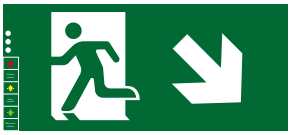
Packing Information

Model	Net Weight	Gross Weight	Packing Size	Quantity/Carton
EX-ES01	4.32kg/9.52lb	5.00kg/11.02lb	550×300×190mm/21.65×11.81×7.48inch	1 Pcs

Circuit Diagram



Optional Letter

Model	Pattern	Model	Pattern
EX-*W ES01N* "N" means that when the luminaires do not have a battery, the main function is lighting.		EX-*W ES01H	
EX-*W ES01Y* "Y" means that when the luminaires do have its own battery, the main function is emergency lighting.		EX-*W ES01I	
EX-*W ES01A		EX-*W ES01J	
EX-*W ES01B		EX-*W ES01K	
EX-*W ES01C		EX-*W ES01L	
EX-*W ES01D		EX-*W ES01M	
EX-*W ES01E		EX-*W ES01N	
EX-*W ES01F		EX-*W ES01O	
EX-*W ES01G		EX-*W ES01P to X Pattern can be customized according to user needs. When ordering, please provide the requirements of local laws and regulations.	

Ordering Guide

EX— **W ES01 - * *

Designates Color temperature optional, it can be 27 to 70 denotes 2700K to 7000K, and each 100K increment, means 100K, max 7000K.
Note: Escape route sign luminaire don't have this option

When the luminaires do not have a battery, the main function is lighting, and its value is "N". When the luminaires have its own battery and its main function is emergency lighting, its value is "Y". When the lamp is an emergency escape route sign luminaire, its value is "A" to "X", See ES01 Series Explosion proof luminaires Manual Table 1.

ES01 Designates Type

The rated wattage range: 1W to 15W.
The rated power is a multiple of 0.5, with a minimum of 1W and a maximum of 15W.
Escape route sign luminaires: max 3W.
Emergency lighting luminaires and Lighting luminaires: Max. 15W.

EX means explosion proof product.