

## Product Description

- LED emergency module suitable for direct installation in ceilings
- Complete set with integrated electronics, LED module, housing, and battery
- Bulkhead / Exit sign
- Normal Function
- Polycarbonate white RAL 9016
- IP65

## Properties

- Output power 1 W
- Very low stand-by power loss
- Maintained and non-maintained variants
- 3 h rated duration (separate variants)
- Plug-in Lithium Iron Phosphate
- 5 years guarantee electronic (LED Driver)
- 2 years guarantee battery



## Technical data

- Rated supply voltage :AC 220 – 240 V
- Mains frequency :50 / 60 Hz
- Time to light (emergency operation) :< 0.5 s from detection of emergency event
- Output current tolerance:  $\pm 5\%$
- LF current ripple :  $\pm 5\%$
- Mains voltage changeover threshold: According to EN 60598-2-22
- Type of protection :IP65
- Impact protection rating<sup>1</sup>: IK04
- Protection : class II
- Colour temperature : 6500 K
- Colour rendering index : CRI > 80
- Nominal life-time : 50,000 h

1.All specifications are typical on the 230VAC unless otherwise stated.

2.The emergency function test must be performed when a battery is fully charged for 24 hours.

Item Code	Batteries	Emergency Power	Emergency Duration	Lumen	Charge Current	Charge Time
EXP-M1N1WBS-3H-LI	3.2V/1500mAh LiFePO4 battery	1W	3h	120lm	200mA $\pm$ 10%	24h

## Service Life

Average life-time 50,000 hours under rated conditions with a failure rate of less than 10% for the emergency converter as rated power. Average failure rate of 0.2% per 1000 operating hours.

## Compliance

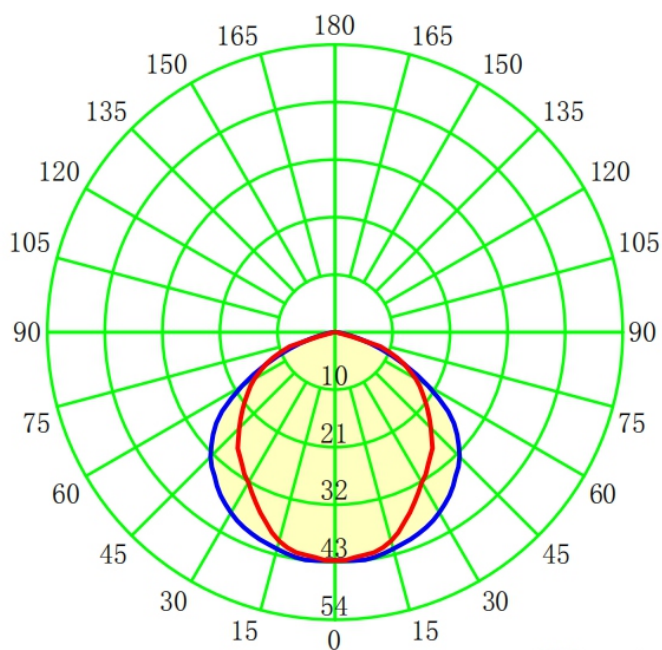
Safety Category	Countries	Standard
CE	Europe	EN60598-1/EN60598-2-22
EMC Category	Countries	Standard
EMI	Europe	EN 55015
EMS	Europe	EN 61000-3-2, EN 61000-3-3, EN 61547

## Rohs Compliance

Our products comply with the European Directive 2011/65/EU, calling for the elimination of lead and other hazardous substances from electronic products.

## Photometric

Position Height(m)	Open Area   120lm   0.5lux				Corridor Area   1lux			
2.8	4.2	4.4	10.3	10.9	3.2	3.4	8.5	8.8
3	4.3	4.5	10.6	11.3	3.3	3.46	8.6	8.9
4	4.7	4.9	11.8	12.3	3.4	3.5	9.3	9.6
5	4.9	5	12.8	13.1	3.1	3.2	9.8	10
6	4.8	4.9	13.6	13.9	2.4	2.5	9.9	10.1
7	4.5	4.6	13.9	14.2	0.6	0.6	9.5	9.7
8	3.9	4	14.1	14.4	/	/	/	/
9	2.9	3	13.8	14.1	/	/	/	/

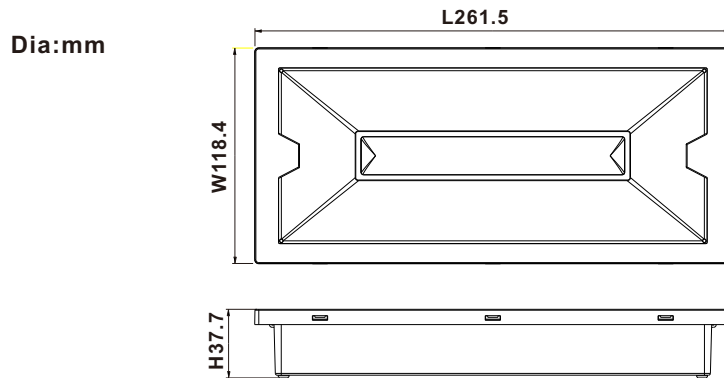


EXP-M1N1WBS-3H  
EXP-M1N1WTBS-3H

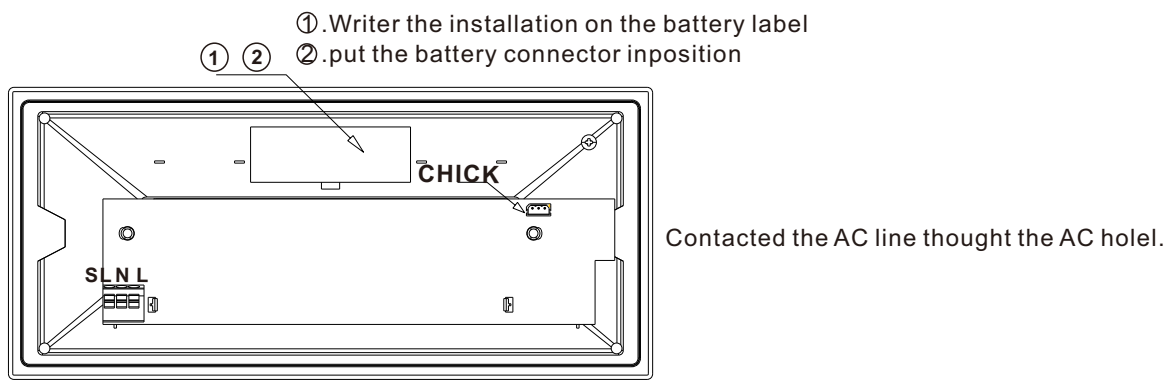
单位: cd

— C0-C180 — C90-C270

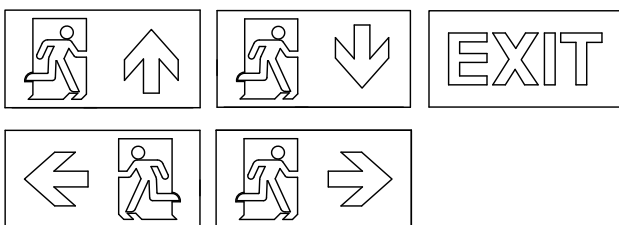
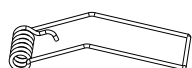
## Mechanical Outline



## Wiring Diagram

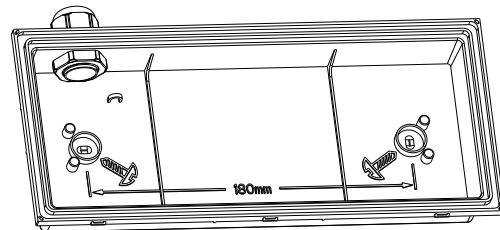
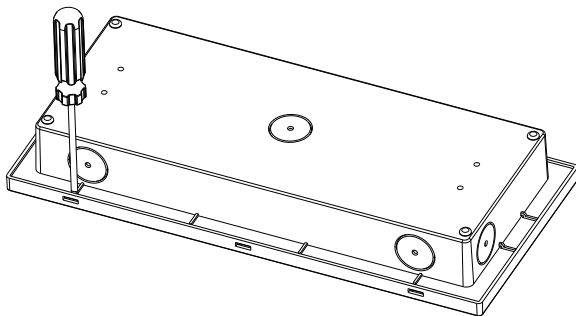


## Mounting Accessories

Item Code	EXPLORER-PET	Spring
Accessories' Images		

## Mounting Options

Wall mounted / Ceiling mounted



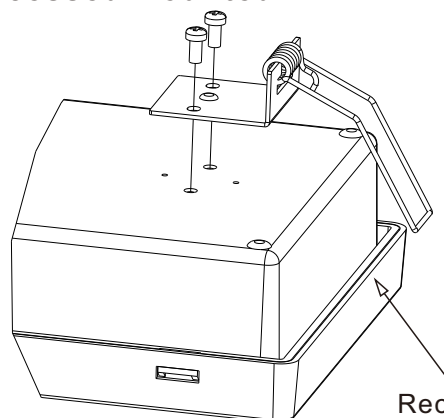
Wall mounting / Ceiling mounting step:

Step "1":Fix the Base shell on the wall or ceiling with screws.

Step "2":Make up the Explorer follow the assembly exploded diagram.

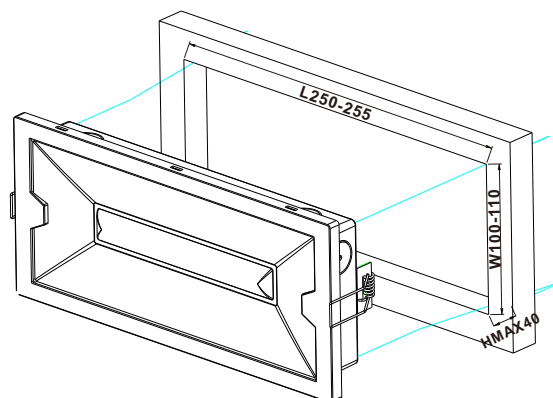
Dia:mm

## Recessed mounted



(1)

Recessed PJ



(2)

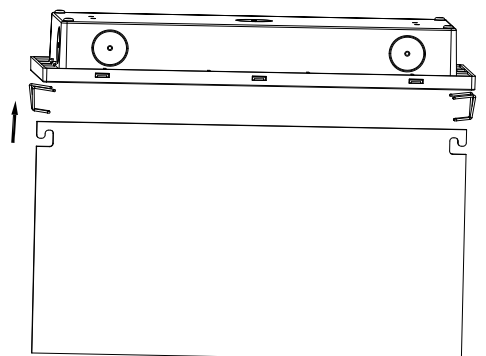
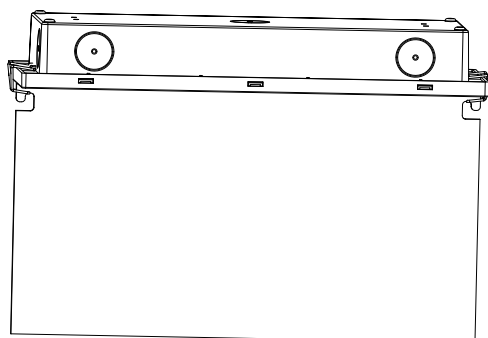
Dia:mm

Recessed mounting step:

Step "1": Mounting the Reecessd PJ as (1)

Step "2": Make up the Explorer follow the assembly exploded diagram.

Step "3": Install the Explorer with recessed mounting as (2).



## Battery

Comply with UN 38.3 and IEC 62133 (safety testing) protected against over charge, over discharge, over current protection, short-circuit and over current.

## LiFePO4 Battery

Case temperature range to ensure 4 years design life

0°C to +60°C

Battery voltage

3.2V per cell

Capacity 18650

1500mAh

## Notice: Storage condition

- Batteries should be stored within the specified temperature range in low humidity conditions.  
Optimal storage conditions are:  
- Temperature: -20°C to +40°C  
- Humidity: 45% - 85%
- Avoid atmosphere with corrosive gas
- It is recommended to disconnect the battery before storage or delivery
- Battery should be charged once in three months in order to keeping it in initial performance