

EXIT-LUME-BOX

ITEM NO. 34758

Features

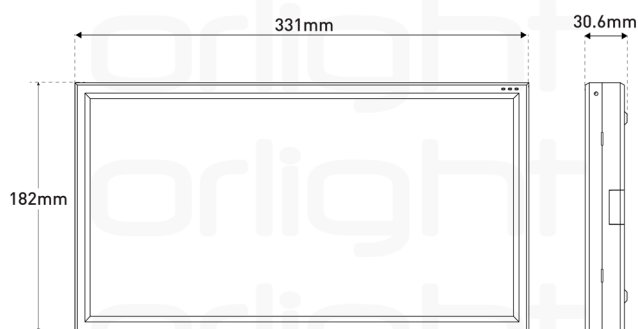
- With auxiliary lighting, better luminous effect
- Modular design realizes the automatic switching of functions (standard and self-test)
- Visibility range of 30m(EN)
- Various legends in compliance with ISO3864-Parts 1&3&4
- Replaceable design of phosphate lithium iron battery

Functions

- Output power 1 W
- Very low stand-by power loss
- Maintained and non-maintained mode
- 3 h rated duration
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Open-circuit-proof
- Polarity reversal protection for battery



Dimension



Technical Specification

Rated supply voltage	220 - 240 V
Mains frequency	50/60Hz
Mains input current	21mA
Input power in mains operation,max	3W
Battery charge time	24h
Ambient temperature ta	0°C - 45°C
Max. Casing temperature tc	60°C
Mains voltage changeover threshold	EN60598-1/-2-22
Type of protection	IP20
Emergency Lumens	60LM
Colour Temperature	6000K

EXIT-LUME-BOX

Technical Specification Continued

Item Code	Batteries	EM Power	Emergency Lumens	Self-test Function	Function
EXIT-LUME-BOX	3.2V 1500mAh LiFePO4	1W	60lm	○	Maintained / Non-maintained

Note:

Remark: EXIT-LUME-BOX without self-test function ○

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.

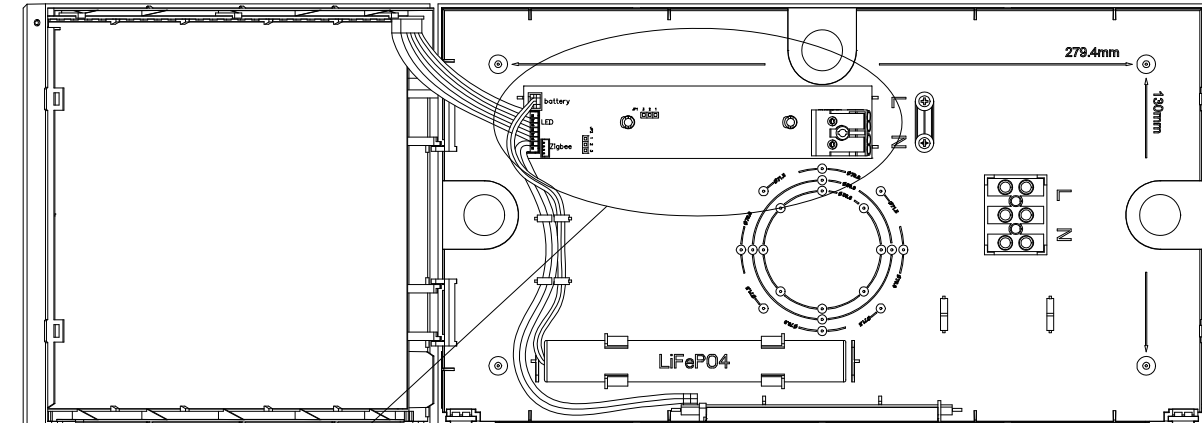
Battery

- High-temperature grade battery cells
- 3.2V LiFePO4 battery
- Male/female socket for simple connection

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

Connections



- Step 1: For JP1 connector
 Maintain mode : short-circuit plug on pin1,2
 Nonmaintain mode : short-circuit plug on pin2,3
 Step 2 : For JP2 connector
 Escape route lighting on : short-circuit plug on pin1,2
 Escape route lighting off : short-circuit plug on pin2,3

Additional Guidelines

Ensure correct polarity of the battery
 The drawing in the fitting may vary to the actual product, connect as per label on fitting.
 When fitting a flush fitting, refer to installation instruction, including any ceiling manufacturer's instructions.

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.

EXIT-LUME-BOX

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.

Important:

It is recommended that the unit is installed by a competent person ensuring the installation complies with the necessary standards.

The company accept no responsibility for incorrect installation, incorrect operation or improper maintenance.

After installation of the fitting, the battery must be charged for 24 hours for duration test.

Testing/Commissioning (self test)

Functionality of the test switch

1. A short press (>1s) on the button start a function test lasting 5 seconds (The battery's capacity should be more than 5%=charging 30mins)
2. Holding down the button(>10s) resets the timer(System-resets)

Functional test

The 5 second long, each 7 days' function test serves to check the functionality of the emergency unit, the batteries and LED module.

Notice.

- If a mains supply failure occurs whilst a functional test is in progress, the test shall be postponed and the system shall enter emergency operation. Following restoration of the mains supply, a postponed functional test shall re-commence automatically as soon as conditions permit.

Duration test (EN)

- Initial duration test: The test will be carried out exactly 24 hours later after the initial installation.
- Half year duration test: The test will be carried out on each 180-182days.

Notice.

- A duration test shall only be started when the battery supply is fully charge if a mains supply failure occurs whilst a duration test is in progress, the test shall be postponed and the system shall enter emergency operation. Following restoration of the mains supply, a postponed duration test shall re-commence automatically when the battery supply is fully re-charge
- The indicator will be slow flashing Green within 5 days if the duration test be carried out successfully.

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Indicator LED

System status is locally by a bi-color indicator LED.

LED Indication	Status	Description	
Permanent Green	Standby ,System OK	Mains Operation, battery is charged	NOTICE Fault status: If an error is detected, the indicator LED switches to RED. If the error has been corrected please re-connecting the battery after the mains power off, the indicator LED immediately switches back to GREEN when mains power on. Battery failed duration test: After an exchange of the battery and holding down the button (>10S) reset the timer, the indicator LED switches to GREEN.
Fast flashing Green (0.25s on 0.25s off)	Function test underway	Function test underway	
Slow flashing Green (1s on 1s off)	Duration test underway	Duration test underway	
Permanent Red	Lamp failure	Open Circuit or Short circuit or LED failure	
Fast flashing Red (0.25s on 0.25s off)	Battery capacity failure	Battery failed duration test	
Slow flashing Red (1s on 1s off)	Battery fault	Incorrect battery voltage or Short circuit or Open Circuit	
Green and Red off	Battery Operation	Emergency mode: Mains disconnected or Mains failure	