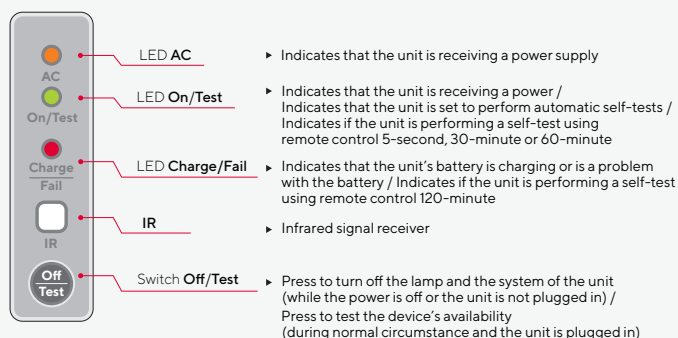




Technical Specifications

Mode of Operation	Non-Maintained
Operating Temperature	-10 to 50°C
Input Voltage	220-240 VAC / 50Hz
LED Lamp Power	12W / Bulb
Color Temperature	Warm White (3000K ± 250K) Daylight (6000K ± 250K)
Luminous Intensity	957.8 lm, Warm White 909.7 lm, Daylight
Rated Beam Angle	45±5Deg
Battery Type / Capacity	Lithium Iron Phosphate (LiFePO4) 3.2V-6000mAh x2
Protection Features	- AC, DC Fuse - Battery Low Voltage Cut-Off - Surge Protection
Testing Systems	- Auto Check - Auto Test - Manual Test or Remote Test
Charging Method	3 Steps Charger System
Charging Period	10-15 Hrs
Backup Time	4.0 Hrs
Housing	Plastic ABS Casing
Dimensions (L x W x H)	210 x 70 x 216 mm
Weight	1.40 Kg
Degree of Protection	IP20
Mounting	Wall Surface
Accessory	Infrared Remote Test (RT-S3)
Standards / Compliance	- TIS.902 Part2(22)-2560 - TIS.1955-2551 - ISO9001 - CE

Indicators



Product Overview

The emergency light comes with an Auto Check system that continuously monitors the performance of the device and automatically alerts any abnormalities in key components such as the battery, bulbs, fuses, lighting circuits, and battery charging system. It provides notifications when the device is not ready for use, ensuring confidence in its operation. In the event of a sudden power outage caused by electrical disturbances, it utilizes a lightweight Lithium Iron Phosphate (LiFePO4) battery that offers long service life, high energy output, and minimal environmental impact. The battery charging system incorporates a new innovation called the 3 Steps Charger System (patent number 15955), surpassing other charging systems, to ensure complete protection during the battery charging process.

Features

Bulb

- Highly efficient and super bright 12 Watts LEDs provides maximum brightness while saving on power consumption. It also offers long operational life of more than 50,000 hours

Battery

- Use Lithium Iron Phosphate (LiFePO4) 3.2V-6000mAh x2, backup power for 4 hours. It has the advantages of light weight, long service life and high power. It also causes less pollution

Functions

- Auto Check for key components abnormalities such as the battery, bulbs, fuses, lighting circuits, and battery charging system (patent number 21778)
- Auto Test schedule: 1 month every 60 seconds, 1 year every 120 minutes (according to standard TIS.021004-22), activate and deactivate functions with a remote control
- The operation can be tested manually (Manual Test)
- A 5-second, 30-minute, 60-minute or 120-minute self-test can be performed on the unit using the remote

Circuit Systems

- Controlled by an 8-bit microcontroller circuit
- A Timer Delay circuit to keep the unit operating for a few more seconds once normal power has returned

Protection Features

- AC and DC fuse to prevent current overload
- Surge Protection
- IP20 dust and water resistant

Features to Extend Battery Life

- An innovative 3 Steps Charger System
- A Low Voltage Cut-Off to prevent the battery from draining completely
- Continuous monitoring and checking system for the battery charging status
- Battery voltage change rate monitoring system with respect to time (dv/dt)

Warning Systems

- Alert for device not ready for use
- Alert for AC input not connected to the device and notification for rectifier circuit malfunction
- An LED will blink 3 times every 15 seconds to indicate that the system performs an automatic battery test (Auto Test) and detects that the backup lighting emergency duration is less than 120 minutes (Battery Fail)
- An LED will blink 4 times every 15 seconds to indicate that there is a problem charging the battery (Charging Fail)
- An LED will blink 5 times every 15 seconds to indicate that an abnormality in the lighting system (Lighting Fail)

Dimensions (mm)

