



Technical Specifications

Mode of Operation	Non-Maintained
Input Voltage	220 VAC / 50Hz± 10%
Output Voltage	12VDC
LED Lamp Power	3W / Bulb
Color Temperature	6,000k ± 250k
Rated Beam Angle	50Deg
Battery Type / Size	Sealed Lead-Acid Maintained Free 12V 5Ah
Protections	- AC,DC Fuse. - Battery Low Voltage Cut-Off - Surge Protection
Testing Systems	- Automatic Testing - Manual Testing or Remote Testing
Charging Mode	Constant Voltage & Limit Current
Charging Current	500mA.
Charging Time	10-15 Hrs.
Backup Time	8.0 Hrs.
Housing	Plastic ABS UL94 V-0 and Electro-galvanized steel sheet 1mm. thick
Dimensions (LxWxH)	250 x 80 x 230 mm.
Weight	3.20 Kg.
IP Rating	20

Indicators



- LED AC.** ▶ Indicating input status
- LED Charge/Full** ▶ Indicating charging status
- LED Battery** ▶ Indicating battery voltage range
- LED Fail** ▶ Indicating error status
- LED 5 sec** ▶ Indicating that the 5 seconds test is enable
- LED 30 mins** ▶ Indicating that the 30 minutes test is enable
- LED 60 mins** ▶ Indicating that the 60 minutes test is enable
- Switch On/Off** ▶ For turning on/off the light (not plugged in)
- Switch Test** ▶ For testing the device's availability (during normal circumstance)
- IR receiver** ▶ An infrared receiver
- Dimmer** ▶ A brightness adjustment button (for HZ model only)

Product Overview

The Self-Contained Emergency Light Luminaires MCU203NC8 uses two 12V 3W MR16 LED lamps for lighting.

The device is controlled by the microcontroller. Thus, it can be activated by either pressing the Function Test button on the device or by remote testing.

The front panel is made from ABS UL94 V-0 plastic which has high heat resistance, impact toughness, fracture toughness and corrosion resistance.

The rear panel which is used for mounting and housing battery is made from 1.0 mm thick Electro-Galvanized steel sheet and finished with epoxy powder coating and stove enamel which can effectively prevent rust.

Features

- Having LED lifetime of over 50,000 hours.
- Automatically recharged with constant voltage and limited current.
- Battery overcharge protection circuit prevents overcharge which is the cause of battery swelling.
- Battery discharge protection circuit prolongs the battery life.
- Under voltage protection circuit allows the unit to automatically activate the emergency light in case any fault occurs in the main power distribution system or in case of power failure (140-160VAC).
- Allowing testing with a remote control.
- Equipped with the Auto Test function:
 - Every 1 month on the 1st day of the month at 12.00-12.30 hrs.
 - Every 6 months on the 1st day of the month at 12.00-13.00 hrs.

Dimensions (mm)

