

Self-Contained Emergency Light Luminaires Model : MCU203NC8



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

AC.	Charge/Full	Battery	Fail
5 sec	30 mins	60 mins	
	Test		Dimmer

LED AC. > LED Charge/Full

LED Battery LED Fail Indicating input status

Indicating error status

An infrared receive

(for HZ model only)

Indicating charging status

Indicating battery voltage range

Indicating that the 5 seconds test is enable

Indicating that the 30 minutes test is enable

Indicating that the 60 minutes test is enable

For turning on/off the light (not plugged in)

 For testing the device's availability (during normal circumstance)

A brightness adjustment button

LED 5 sec

LED 30 mins LED 60 mins

Switch On/Off

Switch Test

IR receiver Dimmer **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.

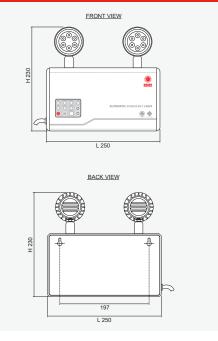
The front panel is made from ABS UL94 V-0 plastic which has high heat resistance, impact toughness, fracture toughness and corrosion resistance.

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)



SIDE VIEW L





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