12		11	10	9	8	7	6	51	4	3	2	_	Month	
3 Hour	1 Hour	Functional	Functional	Functional	Functional	Functional	1 hour	Functional	Functional	Functional	Functional	Functional	Test	
													Sign	1st year
													Date	
													Sign	2nd Year
													Date	
													Sign	3rd Year
													Date	
													Sign	4th Year
													Date	
													Sign	5th year
													Date	/ear

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LuminaireType/Ref:

Date of Installation:

Location:



# **EMST3WMSDL**

# SELF CONTAINED 3W LED MAINTAINED EMERGENCY DOWNLIGHT

Inc. Interchangeable Open and Corridor Lens

# **GENERAL INFORMATION**

Our products are designed to comply with the recommended codes of practice for emergency lighting and to be installed by competent persons in accordance with the relevant wiring regulations.

# **LUMINAIRE INFORMATION**

Rated input supply: AC 240V 50Hz Rated output power: 3W 1PCS LED

Operating Environmental:Temperature:- 0-40 °C Operating relative humidity: Less than 90%

**IP44 Ingress protection** 

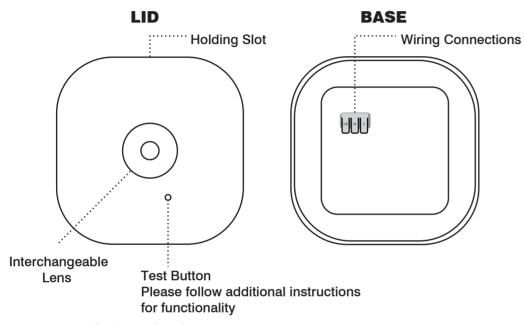
Battery Specification: 3.6V 1800mAh Emergency Duration: More than 3 Hours. Change over time: Less than 1 second.

#### **MONITORING**

Green indicator lamp (LED) normally continuously 'on'. Indicator lamp goes out if A.C. supply or charger fails.

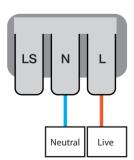
# INSTALLATION

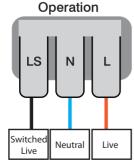
- 1) Ensure mains supply is off
- 2) Remove the lid from the base using the holding slot
- 3) After completing cable entry, mount the base to intended surface
- 4) Select and fit the open lens or corridor lens to the front lid
- 5) Connect the mains supply to the L & N terminal block.
  If using Maintained mode, please review the wiring options below
- 6) Connect the battery to the board with the 2-pin connector
- 7) Ensuring the lid orientation matches the base, refit the lid onto the base until it clips into position
- 8) Switch on mains supply, ensure the green LED indication is visable.

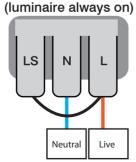


# WIRING OPTIONS

1. Non-Maintained Operation 2. Switchable Maintained 3. Maintained Operation







# **FAULT FINDING AND CORRECTIVE ACTION**

#### MONITORING LED NOT ILLUMINATED

A.C. supply not healthy. Battery not connected. Charger failed.

#### **UNIT NOT MEETING REQUIRED EMERGENCY PERIOD**

May need cycling: Discharge then, recharge for full 24 hours. Retest, battery may need replacing if emergency duration is still not met.

#### **LAMP NOT ILLUMINATED**

If illumination is hesitant and of a low level, either the battery or (less likely) the printed circuit board needs replacing.

#### RECOMMENDED ROUTINE TEST PROCEDURE

The following test is designed to ensure the continued protection of your premises and occupants. Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing, all tests should whenever possible, be undertaken at times of least risk, e.g during daylight hours.

#### **ONCE A DAY**

Visual inspection of battery charge LED.

#### **ONCE A MONTH**

Each unit should be energised from its battery for about 30 seconds by simulation of a failure of the normal lighting supply, to ensure the lamp operates in the emergency condition.

# **TWICE A YEAR**

Each unit should be energized from its battery for a continuous period of at least one hour.

### **ONCE A YEAR**

Each unit should be energized from its battery for a continuous period of at least three hours.



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