



INSTALLATION & MAINTENANCE MANUAL

ECLEMW / ECLEMBK

GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.

**These instructions should be used to aid installation of the following products:
ECLEMW / ECLEMBK**

SAFETY

- These products must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when these luminaires are fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
- These products should be installed in the upright position
- These products are for indoor use only
- These products are Class I and must be earthed
- These products are IP20 rated

INSTALLATION

- Provide power to the required point of installation

Note: Make sure that the track being installed is compatible with these products.

- Remove the cover from the fitting and with a flat head screwdriver, gently insert into the four slots and lift to gain access to PCB
- Disconnect the connector which connects the adaptor and PCB for ease of installing the fitting onto the track

Note: Before installing the fitting onto the track, make sure that the adaptor is set to the correct track circuit according to the wiring on track.

- Adjust the dial on the side of the adaptor which can be altered for 3 circuits dependant on wiring of the track (1-3) (see Fig. 1)

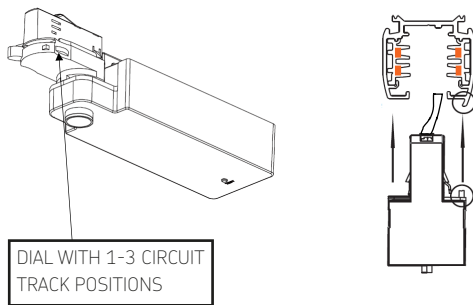


Fig. 1

- Install the fitting into the track and turn the lever at the front and rear of the fitting to secure in place (see Fig. 2)
- Once placed and locked into its final position on the track, use the screw provided to fasten the casing located on the centre of the fitting to the track and rotate levers at both ends to secure the fitting with the locking mechanisms (see Fig. 2)

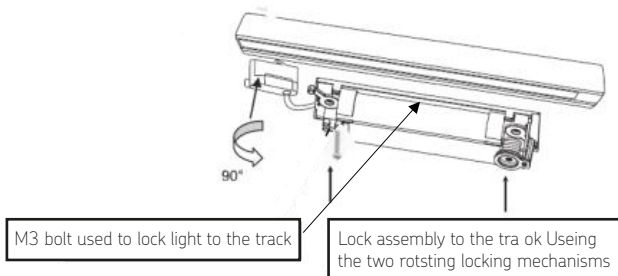


Fig. 2

- Ensure the dip switch is set to the required emergency mode, ON indicates standard mode and 1 indicates self-test mode (see Fig. 3)

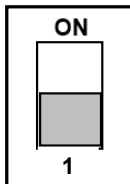


Fig. 3

Note: Make sure that the switch is in the correct position required before switching on the power

- Ensure the battery is connected to the battery connector on the PCB
- Re-connect the connector which connects the adaptor on the PCB
- Refasten the cover over the fitting ensuring the snap clips engage with the cover slots (see Fig. 4)

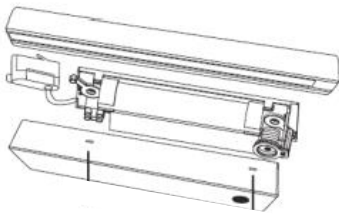


Fig. 4

- Switch on and check for correct operation ensuring the green indicator LED is illuminated
- See below for operation of the self-test function

SELF-TEST FUNCTION

Functional Testing – Every 30 Days

- A function test is a 2-minute test that simulates a mains failure and checks the operation of the emergency light source from the battery supply. The LED indicator flashes green whilst the 2-minute function test is in progress. Refer to LED indicator section.

Duration Testing – Every 52 Weeks

- A duration test simulates a mains failure and checks the operation of the emergency light source from the battery supply for the rated duration of the module. The LED indicator flashes green (quick flashes) whilst the duration test is in progress. Refer to LED indicator section.
- The test button has the following functions detailed below

Test Button	Green LED	Status
Press for approximately 1 second	Off	Emergency mode for 1 second
Press for approximately 5 seconds	Slow Flash	Function test running for 30 seconds
Press for approximately 7 seconds	Fast Flash	3 Hour Duration Test
Press for approximately 10 seconds	N/A	End of Duration Test

LED Indicator

- System status is indicated by a bi-colour indicator LED (test button) as detailed below

Test Button	Green LED	Status
Green Solid	Mains ON	System Healthy
Green Flash	Slow Flash	Function Test running for 2 minutes
	Fast Flash	3 Hour Duration Test
Red Flash	1 Flash Cycle	Battery Fault
	2 Flash Cycle	Lamp Fault
	3 Flash Cycle	Duration Test Fault

- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test
- The test button can be used to simulate a power failure to test the lamp and battery operation. This can be used to carry out monthly functional testing providing the battery holds at least a small charge

Note: When the fitting goes into emergency mode, the white LED will turn on.

WARNING

These products must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

GENERAL

These products contain a non-replaceable LED light source and a non-replaceable control gear.



Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.

Installing in areas where the temperature consistently drops below 0°C may shorten the battery life.

These products are for non-maintained emergency use only.

These products are non-dimmable.

These products should be dismantled for disposal when it reaches the end of its life. Please see website for dismantling instructions.

These products should be recycled in the correct manner when it reaches the end of its life.

Check local authorities for where facilities exist.

The battery in these luminaires is Lithium Ion and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

WARRANTY

These products have a warranty of 5 years (including battery) from date of purchase. Failure to install these products in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If these products should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266:

- Daily check – check LED charge indicator is illuminated
- Monthly functional test – simulate a mains supply failure for approx. 30 seconds by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- Annual 3-hour duration test – simulate a mains supply failure for 3-hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- If the luminaire fails any of the above tests, please contact a qualified electrician. See below for test record sheet

TEST RECORD SHEET											
INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by:

Installation date:

Contact number:

SELF-TEST EMERGENCY LUMINAIRES TEST RECORD

Recommended routine test procedure in accordance with BS5266:

- Daily check – check status of bi-colour LED indicator
- Monthly functional test – the luminaire will perform this function without any action from the user. Alternatively, simulate a mains supply failure for approx. 30 seconds by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator

- Annual 3-hour duration test – the luminaire will perform this function without any action from the user. Alternatively, simulate a mains supply failure for 3-hour continuous test by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator
- If the luminaire fails any of the above tests, please contact a qualified electrician. Results should be recorded, even when obtained via the self-test function. See below for test record sheet

TEST RECORD SHEET											
INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by:

Installation date:

Contact number:

SUPPLIED BY:

(UK) MANUFACTURER

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54