



CE UK CA CLASS II APPARATUS

## MODEL: HSEM/LED

### EMERALD UNIVERSAL EMERGENCY BULKHEAD

#### MAIN FEATURES:

- Hinged gear tray
- Self Adhesive legends including, compliant with BS EN ISO 7010
- Long lasting LifePo4 battery
- Multiple 20mm entry options
- Class II Double insulated
- 5 year guarantee

This instruction leaflet contains important information on the correct installation and operation of your fitting. Read this leaflet fully before attempting installation and retain for future reference.

Suitable for mounting on normally flammable surface. Green LED indicator indicates battery charging mode.

Safety and Performance are in accordance with EN55015, EN61347, EN60598-1, EN60598-2-22, EN61000-3-2, EN61000-3-3.

#### SPECIFICATION

Rated voltage:	AC220-240V~, 50/60Hz
Operating mode:	Maintained/Non-Maintained
Rated wattage:	4.5w
LED:	8PCS S730 LED 6000K
Discharge duration:	3 Hours minimum
Lumen output:	200lm
Battery:	LiFePo4 3.2v 1Ah
Battery life:	Up to 5 years
Power factor:	0.5
Operating Temp Range:	0°C - 40°C
IP Rating:	IP65
Produced in accordance with:	BS EN 60598-2-22

#### INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN, IN ACCORDANCE WITH BS7671

1. Turn off the power to the circuit used for installation.
2. Provide power to the required point of installation. Suitable IP rated junction boxes should be used where required.
3. Mark the location of the fixing holes and drill the holes ensuring not to infringe with any joists, gas / water pipes or electrical cables.
4. Remove two screws from the top of fitting (see Fig 1) to remove diffuser.
5. Make a 20mm hole in the fitting (in one of the marked locations on the fitting) to feed the mains input through use a suitable cable gland to maintain IP rating.
6. Connect the battery via the plug and socket on the PCB.
7. Switch on the power supply and ensure the LED indicator is illuminated green.
8. The luminaire requires 24h of charge to restore battery to maximum capacity.

#### WARNING

This product 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.

Recommended routine test procedure in accordance with BS5266.

#### DAILY CHECK

Check that the status GREEN LED indicator is illuminated.

#### MONTHLY SHORT TEST

Simulate a mains supply failure for approx. 30 secs by operation of key switch or switching off a circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

#### TWICE YEARLY CONDUCT A 1 HOUR DURATION TEST

Simulate a mains supply failure for one hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

#### ANNUAL FULL 3 HOUR DURATION TEST

Conduct a three hour continuous duration test. Simulate a mains supply failure for three hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated. If the luminaire fails any of the above tests, please contact a qualified electrician. After a full duration test, the battery will take 24 hours to fully charge.

#### GENERAL

The LEDs fitted in this product are non-replaceable. The unit should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist. Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the fitting.

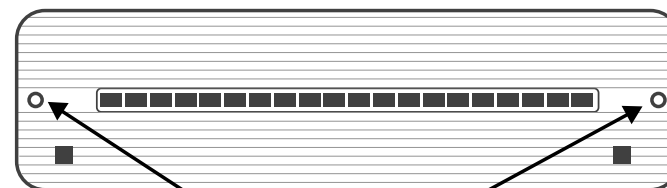


Fig 1

REMOVE SCREWS

Pull apart tabs (see Fig 2) to gain access to the connections

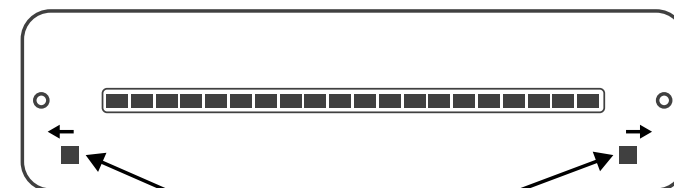


Fig 2

PUSH TABS

#### WARRANTY

This product has a warranty of 5 years from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations, improper use, or removal of the batch codes will invalidate the warranty. Products must be maintained in accordance with the test routine detailed. If this product should fail within its warranty period it should be returned to the place of purchase for a free of charge replacement. Our company does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. Our company reserve the right to alter product specification without prior notice.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your

used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

INSTALLATION AND MAINTENANCE RECORD

INSTALLER:

INSTALLATION:TYPE:

INSTALLATION TEST DURATION & DATE:

MONTH	TEST	1 <sup>ST</sup> YEAR		2 <sup>ND</sup> YEAR		3 <sup>RD</sup> YEAR		4 <sup>TH</sup> YEAR		5 <sup>TH</sup> YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	SHORT										
2	SHORT										
3	SHORT										
4	SHORT										
5	SHORT										
6	1 HR										
7	SHORT										
8	SHORT										
9	SHORT										
10	SHORT										
11	SHORT										
12	1 HR										
	3 HR										