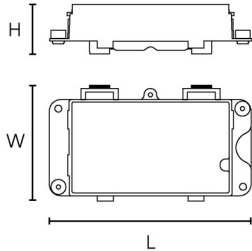


Installation Engineers Contact Details:				Luminaire Ref / Location							
Name:				Tel:							
Luminaire Details:				Full Recharge Duration 24Hours				Duration: 3hrs		Lamp Type:	
ROUTINE TEST RECORD											
Test Type	Year 1		Year 2		Year 3		Year 4		Year 5		
	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date	
Functional											
Functional											
Functional											
Functional											
Functional											
Functional											
Functional											
Functional											
Functional											
Functional											
3hr Duration											

Dimensions:

Part No.	Description	L (mm)	W (mm)	H (mm)	Weight
430963	Grafham Bulkhead E-SEL3 Emergency Conversion Pack 2W Plug & Play	125	71	31	108g



End Of Life Disposal:

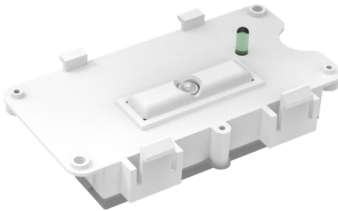
Disassembly instructions for end of life disposal available on website.
Disposal of Electronic Equipment WEEE Directive 2002/96/EC This product falls within the scope of the Waste Electrical & Electronic Equipment Directive (WEEE), which means the product should not be disposed of as normal household waste. Please recycle where facilities exist or check with your Local Authority. RoHS – All components and materials used in this product are RoHS 2002/95/EC compliant. Specifications may change from time to time. The information contained in this leaflet is for guidance only and should not be considered as always accurate and should be treated as not representative.

Installation Instructions



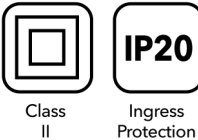
Grafham E-SEL3 Emergency Pack

Input	220-240V AC 50/60Hz
Power	2W
Operating Temp	0–30°C
Battery	3.2V LiFePO4 2000mAh
Recharge Time	24Hrs
Function	Manual Test/ Self Test
Light Source Energy Rating	N/A



Box Contents:

- Emergency Pack
- Emergency Label



Tools Required For Installation:

- N/A

READ THESE INSTRUCTIONS THOROUGHLY BEFORE INSTALLATION
KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.
IMPORTANT:
This product must be installed by a qualified electrician or competent person, and in accordance with current building and IET wiring regulations.

Warranty:

This product is warranted for a period of 5 Years from the date of purchase**. The backup battery pack in the emergency version is warranted for a period of 3 Years. The warranty could be invalidated should the product not be installed according to these instructions, outside the scope of the specification or the product has been altered or tampered with in any way. Please see website for terms and conditions.



WARNING: Risk of electric shock!

Isolate the mains power before proceeding.

- Turn off the mains power before performing inspections, installation, or removal
- Verify that the supply voltage is correct by comparing it with the luminaire label information
- It is the installers responsibility to ensure installation is suitable for the total load of the luminaire(s). The supply cable, fuses/circuit breakers must be correctly rated for the electrical load and considering for any transient inrush currents that may occur.
- Do not perform insulation strength or resistance tests on installed luminaire(s) connected

Wiring instructions for units equipped with EMERGENCY function:

Emergency lighting luminaires must be installed and maintained in accordance with the emergency lighting standard BS 5266-1

- For the emergency unit to work correctly, please ensure that an uninterrupted permanent live feed is present and is connected directly to the 'Permanent Live' terminal of the mains terminal block. Please ensure there are no switches, PIRs etc within the permanent live feed, constant switching of the emergency pack could result in premature battery failure.
- Following power up the green LED indicator should illuminate to indicate charging. If power to the unit is disrupted or isolated, the unit indicating green LED will switch off, triggering the emergency LEDs to illuminate.
- When self-test mode is selected, 24hrs from connection to mains power, a 3hrs duration test will be performed automatically. In addition to this every 30 days a function test will be performed automatically, followed by 3hrs duration test annually.

Installation Procedure:

1. Disconnect the mains Supply. Remove the battery compartment lid and connect the battery, secure the lid afterwards.
2. Fit the emergency pack into the slots on the geartray.
3. Connect the emergency pack input connector to terminal block connector.
4. Connect incoming feed as per wiring diagram shown to the terminal block on the geartray.
5. Install the geartray back to the housing and secure., select manual or self test option.
6. Secure the fitting cover. Reconnect mains supply
7. Light fitting should turn ON and green LED indicator on the pack should flash slowly. Once the battery is fully charged the green LED indicator will stay ON permanently.

Emergency Indication:

	Colour	LED Indication	Status
	Green	Permanent Green	Normal Function
	Green	Slow Flashing Green (0.25 sec on, 0.25 sec off)	Charging Mode
	Green	Slow Flashing Green (1 sec on, 1 sec off)	Monthly Check
	Green	Slow Flashing Green (0.5 sec on, 0.5 sec off)	Annual Inspection
	Green	Slow Flashing Green (0.33 sec on, 0.33 sec off)	Quick Test
	Red	Slow Flashing Red (0.5 sec on, 0.5 sec off)	Load Failure
	Red	Slow Flashing Red (1 sec on, 1 sec off)	Battery Failure

Press and hold Reset Button to reset any failure.

