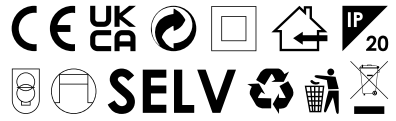




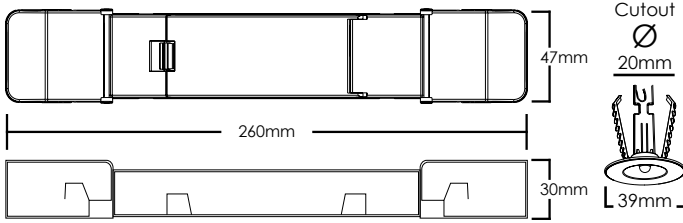
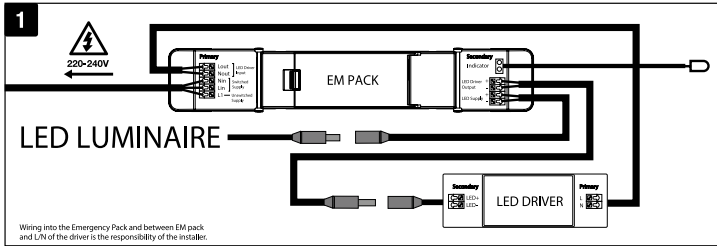
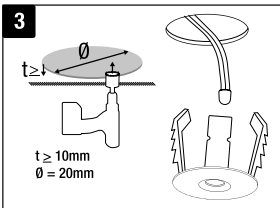



3-Hour Emergency Kit Self Test and Manual Test Function Instructions



This instruction sheet is relevant to Phoebe LED Emergency Kit
For use with compatible Phoebe LED Products

THANK YOU for buying this PHOEBE LED product. To help ensure this product gives complete satisfaction please only use it according to the following instructions, and then pass the instructions to the appropriate person for retention and future reference.

<p>BEFORE YOU START PLEASE READ ALL THE INSTRUCTIONS CAREFULLY</p>	<h2 style="text-align: center;">IMPORTANT INFORMATION</h2>	
<p>PRIOR TO INSTALLATION</p>  <p>Turn power off at the mains</p>	<p>This product contains a lithium-iron phosphate battery (LiFePO4) After Installation is complete please mark the unit with the Installation date. Charge time: 24hours The unit can be charged from 220-240v mains source Charging capacity: 2.0Ah Discharge time: ≥3 Hours</p>	
<p>ONLY ONCE INSTALLATION IS COMPLETE</p>  <p>Turn power back on at the mains</p>	<p>Dimensions</p>  <p>LED Operation Indicator</p> <ul style="list-style-type: none"> • ON - Charging/Charged • OFF - Emergency Mode 	
<p>CIRCUIT TESTING For high voltage circuit insulation testing disconnect mains input supply first (Do not circuit test using a Megger)</p>	<p>WARNING</p> <ol style="list-style-type: none"> 1. Installation only to be carried out by a qualified electrician in accordance to the local regulations. 2. Please ensure surface is suitable and capable of holding the unit weight 3. Do not operate if product is damaged <p>Wiring Information Installation only to be carried out by a qualified electrician in accordance to the local regulations.</p>  <p>2 connect the internal battery cable before use.</p> 	
<p>Environmental Protection</p>  <p>Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.</p>		

Images are for information only. Phoebe LED shall not be held liable for improper operation of the product in circumstances where procedures and specifications have not been followed correctly.

Tel: +44 (0)1274 657 088 **Fax:** +44 (0)1274 657 087 **Web:** www.cromptonlamps.com

SELF TEST INFORMATION

⚡ PRODUCT MUST BE CHARGED FOR 24 HOURS UNINTERRUPTED AFTER INSTALLATION

LED INDICATOR STATUS			
Green		System Healthy	
Green Flash 1 x per second		Duration Test Pending	
Green Flash 2 x per second		Duration Test Running	
Green Flash 4 x per second		Functional Test Running	
Red		Battery Charging Fault	
Red Flash 2 x per second		Battery Duration fault	
Red Flash 4 x per second		Lamp or Luminaire Fault	

DURATION TESTING (3 HOURS)

- An automatic duration test will occur at a random point between 24 - 48 hours after commissioning to allow for battery charging.
- An automatic duration test will occur annually at a random point in the 52nd week of each year
- A manual duration test will occur at a random point between 0 - 24 hours after pressing the manual test button for 5-10 seconds. Time will be added to allow the battery to charge if it has been charging for less than 24 hours.
- A duration test that has been delayed by events such as a power cut interruption or insufficient charging will be automatically rescheduled. The Green LED will flash 1 x per second to indicate there is a pending duration test.
- Any faults found during duration testing will be reported via the LED indicator as detailed above. Re-commissioning is required to clear and faults.

FUNCTIONAL TESTING (<2 MINUTES)

- An automatic duration test will occur every 7 days.
- A manual duration test will occur after pressing the manual test button for 1-2 seconds.
- Any faults found during duration testing will be reported via the LED indicator as detailed above. Re-commissioning is required to clear and faults.

LAMP OR LUMINAIRE FAULT

- Turn off the supply and replace or correct any fault with the lamp or luminaire then reconnect the supply.
- Press the manual test button for 5 - 10 seconds, a manual test will then occur at a random point between 24 - 48 hours later to allow the battery to charge fully.
- If the battery and power have been disconnected, the module will re-commission and automatically test the replacement.
- A successful functional test will override any faults reported by a duration test. A full duration test or re-commissioning is required to clear fault reports.

BATTERY FAULT

- Turn off the un-switched supply to the emergency module and replace the battery, then reconnect the supply.
- If the fault was due to the battery not being connected, the un-switched supply must still be turned off when connecting the battery to clear the batter fault. After reconnecting the supply, the emergency module will then re-commission and so automatically test the replacement at a random point between 24 - 48 hours after commissioning to allow for the battery to charge fully.

MANUAL TEST INFORMATION

⚡ PRODUCT MUST BE CHARGED FOR 24 HOURS UNINTERRUPTED AFTER INSTALLATION

The green charging indicator will be visible when the luminaire is in normal operation and also when switched off.

If the indicator is not ON, the battery or inverter may be faulty and needs to be changed.

After connecting the mains supply check the following:

- The green charge indicator LED is illuminated. This indicates that the mains supply is present and that the charger circuit is working correctly.
- The unit should be left on charge for a minimum of 24 hours before testing the emergency mode.
- To simulate normal mains supply failure, operate the key switch. The lamp will now light under emergency conditions.
- When the unit no longer meets its rated duration of operation the battery pack must be replaced with a battery of the same type, voltage and Amp-hour rating.

Emergency Installation and Inspection

Installation / Test Record	Serial / Luminaire Number:			
	Installed By:		Date:	
	Commissioned By:		Date:	

Monthly test	Year 1		Year 2		Year 3		Year 4*	
	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

*The battery must be replaced