

### BOLT-EM-120-TRIO

Order Code	Product Code	Description
66006	BOLT-EM-120-TRIO	Multi Watt and TRIO technology LED batten

Thank you for purchasing your new Bolt Emergency LED Batten, Please take the time to read and understand the instruction sheet below. Failure to do so may void warranty.

*Note: The light source of this luminaire is not replaceable; When the light source reaches its end of life, the whole luminaire shall be replaced.*

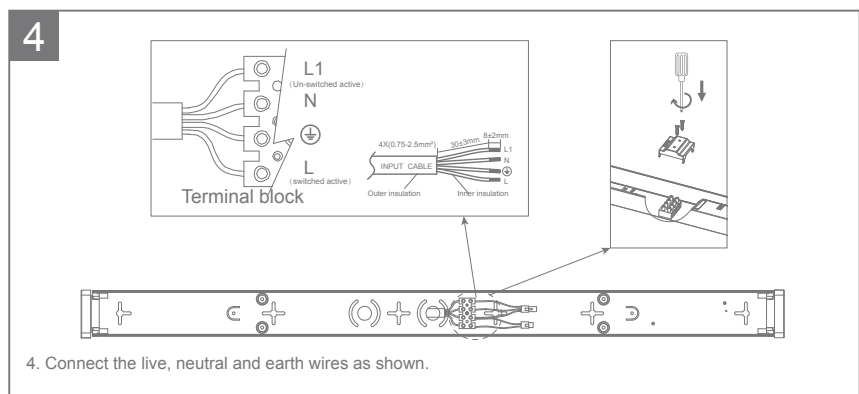
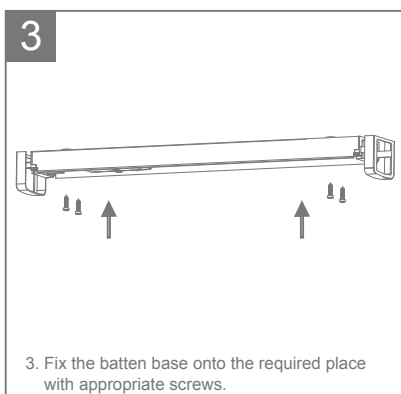
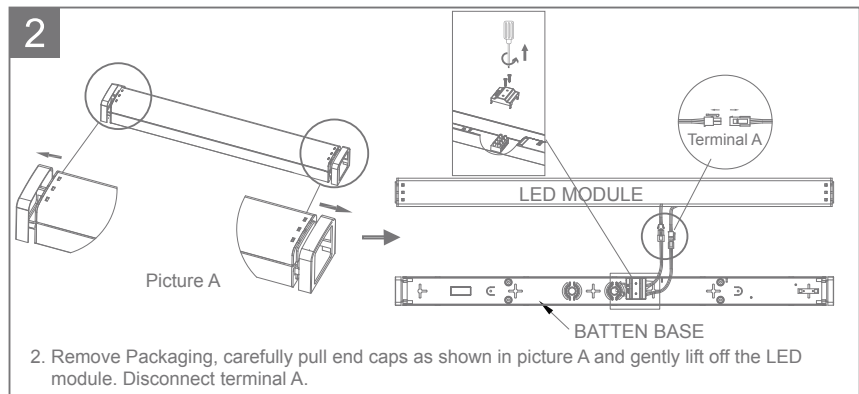
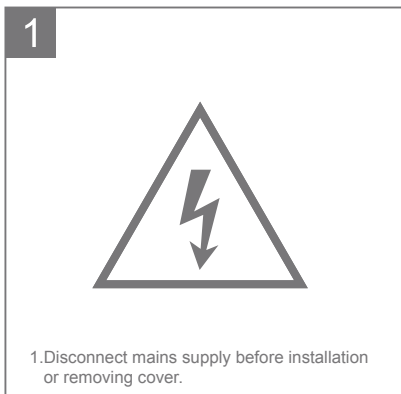
### BOLT-EM-120

Voltage:	240V~	Lumen (±10%):	(10W/40W) Warm White 3000K - 900lm/3600lm (10W/40W) Neutral White 4000K - 1000lm/4000lm (10W/40W) White 5700K - 1000lm/4000lm	Dimmable:	No
Power:	10/40W	CCT:	3000K, 4000K, 5000K	Lifespan:	40,000hrs
IP Rating:	44	Beam Angle:	120°	Weight:	2.18kg
Frequency:	50Hz	CRI:	≥80	Power Factor:	0.9

### Emergency Specification Features

Compliance:	Fully complaint to AS/NZS 2293 standards
Battery:	LiFePO4 battery type, 6.4V, 7 Hour Charging Time, 1.5 Hours Discharging Time
Battery Capacity:	1500 mAh at 0.2 CmA
Emergency:	Sustained
Rated Duration:	90 min
Classification:	C0: D50, C90: D32

### Surface Mounted



**Note:** -The lamp must be installed by professional electrician  
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use  
-Keep away from hot steam and corrosive gas

### Surface Mounted

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PIN1	PIN2	PIN3	Power for 40W
OFF	ON	OFF	20W
OFF	OFF	ON	30W
ON	ON	ON	40W

5. To set the colour temperature, simply move the dip switch located at the back of LED module to the desired colour temperature. Fasten terminal A between driver and LED module. Snap LED module back to batten base. Make sure all Spring Connectors A are in place to securely hold LED module to batten base.

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spring connector B

6. Push caps back to Batten Base until it catch the spring connector B.

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7. Reconnect mains supply.

#### Warning:

If the product is not installed as per the Installation Manual, then the warranty and liability for the product will be voided.

ALL MAINTENANCE, SUCH AS BATTERY CHANGE ON THIS LUMINAIRE, TO BE PERFORMED BY QUALIFIED PERSONNEL ONLY. DE-ENERGISE ALL SUPPLIES BEFORE MAINTENANCE.



**Note:** -The lamp must be installed by professional electrician  
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use  
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### Installation

1. Remove the luminaire from its carton and inspect it for damage. If you believe the product to be damaged DO NOT install the product. Please return it to the place of purchase for a replacement.
2. An emergency sustained luminaire requires two main active supplies. Un-switched active and switched active.
3. The un-switched active is required to charge the batteries. The switched active illuminates the luminaire on mains.
4. Both the switched active and un-switched active must be on the same phase.
5. (For 24/7 operation of the luminaire, link switched active with un-switched active)
6. To ensure maximum battery service life the battery pack is supplied not connected to the emergency luminaire. Before connecting the emergency luminaire to the mains supply the battery pack must be connected to the emergency inverter via the polarized plug fitted to the battery pack.
7. To ensure maximum product service life and performance, mount the emergency luminaire away from any direct heat source where the ambient temperature exceeds 40 deg. C.
8. To check the correct operation of the luminaire, allow the battery to charge for a minimum of 3 minutes, ensuring that the green charging LED is constantly illuminated. Depressing the test switch will then illuminate the emergency LED light.
9. Discharge time for 90 minute.
10. The product has an indicator light, the test button is used to detect whether the lamp is operating normally, and when press the test button, the luminaire is in emergency mode; when release the test button, the battery is charged.
11. When the battery is charged, the green indicator light on; when the battery is fully charged, the green indicator light is on, when the luminaire is in emergency mode, the indicator light will extinguish.
12. Emergency light source: >410 lm, CCT: 6500K.

### Testing procedure

When the Stellar V EMG Batten is permanently connected to the mains allow 24 hours to fully charge the batteries. Once the batteries are fully charged the emergency luminaire is required to undergo a commissioning discharge test to confirm compliance as specified in Australian Standard AS2293 part 2. The emergency luminaire must operate for a minimum of 2 hours in emergency mode. Further compliance testing is required at intervals of not more than six months, however for these tests the emergency luminaire must operate for a minimum of 90 minutes in emergency mode. AS2293 part 2 also sets out the mandatory requirements of recording of all tests and their results, plus any maintenance actions carried on the emergency luminaires. Energetic Lighting has available an emergency lighting maintenance LOG book for recording of this information.

### Problem Solving

If you have installed and connected the Stellar V EMG Batten and the product fails to work properly, please use the following table as a starting guide to solve the issue.

## Installation Manual

September 20, 2021

Fault	Possible cause of fault	Solution
Green charge indicator LED is not lit	<ul style="list-style-type: none"> <li>a) AC Supply is not connected</li> <li>b) AC Supply is switched off</li> <li>c) AC Supply is on a switched active circuit, but the switched active circuit is switched off</li> </ul>	<ul style="list-style-type: none"> <li>Connect AC Supply Switch on AC supply</li> <li>Change to un-switched active AC supply</li> </ul>
Green charge indicator LED is lit but the emergency LED does not illuminate when the test switch is depressed	<ul style="list-style-type: none"> <li>a) <i>Emergency LED or inverter is damaged</i></li> <li>b) <i>Battery is damaged</i></li> <li>c) <i>Battery is not connected to the emergency inverter.</i></li> </ul>	<ul style="list-style-type: none"> <li>Replace luminaire</li> <li>Replace battery pack</li> <li>Connect battery pack</li> </ul>
Emergency LED illuminates, but only temporarily when test switch is pressed or when the main power supply is turned off	<ul style="list-style-type: none"> <li>a) <i>Battery not fully charged</i></li> <li>b) <i>Battery pack is damaged</i></li> </ul>	<ul style="list-style-type: none"> <li>Allow battery to charge for 24 hours and re-test</li> <li>Replace battery pack</li> </ul>

### Construction site issues that may affect product performance and service life.

**IMPORTANT NOTE:** Continuously switching the power supply to the emergency luminaire during or after the installation could cause the emergency luminaire to discharge its battery. This can impact negatively on the battery service life. It is not recommended that any emergency lighting product be connected to the power supply if such conditions are prevalent. Exposure of the emergency lighting products to harsh operating conditions may result in the product warranty being voided.