29-31 Richland St. Kingsgrove. Sydney NSW 2208 Australia
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Installation Manual

May 20, 2021

BOLT-EM-60-TRIO

Order Code	*Product Code*	*Description*
66007	BOLT-EM-60-TRIO	Multi Watt and TRIO technology emergency LED wide batten

Thank you for purchasing your new Bolt Emergency LED wide 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-60

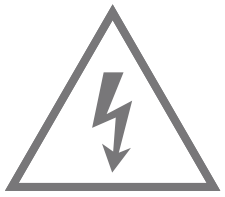
Voltage:	240V~	Lumen (±10%):	(10W-20W) Warm White 3000K - 900lm/1800lm (10W-20W) Neutral White 4000K - 1000lm/2000lm (10W-20W) White 5700K - 1000lm/2000lm	Dimmable:	No
Power:	10/20W	CCT:	3000K, 4000K, 5700K	Lifespan:	40,000hrs
IP Rating:	44	Beam Angle:	120°	Weight:	1.82kg
Frequency:	50Hz	CRI:	≥80	Power 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

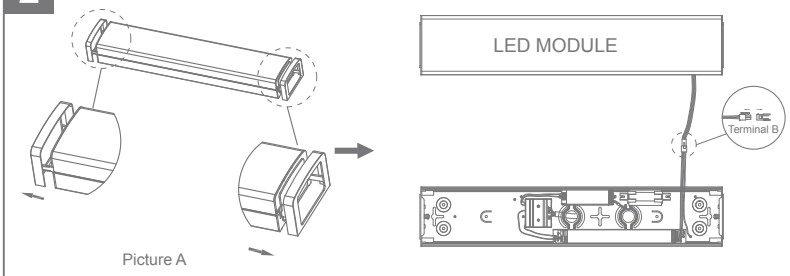
Surface Mounted

1



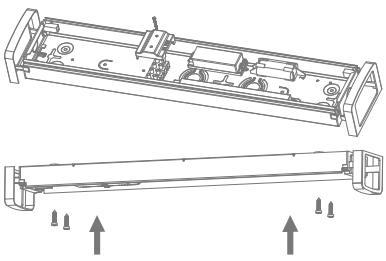
1.Disconnect mains supply before installation or removing cover.

2



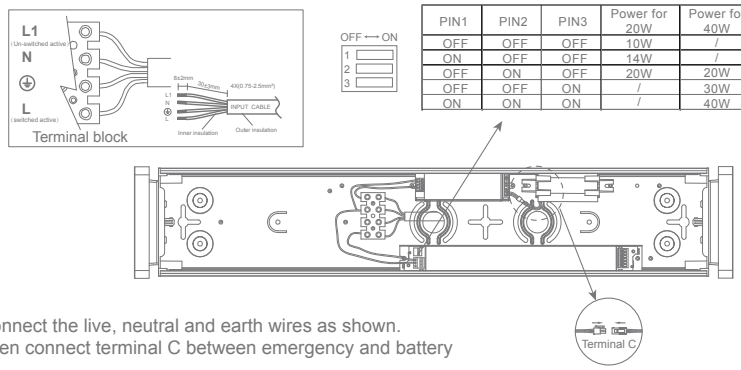
2. Remove Packaging, carefully pull end caps as shown in picture A and gently lift off the LED module. Disconnect terminal A and terminal B.

3



3. Take down the terminal cover.
Fix the batten base onto the required place with appropriate screws.

4



PIN1	PIN2	PIN3	Power for 20W	Power for 40W
OFF	OFF	OFF	10W	/
ON	OFF	OFF	14W	/
OFF	ON	OFF	20W	20W
OFF	OFF	ON	/	30W
ON	ON	ON	/	40W

4. Connect the live, neutral and earth wires as shown.
Then connect terminal C between emergency and battery

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

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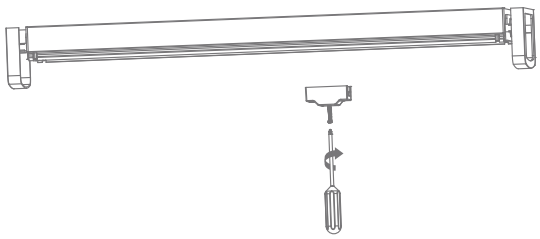
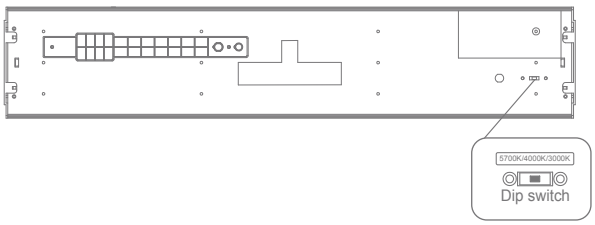
5



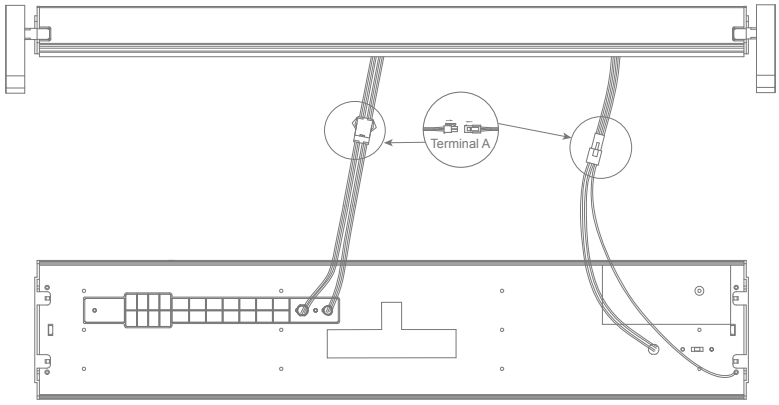
5.Screw the terminal cover back to batten base

6



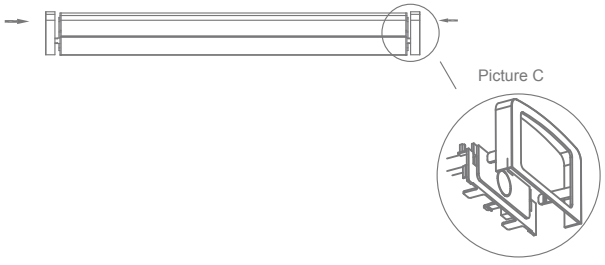
6.To set the colour temperature, simply move the dip switch located at the back of LED module to the desired colour temperature.

7



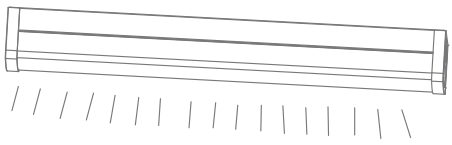
7.Fasten terminal A between driver and LED module. LED module back to batten base.

8



8.Push the end cap back as shown in picture C.

9



9. 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 PERORMED 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
-Keep away from hot steam and corrosive gas

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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.

Note:
-The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product
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Fault	Possible cause of fault	Solution
Green charge indicator LED is not lit	a) AC Supply is not connected b) AC Supply is switched off c) AC Supply is on a switched active circuit, but the switched active circuit is switched off	Connect AC Supply Switch on AC supply Change to un-switched active AC supply
Green charge indicator LED is lit but the emergency LED does not illuminate when the test switch is depressed	*a) Emergency LED or inverter is damaged* *b) Battery is damaged* *c) Battery is not connected to the emergency inverter.*	Replace luminaire Replace battery pack Connect battery pack
Emergency LED illuminates, but only temporarily when test switch is pressed or when the main power supply is turned off	*a) Battery not fully charged* *b) Battery pack is damaged*	Allow battery to charge for 24 hours and re-test Replace battery pack

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.

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