



WARNING - THIS LUMINAIRE MUST BE EARTHED

This luminaire has been tested and is manufactured to comply with BS EN 60598 : specification for general requirements and tests. It should be installed by a suitably qualified person in accordance with IEE.

CAUTION: there is a potential risk of electric shock from the LED boards when the product is operational with the cover removed.

NOTE: INSTALLATION AND OPERATION OF THE LUMINAIRE BEYOND ITS SCOPE OF SUPPLY WILL INVALIDATE THE WARRANTY.

DIL-0300-0001

1.

Description:

The TrackLED/120 kit is a standalone 3 hour non-maintained emergency fitting designed a simple solution to the emergency lighting requirements of track fed lighting schemes. The battery is either a 3.6V 4.0Ah Nickel metal hydride (NiMH) for standard operation, or 9.6V 1.5Ah lithium iron phosphate (LiFePO4) for DALI self-test operation. The LED is driven at 700mA and provides 181 lumens for three hours.

The unit will recharge the batteries after the test of clause 22.3 of BS EN 61347-2-7:2012.

2.

Lumen Level, Operation and Colour:

- TrackLED/120/NM3/W (181lm, non-maintained in white)
- TrackLED/120/NM3/B (181lm, non-maintained in black)
- TrackLED/120/NM3/DA/W (181lm, DALI self-test in white)
- TrackLED/120/NM3/DA/B (181lm, DALI self-test in black)

3. Specification:

- Input Voltage	- 230-240 Volts AC 50/60 Hz
- Input Current & PF Standard	- 26mA - $\lambda = 0.45$
- Input Current & PF DALI (standby)	- 9mA - $\lambda = 0.26$
- Input Current & PF DALI (charging)	- 29mA - $\lambda = 0.56$
- Duration	- 3 hours
- Ambient Temp.	- 0°C to + 35°C
- Max Case Temperature	- 50°C
- Max Battery Temperature	- 55°C
- Mains Input Terminal	- 0.5mm - 1.5mm
- Battery Fuse	- Internal
- Battery Discharge Current	- 1000mA \pm 150mA
- Discharge Voltage Cut off (standard)	- 3V
- Discharge Voltage Cut off (DALI)	- 9V
- Ingress Protection	- IP20
- Battery Pack (standard)	- 3.6V 4.0Ah NiMH
- Battery Pack (DALI)	- 9.6V 1.5Ah LiFePO4
- Charge Current (standard)	- 200mA \pm 50mA
- Charge Current (DALI)	- 0-400mA Float
- Recharge Period	- 24 Hours
- Overall Weight	- 1.4Kg

4.

Important:

It is recommended that the unit is installed by a competent person ensuring the installation complies with the necessary standards. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

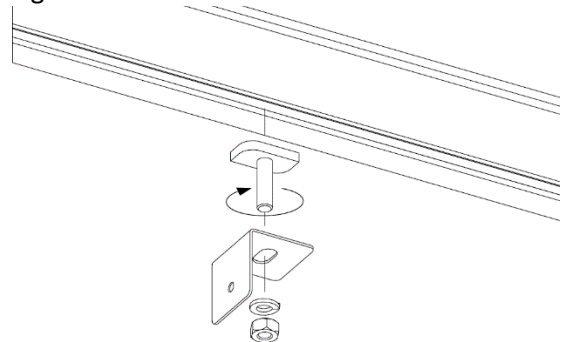
The conversion requires an unswitched supply for charging the battery.
ISOLATE MAINS SUPPLY AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.

5.

Installation:

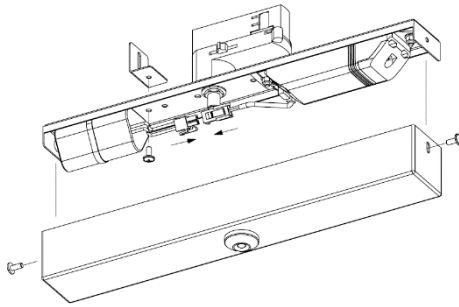
1. Fix locking bolt to track with bracket as seen in figure 1 overleaf.
2. Fit larger bracket to body of the fitting as shown in figure 2 overleaf
3. Connect the LED to the control gear via the 4 way C201 connector.
4. Connect the battery to the control gear with the two way connector
5. Fit the cover to the body and fix in place with the two end screws
6. Offer the TrackLED to the track, locking the adaptor in place.
7. Connect the two brackets together as seen in figure 3
8. When the supply is present and the battery connected, check that the green LED indicator is illuminated showing

6. Figure one



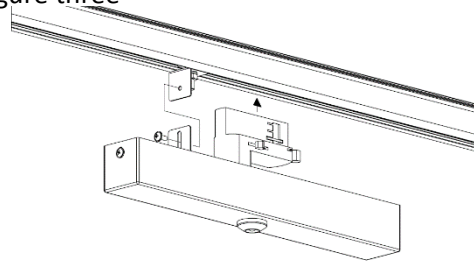
1- Twist locking bolt into track, add smaller L-bracket, apply washer and tighten nut. This should be positioned 70mm from the centre of the TrackLED/120.

7. Figure two



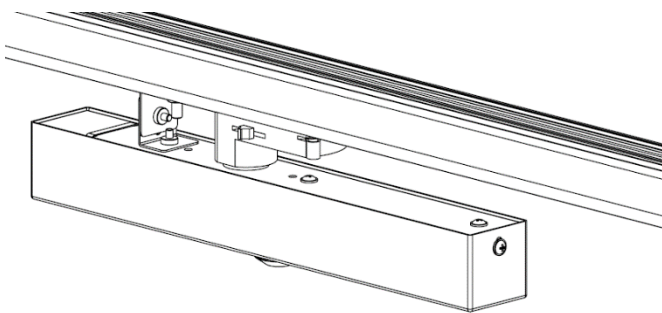
2 - Using the nut, bolt and washer, fix the taller L-bracket adjacent to the track adaptor as shown. Connect the 2-way battery connectors together and connect the 4-way C201 LED connector together. Fix the cover in place using the two end screws to secure.

8. Figure three



3 - Offer the TrackLED/120 to the track system, ensuring that the two brackets meet. Lock the adaptor in place. Finally, connect the two brackets together by inserting the screw through one bracket into the bush of the other. Tighten to 2.5Nm (hand tight, plus 1/4 turn).

9. Figure four



4 - When complete, the TrackLED/120 should look like this.

10. Testing/ Commissioning

- Ensure the Load is connected.
- Switch on the Unswitched Supply - Check the Charge LED illuminates.
- Switch off the Unswitched Supply - Check the Charge LED extinguishes and the central load LED illuminates.
- Enter the commissioning date on the Battery Pack.

Switch on the Un-switched Supply.

11.

12.

13.

14.