

## Testing:

Once connected to the 240V mains supply, the unit must be allowed to charge the battery for at least 24 hours. Conduct the following tests:

- For the first test, the emergency lamp must remain illuminated for at least 2 hours after disconnection from the mains supply.
- Subsequent tests require the unit to illuminate for at least 90 minutes. The results of all tests are required to be recorded in a service logbook, which is to be kept on-site at all times. If the unit fails to remain illuminated for the requisite time, remedial action must be taken to repair the situation and once completed, the unit must pass a subsequent test. For more specific information, please refer to the current edition of the AS 2293.3 Standard.

## Trouble Shooting:

Below are a list of common problems and their possible causes.

**Fault: The Green LED Test Switch indicator is not illuminated.**

Check: A.C. is connected and is turned on.  
Battery is connected  
Test Switch for damage.

**Fault: Lamp does not illuminate in emergency mode.**

Check: A.C. is connected.  
Lamp is correctly inserted.  
Battery is connected

**Fault: Lamp illuminates in emergency mode, but only stays on for a short period.**

Check: Battery has been allowed to charge for at least 24 hours.  
Battery for damage.

**Fault: Green LED flashes once every 5 seconds-Battery is disconnected**

Check: Battery is connected.

**Fault: Green LED blinks off once every 5 seconds- Charging very flat battery**

Allow 20min to recover battery then recheck

**Fault: Green LED flashes at 2Hz (Fast flash)- Faulty battery**

Replace battery

**Rated Emergency Lumen Output in accordance with AS2293.1 (refer to spacing tables for installation positions):**

N/A for Theatre Mask

## Caution:

On many building sites, power circuits may be cut off in an uncontrolled and repetitive basis during construction. As a result, any Exit & Emergency Units, on these circuits, will have their batteries discharged or "cycled". The Li-ion battery in this fitting has been selected to give excellent long life performance in a controlled AS2293 testing environment. Excessive battery cycling will reduce through-life performance and may lead to premature battery failure. Battery warranty claims, as a result of such abuse, are specifically EXCLUDED from Clevertronics warranty terms.

## Warranty:

For Product Warranty information and Terms and Conditions of Sales please refer to our website

<http://clevertronics.com.au/terms-conditions-sale-australia-nz/>



# ECFLED-LI-TH

## Economy Lithium Cleverfit LED Theatre Exit

### Installation & Maintenance Instruction Leaflet



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Designed in Australia to comply with the requirements of AS2293.3: 2005 and AS/NZS CISPR15: 2011.

## Models: ECFLED-LI-TH-yy

### Options

yy=E	Exit	yy=R	Running man
yy=ER	Exit with Right Arrow	yy=RR	Running man with Right Arrow
yy=EL	Exit with Left Arrow	yy=RL	Running man with Left Arrow
		yy=DS-R	Double sided Running Man
		yy=DS-RAOW	Double sided Running Man with Arrow

## Spare Parts:

1560200	Battery :EcoLith 3.2V 1.1Ah 210mm lead,noBKT
8002900	PCA: LED Strip ECFLED-LI CT10242-D1
8002880	PCA: Driver ECOLITH Cleverfit CT10240-L4

## Important:

It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant Australian and International Standards.

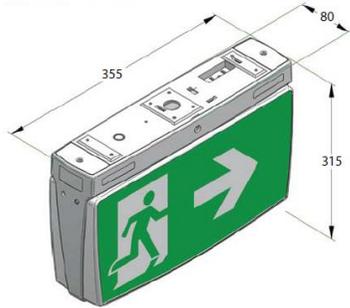
## Installation:

The Economy Lithium Cleverfit LED Theatre Exit (ECFLED-LI-TH) can be installed either Ceiling or Wall Mounted and can be mounted perpendicular to a wall using the (optional) Cleverfit Cantilever Bracket. The ECFLED uses a "slide connect bracket base" that is mounted and wired into position first. The main body can be installed once the base is wired or later to avoid damage during the construction phase. Please follow the steps below to install the Cleverfit Exit:

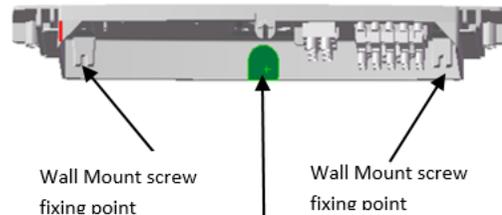
- Disengage the slide connect bracket from the exit body. Position the base in the mounting position.
- Using the bracket as a guide, mark 2 holes for mounting and one for mains access. Then install the bracket using appropriate fixings (not supplied).
- Connect the 240VAC supply to the mounting bracket.
- Configure all the mounting parts and cable entry points as below (if required) and engage the body into the slide connect bracket. Apply mains power and check that the Cleverfit Exit is operational.

## Images and Dimensions

DIMENSIONS (mm)



### Mounting Bracket - front view

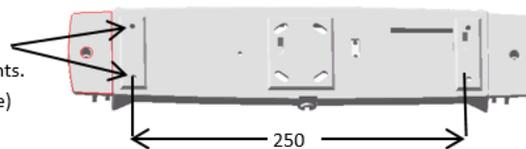


Cable Entry Point – Rear of bracket for wall mount, 20mm diameter, located in centre of bracket. Note: Bracket shown from front with the terminal block cover removed.

### Mounting Bracket – top view

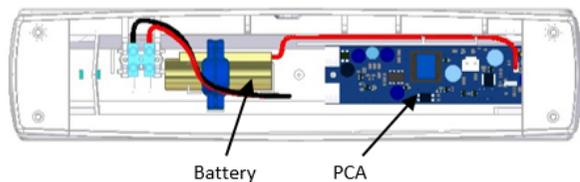
Cable Entry Point – Top of bracket for ceiling mount, 20mm diameter, located centre of bracket.

Ceiling mount - screw fixing points. (Same other side)



Cable Entry Point – Rear of bracket for wall mount, 20mm diameter, located in centre of bracket Note: Bracket only shown from front with the terminal block cover removed.

### Fitting Top View



## Cleverfit Maintenance:

### Lamp Replacement:

- Use only the lamp(s) recommended on the label inside the Cleverfit.
- To replace the lamp bar, remove the self-tapping screws, disconnect the signal cable and install the new lamp bar.

\*Please note that the 50,000 hour LED Lamp Bar used in the Cleverfit Exit does not suffer from burn out. Lamp replacement can be done as scheduled maintenance, at >5 year intervals. Please make a note, in the site logbook, as to when lamps should be changed.

### Battery Replacement:

- Use only the battery recommended on the label inside the Cleverfit and on this instruction.
- Remove the screw securing the fitting to the mounting bracket.
- Remove the fitting from the bracket by sliding it forward.
- The battery is located in the top of the fitting. See images.
- Remove the clip holding the battery.
- Unplug the battery from the PCA and remove it.
- Insert the new battery into the holder, route the DC cable to the PCA and plug the new battery into the connector.
- Secure the battery using clip.

### Changing Exit Legend Inserts:

The Legend of the Cleverfit Theatre Exit can be replaced. Replacement legends can be ordered from Clevertronics.