

## Zoneworks Monitored Option

L10 Cleverfit Pro with part numbers LCFPRO-TH-ZW and LCFPRO-TH-DATA are fitted with Zoneworks communications modules (nodes). These fittings are monitored using Powerline Carrier Technology that utilises the power cable to provide data communication to/from data routers installed on a dedicated data trunk connected to a central Server. Zoneworks software on the server is used to monitor, coordinate testing and collate test data from each L10 Cleverfit Pro. Zoneworks L10 Cleverfit Pro can be commissioned by a single push of the test switch, or scanning of the supplied barcode. The LED Test Switch indicator provides a multifunction indication of the status of the L10 Cleverfit Pro during testing and normal operation:

State	LED Operation
Commissioned	LED on Solid (Green)
Un-commissioned	LED flashes at 0.5Hz (0.5s Green, 0.5s Yellow)
Emergency Light Test in progress	LED flashes at 3s On (Yellow) & 0.5s Off

For further information of installation of a Zoneworks XT system, please refer to the Zoneworks Users Guide & Commissioning Guide.

## DALI EM Option

L10 Cleverfit Pro with part numbers LCFPRO-TH-DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3<sup>rd</sup> Party Lighting Control Systems. Before installing the LCFPRO-TH-DALI please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The LCFPRO-DALI will be addressed and configured into the control system by the Lighting Control System Commissioning Technicians and not Clevertronics.

State	LED Operation
Commissioned/ Un-commissioned	LED on Solid (Green)
Emergency Light Test in progress	LED flashes at 1s On (Yellow) & 1s Off
"IDENTIFY COMMAND"	Fitting goes into emergency mode for 10 seconds

A 2-way "figure 8" cable and terminal block facilitates the connection to the DALI network OR a 5/6way "structured wiring system" lead and plug facilitating the power and DALI connection. DALI connections are marked as Da Da.



# L10™ Cleverfit Pro GEN II Theatre LED 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**

NOTE: Standard product codes with this symbol  are enabled with Clevertest Plus capability. Please refer to the operation guide supplied with the product for details.


## Models: LCFPRO-TH-xx-zz

### Testing :

Manual Test xx = Blank  
Zoneworks xx = ZW  
Z/W DATA xx = DATA  
DALI Comp. xx = DALI  
Clevertest xx = CT

### Options:

Running Man zz=R  
Running Man Left Arrow zz=RL  
Running Man Right Arrow zz=RR  
Double sided R/M zz=DS-R  
Double sided R/M Arrow zz=DS-RAOW

(NOTE: -CT Products supplied with the Clevertest Plus Symbol  are activated with Clevertest PLUS capability. Please refer to the operation guide supplied with the product for

## Spare Parts:

1530030 Battery, Lithium L10 Cell, 3.3V 2500mAh  
8002920 PCA: LCF-Pro #CT10142 CTP  
8002710 PCA: Duris LED Strip Clevrft Pro CT10276-D1

## 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 L10 Cleverfit Pro can be installed either Ceiling or Wall Mounted. The L10 Cleverfit Pro 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 L10 Cleverfit Pro 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).
- Configure all the mounting parts and cable entry points as below (if required) and engage the body into the slide connect bracket. Connect mains and check that the L10 Cleverfit Pro Exit is Operational.
- If the CTP capabilities are activated, please affix the CTP Status Label to a visible surface.

### Mounting Bracket - Top View

Ceiling Mount screw fixing points



### Mounting Bracket - Bottom

Terminal Block



Terminal Block

Cable Entry Point – Inside of bracket for ceiling mount, 20mm diameter, located in centre of bracket.  
Bracket shown with the terminal block cover

### Mounting Bracket - Front

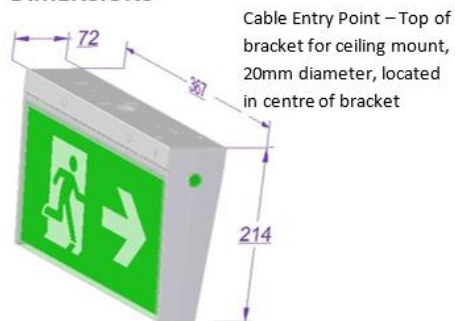
Wall Mount screw fixing points



Wall Mount Access Holes with Cover Plug

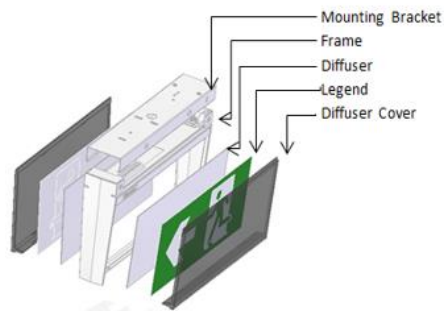
Cable Entry Point – Rear of bracket for wall mount, 20mm diameter, located in centre of

### DIMENSIONS



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

### ASSEMBLY



## Networking:

When installing the L10 Cleverfit PRO on a monitored network, (ZONWORKS, DATA, DALI) simply insert the relevant Smart Node PCA.

## 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/NZS 2293.2 and AS/NZS 60598.2.22 Standards.
- Clevertronics recommend scheduled PCA LED Light and battery changes at 4 yearly intervals or as determined by regular testing.

## 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.

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

Not applicable for –TH and –SP version

## 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 AS/NZS 60598.2.22 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.

The luminaire is not suitable for covering with thermally insulated material.

## 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/>