

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):

C0=D3.2 C90=E6.3 (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:

The manufacturer warrants the goods against defects solely due to faulty parts or workmanship of the manufacturer for a period of 48 months from the date of purchase. This warranty covers the repair or replacement of the goods at the discretion of the manufacturer, upon the goods being returned to the nearest branch of the manufacturer at the clients cost. Any other warranty or guarantee, expressed or implied, to the extent permitted by law, is expressly excluded. The manufacturer shall not be liable for any costs or consequential losses that may arise through the use of any of the manufacturers' products. Installation or operation of this product in a manner NOT complying with this instruction leaflet will automatically void any and all warranties.



L10 Cleverfit Pro 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.

Models:

LCFPRO-xx-yy-zz

Test Option:

xx=DALI DALI
xx=DATA Zonework Data
xx=ZW Zonework
xx=CT Clever test

Special Option:

yy=TH Theater
yy=SP Special Decal
zz=UPS Uninterrupted Mains Supply (No Internal Battery)

Spare Parts:

1530030 – Battery, Lithium L10 Cell, 3.3V 2500mAh
8002310 – PCA: LED Driver Cleverfit PRO
8002250 – PCA: LED Light Cleverfit PRO

Important:

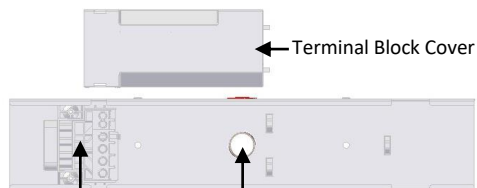
It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant Australian and International Standards.

Mounting Bracket - Top View

Ceiling Mount screw fixing points



Mounting Bracket - Bottom View

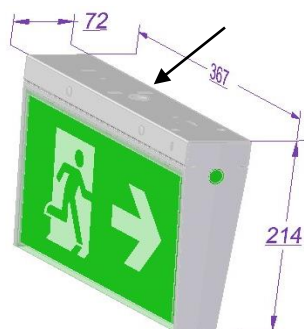


Terminal Block

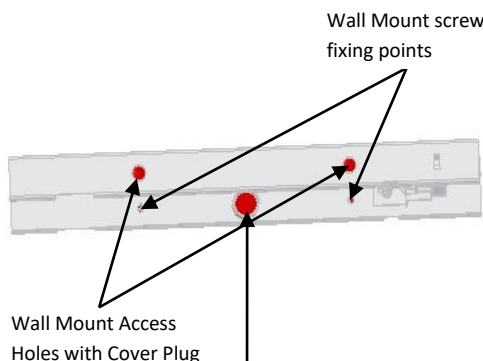
Cable Entry Point – Inside of bracket for ceiling mount, 20mm diameter, located in centre of bracket. Bracket shown with the terminal block cover removed.

DIMENSIONS (mm)

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

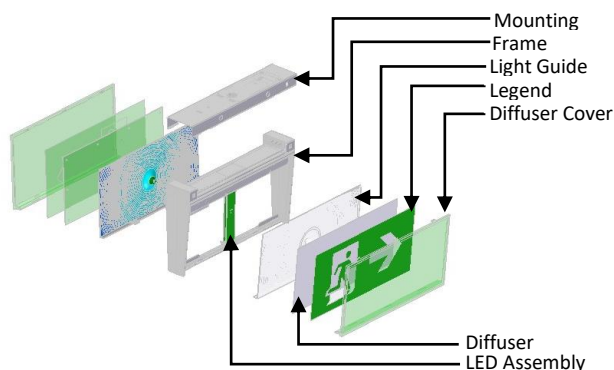
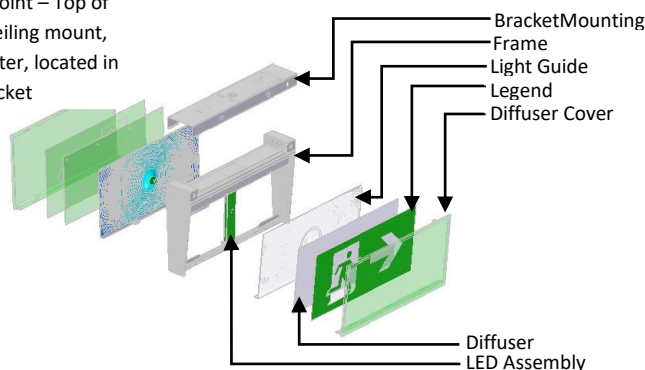


Mounting Bracket - Front View



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

ASSEMBLY



Clevertronics Self-Test (Clevertest)

Clevertronics Self-Test Cleverfit Pro (LCFPRO) can be programmed to perform 120 minute discharge tests at specific intervals. A manual test is initiated by pressing the test switch 3 times within a 5s period (immediate discharge test). A 24 hour delayed test (to allow batteries to fully charge before a test) can be initiated by pressing the test switch and hold for 10 seconds (i.e., until LED Test Switch indicator flashes rapidly). Refer Clevertest Operation Guide for more information. Once the test has been completed, maintenance personnel then view the Status Indicator of each fitting to determine a pass or failure:

| | |
|---|--|
| SOLID GREEN (not flashing) | NORMAL – The luminaire is in a normal state charging and awaiting next discharge test. |
| SLOW YELLOW FLASH (2s Yellow, 2s Off) | TESTING – The luminaire is currently performing a test. |
| VERY SLOW YELLOW & GREEN (4s Yellow, 1s Green) | RECENTLY PASSED – The luminaire has previously tested and passed. This indication remains for 5 days after the completion of the test and then changes to SOLID GREEN to indicate a normal state. |
| FAST YELLOW & GREEN FLASH (0.5s Yellow, 0.5s Green) | FAILED LAST TEST – The luminaire has previously tested and failed to remain illuminated for the required duration. This indication will remain until the required maintenance work has been completed and the luminaire passes a subsequent discharge test. |

Zoneworks Monitored Option

L10 Cleverfit Pro with part numbers LCFPRO-ZW and LCFPRO-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 LW system, please refer to the Zoneworks Users Guide ZWLW007 V1.4. & Commissioning Guide V1.6

DALI EM Option

L10 Cleverfit Pro with part numbers LCFPRO-DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the LCFPRO-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.

Networking:

When installing the L10 Cleverfit Pro on a monitored network, (ZONWORKS, DATA, DALI) ensure the jumper (J4) is removed.