

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=D4 C90=E8 (Except –TH 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 24 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.



LP Cleverfit Pro LED Exit

Installation & Maintenance Instruction Leaflet



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**Designed in Australia in accordance with;
AS/NZS2293.3:2005**

Models: CCFPRO-ZZ-XXX-SS

Testing Options ZZ -CT	LP Clever-test Cleverfit Pro LED Exit
-ZW	LP Zoneworks Cleverfit Pro LED Exit
-DATA	LP Zoneworks DATA Cleverfit Pro LED Exit
-DALI	LP Zoneworks DALI Cleverfit Pro LED Exit
Body Colour XXX - BLK	Black Body
Theatre SS -TH	Theatre Exit

Spare Parts:

1550130 – BATT:LP 3.2V 1500mAh 260mm lead,no BRKT.
8002550– 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.

V1.4

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Installation:

The LP Cleverfit Pro can be installed either Ceiling or Wall Mounted. The LP 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 LP Cleverfit Pro Exit:

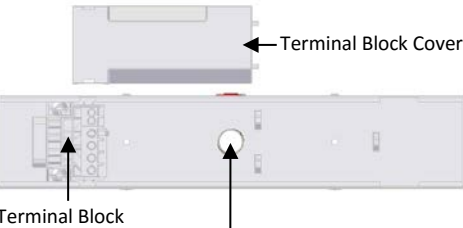
- Disengage the slide connect bracket from the exit body. Position the base in the mounting position.
- Using the bracket as a guide, mark 2 holes for mounting and one for mains access. Then install the bracket using appropriate fixings (not supplied).
- Configure all the mounting parts and cable entry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

Mounting Bracket - Top View

Ceiling Mount screw fixing points



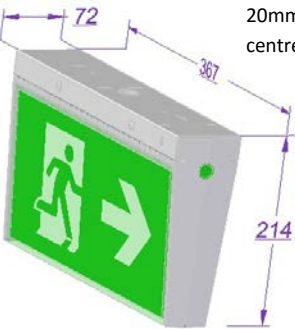
Mounting Bracket - Bottom View



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

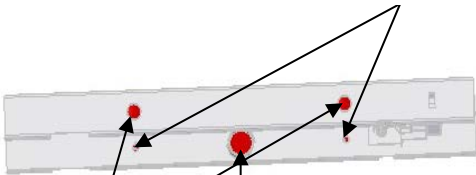
DIMENSIONS (mm)

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



Mounting Bracket - Front View

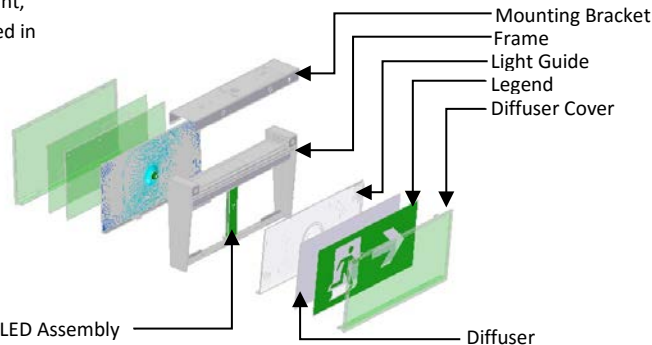
Wall Mount screw fixing points



Wall Mount Access Holes with Cover Plug

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

ASSEMBLY



Clevertronics Self-Test (Clevertest)

Clevertronics Self-Test Cleverfit Pro (CCFPRO) 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

LP Cleverfit Pro with part numbers CCFPRO-ZW and CCFPRO-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 fitting. Zoneworks LP 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 LP 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

LP Cleverfit Pro with part numbers CCFPRO-DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the CCFPRO-DALI please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The CCFPRO-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 LP Cleverfit Pro on a monitored network, (ZONWORKS, DATA, DALI) ensure the jumper (J4) is removed.