

After Power ON, the Status LED on a Clevertest Plus enabled fitting will display a rapid Green or Red flashing for a period up to 2 minutes.

Zoneworks, HIVE (HV/HVG) and DATA Monitored Options

Fittings with part numbers -ZW, -HV, -HVG, -DATA are fitted with Zoneworks communications modules (nodes). These fittings are monitored using either Powerline Carrier Technology that utilize the power cable to provide data communication, RF transceiver modules operating in the ISM band or a dedicated data cable to/from data routers installed on a dedicated data trunk connected to a central Server (can also be connected via Ethernet/Internet/Fibre). Zoneworks software on the server is used to monitor, coordinate testing and collate test data from each fitting. Zoneworks Fittings can be commissioned by a single push of the test switch or by scanning the supplied barcode. The LED Test Switch indicator provides a multifunction indication of the status of the fitting during testing and normal operation:

Option	State	LED Operation
ZW, HV, HVG, DATA	Commissioned	LED on Solid (Green)
ZW, DATA	Un-commissioned	Batt plugged-in: yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV, HVG	Un-commissioned With network connectivity	Batt plugged-in: yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV, HVG	Un-commissioned Without network connectivity	Batt plugged-in: yellow 250mS, green 250mS, yellow 250mS, green 250mS, green 1s
		Batt unplugged: red 250mS, off 250mS, red 250mS, off 250mS, off 1s
ZW, DATA	Emergency Light Test In Progress	LED flashes at yellow 5s , Off 1s
HV, HVG	Emergency Light Test In Progress	LED flashes at yellow 1s , Off 1s

In the case of the DATA version a 2-way "figure 8" cable and terminal block facilitates the connection to the DATA network via a multi-drop bus (daisy chain connection). For further information of installation of a Zoneworks system, please refer to the Zoneworks Users Guide and Commissioning Guide (incl. DATA version)

DALI EM Option

LP batten with part numbers -DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the -DALI batten, please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The batten 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"	Lamp and Status LED Flash for 30 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.



LP™ Sustained Emergency LED Battens 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: CBS2LEDS-DIF-yy-zz-vv-xx

Testing:	Manual Test	vv = Blank	Options:	On/Off Sensor Control	zz = MS
	Zoneworks	vv = ZW		DALI Driver	zz = DD
	Zoneworks DATA	yy = DATA		Black Colour	xx = BLK
	DALI	yy = DALI		4 Hour Battery	vv = 4HR
	HIVE	yy = HV/HVG			
	Clevertest	yy = CT (NOTE: Products supplied with the Clevertest Plus Symbol  are activated with Clevertest PLUS capability. Please refer to the operation guide supplied with the product for details).			

Spare Parts:

1550050	Replacement Battery
1100634	Replacement 240V LED Strip
1100641	Replacement 240V LED Strip (For -4HR)
AUM02370170001	Replacement Emergency Driver
AUM02870100001 / AUM02970060001	Replacement Emergency Driver (For -HV / -HVG)
AUM02270170002	Replacement Emergency Driver (For -DALI)
AUM02370080001	Replacement Emergency Driver (For -4HR)
8002695	Replacement Emergency LED Board
1330029	Replacement 240V Driver
1330038	Replacement 240V Driver (-DD Option)

Important:

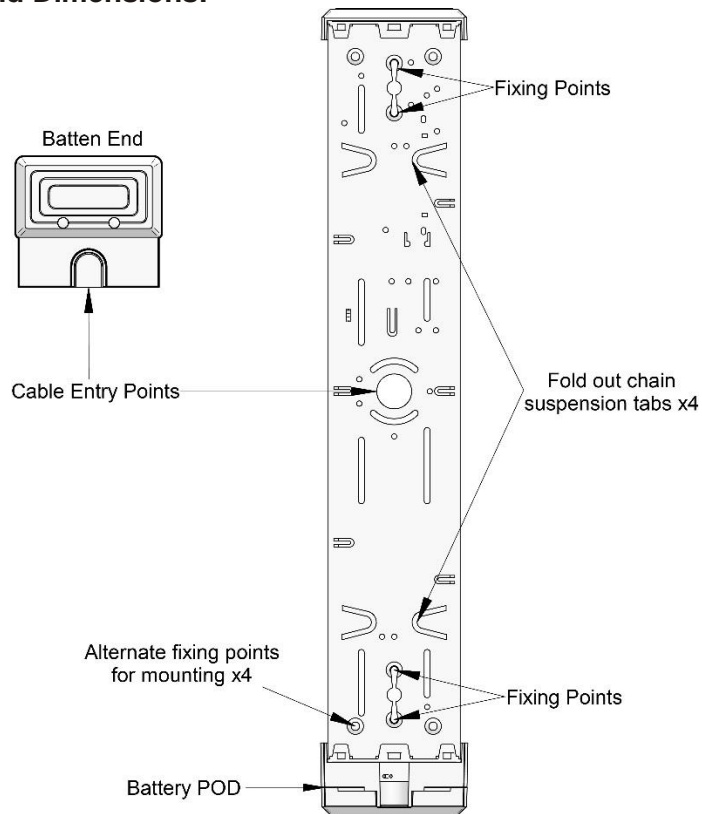
It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant Australian and International Standards.

Installation:

This LP Emergency batten can be wall or ceiling mounted.

- Refer Images below for the mounting hole, cable access and other dimensions.
- Remove the diffuser.
- Remove the cover plate and disconnect the LED strip connector. Unhook the lanyard
- Position the batten in the desired location.
- Mark out the fixing points on the mounting surface.
- Install appropriate fixing hardware.
- Route power supply cables through the access hole as the rear of the fitting or the ends if using surface conduit (punch out the knock-outs in the plastic end caps)
- Fasten the batten to the surface.
- Terminate the supply cable to the terminals marked A_{EM}, N, A_{SW} and E (240V AC/50Hz)
- Attach the cover plate to lanyard, Re-connect the LED strip connector and Re-attach the cover plate onto the body of the batten.
- Re-install the diffuser
- If the CTP capabilities are activated, please affix the CTP status label to a visible surface and Four Segment Marking on the product will include an "F" in third segment block.

Images and Dimensions:



Testing:

When the LP batten unit is connected to the un-switched active, it must be allowed to charge the battery for at least 24 hours. The emergency lamp only illuminates during a power fail. Conduct the following tests:

- The emergency lamp must illuminate for at least 2 hours after disconnection from the mains. 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 illuminate for the requisite time, remedial action must be taken to repair the situation and once completed, the unit must pass a subsequent test.
- Press and hold Test Button or switch Off Mains Supply, check that the emergency lamp is On.
- Release the Test Button or Switch On Mains Supply, check that the emergency lamp is Off (Non-maintained operation).

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

Fault: The Green LED 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):

Refer to the Technical Label for classification information.

Caution:

On many building sites, power circuits may be cut off in an uncontrolled and repetitive basis during construction. As a result, any LP battens, on these circuits, will have their batteries discharged or "cycled". The Li-ion battery in the LP batten has been selected to give excellent long-life performance in a controlled IEC 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.

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/>