

## 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.

## Swingblade Maintenance:

### Battery/Lamp Replacement:

- Prise off the plastic end caps from ends using a terminal screwdriver
- Disconnect the lamp lead from the PCB and slide out the LED light bar.
- Reinsert new LED light bar, reconnect the lamp lead and replace the plastic end cap.
- Remove the central screw connecting the two earth leads to the earth bar. This screw holds the equipment tray in place.
- Slide the gear tray out from the test switch/light bar end, unplugging the AC connector once it is revealed.
- Unplug the battery lead then bend back the metal tabs securing the battery pack. Remove the battery and replace with the changeover battery pack.
- Re-assemble the fitting reversing the above procedure. It is important that the screw securing the two earth leads is re-installed and tightened correctly.

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

C0=D6.3 C90=E3.2 (Not applicable to 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 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/>

## 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.




# L10™ Swingblade LED

## Installation & Maintenance Instruction Leaflet



Swingblade® in wall mounted configuration

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:


LSBLED-yy-xx-ss-zz-vv

LCSBLED-yy-xx-ss-zz-vv (Classic blade option)

### Testing:

### Options:

Manual Test	xx = Blank	Running Man	ss=R	Black in colour	vv = BLK
Zoneworks	xx = ZW	Running Man Left	ss=RL	Special Legend	ss = SP
Zoneworks DATAxx = DATA		Running Man Right	ss=RR	Fire Panel Sound Control	zz = SND-24V
DALI Compatible	xx = DALI	Double sided R/M	ss=DS-R	Zoneworks Sound Control	zz = SND
Clevertest	xx = CT			Theatre	yy = TH

(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:

1530070	BATT: L10 3.3V 2500mAh 200mm lead, sp.BRKT
8002355	PCA:Lithium S/BLADE Driver. #CT10164-L4
8002354	PCA:LBSLED-TH #CT10164-L4 6C20 (Theatre)
8002175	PCA:24DLED UB LED Strip, #CT10156-D2
3740010	Directional Sound Module for SwingBlade

## 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:

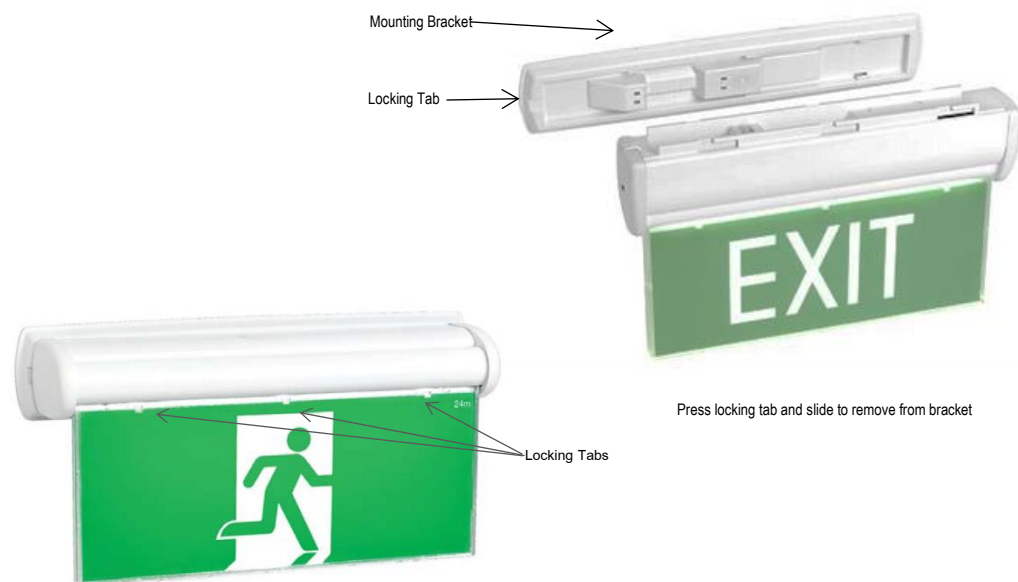
The L10 Swingblade LED Exit (LSBLED) is a surface mount (wall or ceiling) fitting. The LSBLED can be attached directly to any solid surface, or to a ceiling tile using the integrated mounting bracket. Please follow the steps below to install the LSBLED Exit:

- Remove the mounting bracket from the fitting.
- Using the bracket as a guide, mark 2 holes for mounting screws. Then install the bracket.
- Connect the 240VAC supply.
- Insert the LSBLED body into the bracket and slide to lock into position.
- If the CTP capabilities are activated please affix the CTP status Label to a visible surface.

**NOTE: If product is suspended below the ceiling or mounted on a metal surface the Swingblade bracket cover plate accessory (S/N:2740100) is required to cover the mains terminals.**

## Networking:

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



Swingblade® in wall mounted configuration

## Changing Diffuser Decals: (Not applicable to LCSBLED and –TH options)

The Swingblade Exit uses Clevertronics patented “Tamper proof” Exit legend cover and comes complete with spare legend inserts to enable straight on, left or right arrow as well as SS/DS combinations.

The tamper proof cover is held in place by 3 locking tabs recessed in the top edge of the diffuser. Use a tool to disengage and push the locking tabs through to release the cover and remove the insert, replacing it with the desired one.

To re-install the clear cover, first engage the three small lugs on the bottom of the cover into the respective recesses in the diffuser. Once you are sure the lugs are located, carefully push the 3 locking tabs back in to complete the process.

## Clevertest and Clevertest Plus

Refer to the supplementary operation guide supplied with the Product.

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 and DATA Monitored Options

Swingblades with part numbers LSBLED-ZW, LSBLED-DATA are fitted with Zoneworks communications modules (nodes). These fittings are monitored using either Powerline Carrier Technology that utilises the power cable to provide data communication or a dedicated data cable to/from data router 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 Swingblade and 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 Swingblade 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

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 W system, please refer to the Zoneworks Users Guide and Commissioning Guide (incl. DATA version)

## DALI EM Option

Swingblades with part numbers LSBLED-DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3<sup>rd</sup> Party Lighting Control Systems. Before installing the LSBLED-DALI please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The LSBLED-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. DALI connections are marked as Da Da.