

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

Lifelights with part numbers LLIFE-ZW, LLIFE-DATA are fitted with Zoneworks communications modules (nodes). These fittings are monitored using either Powerline Carrier Technology that utilising the power cable to provide data communication 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 Lifelight. Zoneworks Lifelights 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 Lifelight 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 system, please refer to the Zoneworks Users Guide and Commissioning Guide (incl. DATA version)

## DALI EM Option

Lifelights with part numbers LLIFE-DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3<sup>rd</sup> Party Lighting Control Systems. Before installing the LLIFE-DALI please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The LLIFE-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™ LIFELIGHT Recessed Emergency

## Installation & Maintenance Instruction Leaflet



**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.

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## Models:

**LLIFE-xx-yy-ss-uu-zz**

## Testing:

Manual Test

Zoneworks

Zoneworks DATA

DALI Compatible


Clevertest

xx = Blank

xx = ZW

xx = DATA

xx = DALI

xx = 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).

## Options:

Dome

Tamperproof

Black LED Head

Cable Option

ss = D

yy = TP

zz = BLK

uu = 5C / F5C

**TAMPERPROOF** variants use 4 T10 security screws to secure the head

## Spare Parts:

1530010 Battery: L10 3.3V 2.5AH 200mm lead, BRKT.

1100926 LIFELight Head Assembly, Round, LT, 1LED, 280mm

1100924 LIFELight Head Assembl, Round, LT, 1LED, Blk (-BLK option)

LLIFE-CKIT Lifelight: LED, Control Only, L10

## 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 LLIFE Recessed Non-maintained Emergency can be installed on PLASTER or T-BAR ceilings or used to replace an existing unit.

- First plan the assembly layout ensuring the battery is kept away from any heat source.
- Refer Images and Dimensions below for the Cut-out Hole and other dimensions.
- Use the Spring Clip Mount to mount the Head to the ceiling.
- Please ensure the control pack and battery is suspended above the ceiling. If the control pack and battery are to be mounted or placed on top of the ceiling, then please ensure the ceiling is capable of supporting these elements and in compliance with the relevant regulations with respect to mounting above/on the ceiling.
- 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.

## Networking:

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

## Images and Dimensions:

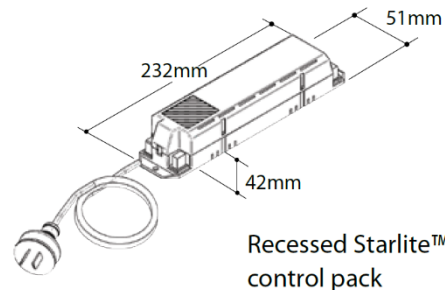
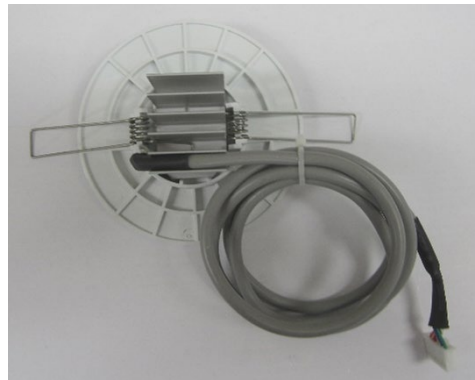
**Head depth:** 40mm including connector

**Head Diameter:** 95mm diameter

**Cut-out Hole:** 85mm diameter

**Adaptor Ring:** 145mm diameter, suits 125mm hole

**Control gear:** 232mm (L) x 51mm (W) x 42mm (H)



Recessed Starlite™  
control pack

145mm Adaptor Ring

## Testing:

When the Lifelight 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 Lifelight Units, on these circuits, will have their batteries discharged or "cycled". The Li-ion battery in the Lifelight 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/>