Clevertronics Clevertest and Clevertest Plus ☀

Refer to the supplementary operation guide supplied with the Product.

Zoneworks and DATA Monitored Options

Fittings with part numbers LBS4N-ZW, LBS4N-DATA are fitted with Zoneworks communications modules (nodes).These fittings are monitored using either Powerline Carrier Technology that utilizes 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 luminaire. Zoneworks fittings 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 fittings 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 LW system, please refer to the Zoneworks Users Guide and Commissioning Guide (incl. DATA version)

DALI EM Option

Fittings with part numbers LBS4N-DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the LBS4N -DALI please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The LBS4N-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.

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L10™ Non-Maintained Batten
Surface Mount Emergency Luminaire
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.

Models: LBS4N-xx-yy

Testing			**Options:**
Manual Test	xx = Blank		Black Colour	yy = BLK
Zoneworks	xx = ZW			
Zoneworks DATA	xx = DATA			
DALI Compatible	xx = DALI			
Clevertest	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).		

Spare Parts:

1530230	BATTERY:L10 3.3V 5AH. 200mm lead.Brkt..
1100838	Lifelight Pro Head Assembly, Ld:280mm,Round, Gen 2
LLIFE-PRO-CKIT-NP	Lifelight Pro, Control Only, L10

<u>Important:</u>

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.
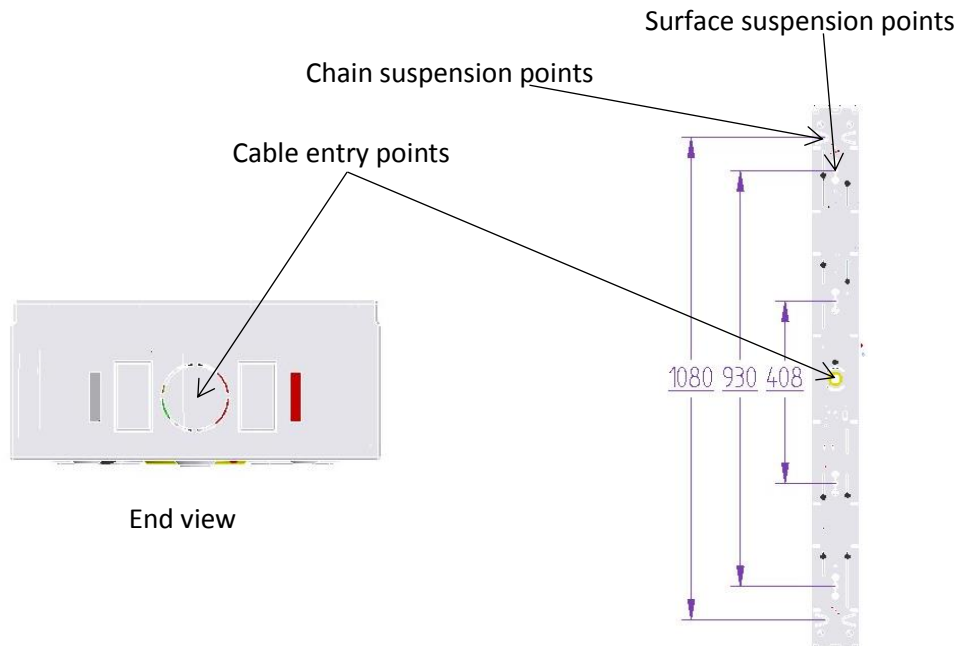
Installation:

This LBS4N Surface mount non-maintained Emergency Luminaire can be installed on solid surface or used to replace an existing unit.

- Locate the installation position.
- Refer Images and Dimensions below for the Cut-out Hole and other dimensions.
- Pre-drill mounting holes
- Mount base plate and use suitable fixings to secure the base plate into the pilot holes
- Bring in supply cables via the rear entry hole or via the end of the base plate (surface mount conduit entry)
- Terminate the supply cables to the L, N & E terminals (in the case of the –DALI or –DATA fittings terminate the DALI or DATA cable to the terminals marked Da Da or DATA).
- Install the top cover, containing the LifeLight Pro heads, ensuring to reconnect the Heads assembly to the Control Gear.
- Ensure the Battery is connected
- Screw the cover to the base plate.
- If the CTP capabilities are activated, please affix the CTP Status Label to a visible surface.

Networking:

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

Images and Dimensions:

Surface suspension points

Chain suspension points

Cable entry points

1080 930 408

End view

Initial Testing:

When the LBS4N 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 failure. Conduct the following tests:

- During the first commissioning test the emergency lamp must illuminate for at least 2 hours after disconnection from the main supply. 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 for each LED head or switch Off Mains Supply, check that the emergency lamps are 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 affixed on the product for Classification.

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/