Clevertest Plus

Clevertest products must be "activated" before self-test functionality will operate. Refer to supplementary operation guide supplied with the Product or linked via QR code on packaging for details.

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.

To register the fitting into Clevertest Plus app see supplementary guide.

Zoneworks, HIVE and DATA Monitored Options

Fittings with part numbers -ZW, -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, HVG, DATA	Commissioned	LED on Solid (Green)
ZW, DATA	Un-commissioned	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HVG	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
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 , 0ff 1s
HVG	Emergency Light Test In Progress	LED flashes at yellow 1s , 0ff 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)
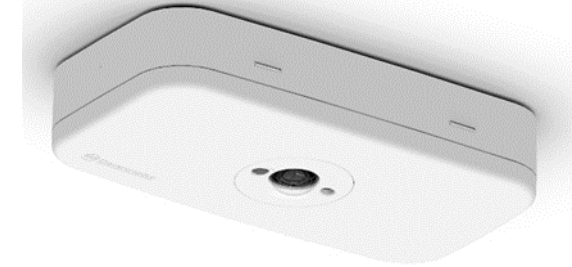
DALI 2 EM Option

Luminaires with part numbers having -D2 are fitted with DALI 2 certified modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the fitting please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The fitting 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.

CLP™ LIFELIGHT Pro Surface Mount Weatherproof Emergency Luminaire
Installation & Maintenance Instruction Leaflet

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.

CE UK CA IP65

Models: CLIFEx-PRO-SM-WP-xx-yy-ww

Testing:		Options:	
Manual Test	xx = Blank	Tamperproof	yy = TP
Zoneworks	xx = ZW	Colour, Black	ww = BLK
Z/W DATA	xx = DATA	Non-Maintained	x=Blank
Zoneworks HIVE	xx = HVG	Maintained	x=M
DALI-2	xx = D2		

Spare Parts:

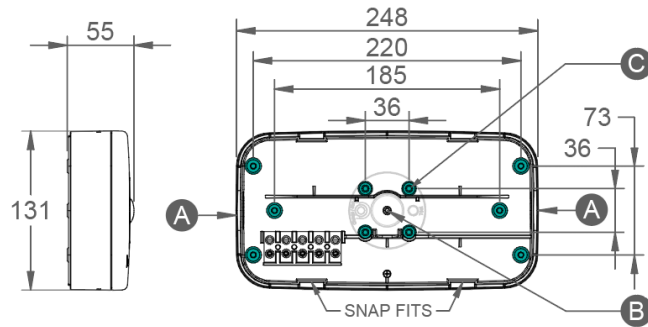|	
1553231	Replacement Battery
8050170	Replacement Emergency LED Board
8003823	Replacement Emergency Driver

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 British Standards.

Installation:

Please follow the steps below to correctly install the product;
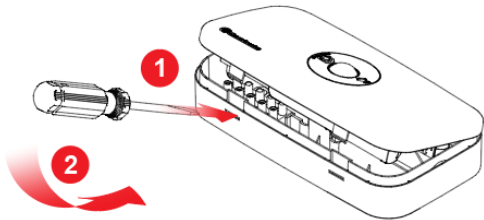
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 300mm is not expected.
- Remove the Lid from the Base by using a flat screwdriver to release the snap fits (see below)
- For products requiring a Corridor or Area Lens, replace Lens now (see below)
- Cut/Drill out Cable Entry points (A=End Entry, B=Rear Entry)
- Drill out the required fixing holes on the Base (see image below, C=Junction Box fixing)
- Mark holes on mounting surface (use drilled out holes on the Base as a template)
- Insert Mains Cables & mount Base using appropriate fixings to ensure a secure installation (mounting points must be sealed appropriately to ensure proper protection from water ingress)
- Mount Base using appropriate fixings to ensure a secure installation (pre-drill holes if required)
- Terminate the Mains Cables into terminal block. Ensure Live, L & Neutral, N wires are connected as per Terminal Block Label. Earth is not required, if Earth is brought in, it can be terminated to E.
- Re-attach Lid Assembly, ensuring to align Mains Connector Pins into Terminal Block
- Where QR/Barcode labels have been supplied with the product, ensure one of the QR/Barcode labels is adhered to a visible surface on the base of the product.
- If the CTP capabilities are activated, please affix the CTP Status Label to a visible surface.
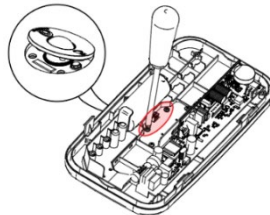
Dimensions:

Lid Removal / Lens Replacement

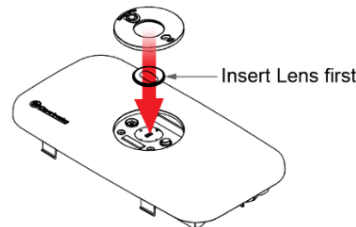**STEP 1** – Insert flat screw driver and lever to remove lid

STEP 2 – Remove the two coloured screws and push out Bezel/Lens

STEP 3 – Release Lens from the Bezel

STEP 4 - Insert required Lens followed by Bezel and re-insert coloured screws and Lid

Note: for Corridor Lens ensure the two pins engage into the PCA

Note:

This luminaire (with reinforced insulation between control/LED terminal and AC supply) contains non-user replaceable light source and battery - to be replaced (if required, refer installation instructions for battery replacement) by Clevertronics service personnel/agents or a registered electrician.

If flexible wiring is connected to this luminaire and is within arms reach, the wiring shall be effectively fixed to the wall to reduce the risk of strangulation.

Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement
2. Remove fitting from mounting bracket.
3. Remove Emergency Driver cover from top and disconnect the battery connector.
4. Remove rear diffuser cover and remove battery from holder.
5. Replace battery and connect to Emergency Driver.
6. Reinstall the rear diffuser cover and the Emergency Driver cover.
7. Reinstall the fitting onto the mounting bracket.
8. Refit the diffuser retainer and diffuser, ensure diffuser is aligned to maintain the weatherproof seal.

Testing Procedure:

When the 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 180 min after disconnection from the mains. 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).

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.

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 the Exit & Emergency Unit 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
https://clevertronics.co.uk/product-warranty-statement/