Zoneworks and DATA Monitored Options

Ultrablades with part numbers CUBPRO-ZW, CUBPRO-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 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 Ultrablade 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 Ultrablade 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 XT system, please refer to the Zoneworks Users Guide and Commissioning Guide (incl. DATA version)

DALI EM Option

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

A 2-way "figure 8" cable and terminal block facilitates the connection to the DALI network. DALI connections are marked as Da Da.

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.

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 luminaire 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.

CLP™ Ultrablade Pro Recessed LED Exit

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 IP20 UKCA

Models: CUBPRO-xx

Testing Options:

Manual Test	xx = Blank
Zoneworks	xx = ZW
Z/W DATA	xx = DATA
DALI	xx = DALI

Spare Parts:

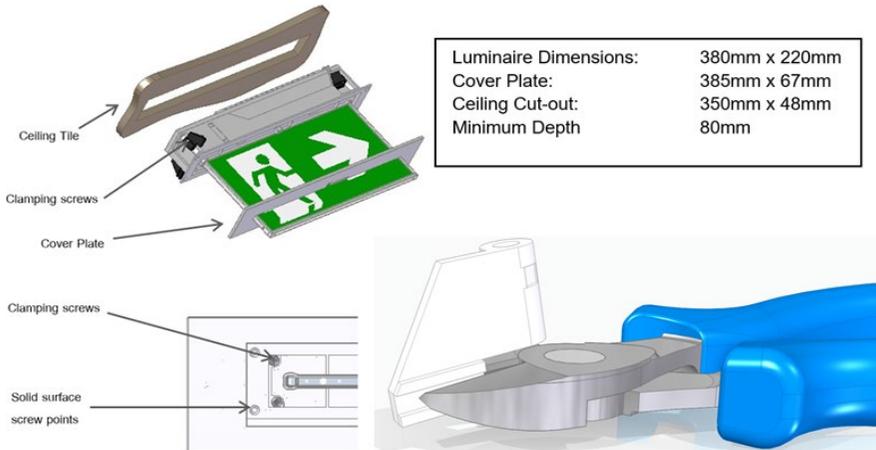|	
1550050	BATT:CLP 3.2V 3200mAh 70mm lead,no BRKT.
8002178	PCA:UBP LED strip PCB Assy (CT10602-Dx)
UKM02170130001	CUBPRO-CKIT-60, Ultrablade Pro, Control Only, CLP, 60mA

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:

The CLP Ultrablade Pro LED Exit (CUBPRO) is a recessed ceiling mount fitting. The CUBPRO can be attached directly to any solid surface, or to a ceiling tile with the integrated clamping mechanisms. The CUBPRO comes with an attached Flex and Plug. Please follow the steps below to install the CUBPRO Exit:

- Create a cut-out (350mm x 48mm) in the mounting surface.
- Route the power cord to the mains connection and connect the 240VAC supply.
- Insert the CUBPRO into the ceiling cavity tighten the (4) clamping screws.
- The standard maximum ceiling thickness is 18mm. Trim Clamp as per below image for ceiling thickness up to 25mm.
- Alternately, fix the CUBPRO to a solid surface using (4) screws through the surface material.
- Install the cover plate.
- Apply power to the fitting and test.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person to avoid a hazard.
- This luminaire contains non-user replaceable light source and battery.
- Terminal block not included. Installation may require advice from a qualified person.
- Recommended specifications of terminal block for connecting leads:
    - o Type of Terminal: Screw Terminal
    - o Number of Terminals: 3
    - o Rated Voltage: 250 V
    - o Rated Connecting Capacity: 10A
- If the CTP capabilities are activated, please affix the CTP Status Label to a visible surface.
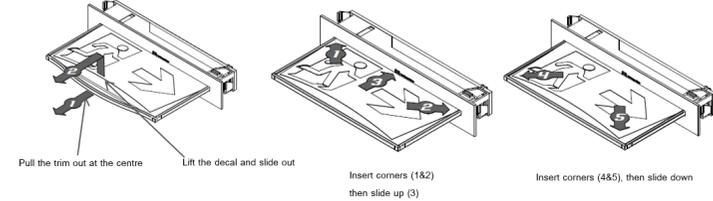
Dimensions:

Luminaire Dimensions:	380mm x 220mm
Cover Plate:	385mm x 67mm
Ceiling Cut-out:	350mm x 48mm
Minimum Depth	80mm

Changing EXIT Legend Inserts:

The Ultrablade Pro Exit comes with an assortment of standard legends.
1. To remove the legend, grasp the centre of the bottom trim piece and pull down slightly to expose the legend edge. See photo.
2. Grasp the bottom edge of the legend and slide the existing legend out of the blade, while working the edges out along the sides.
3. Slide the new legend into the blade, ensuring to fit the edges into the sides then slide the legend to the top of the blade. Insert one bottom corner then the other. Slide the legend down into the bottom trim.

Pull the trim out at the centre   Lift the decal and slide out   Insert corners (1&2) then slide up (3)   Insert corners (4&5), then slide down

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.

Maintenance:

Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement
2. Remove Cover Plate, and either remove Solid surface screws or turn Clamping screws anti-clockwise to remove fitting.
3. Remove cover and remove cable ties holding the battery and remove the Battery Connector from the Emergency Driver.
4. Replace battery, connect to Emergency Driver and secure with cable ties.
5. Replace cover and reinstall the fitting, including the faceplate.

LED Lamp Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement
2. Remove Cover Plate, and either remove Solid surface screws or turn the four Clamping screws Anti-clockwise to remove fitting.
3. Remove cover and remove cable ties holding the battery and remove the Battery Connector from the Emergency Driver.
4. Disconnect the signal cable from LED strip, loosen screw and remove the Emergency Driver.
5. Remove 4 self-tapping screws and unclip the LED strip.
6. Install the new LED strip, then following the above procedure in reverse

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).

Warranty:

For Product Warranty information and Terms and Conditions of Sales please refer to our website
https://clevertronics.co.uk/product-warranty-statement/