

## 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.

## Ultrablade Maintenance:

### LED Lamp Replacement:

- Use only the LED Strip recommended in the Spares Parts list of this instruction.
- Disconnect battery from LED driver pack and cut cable tie to remove.
- Disconnect the signal cable from LED strip, loosen screw and remove the mains driver pack.
- Remove 4 self-tapping screws and unclip the LED strip.
- Install the new LED strip following the above procedure in reverse.

### Battery Replacement:

- Use only the battery recommended in the Spares List on this instruction.
- Remove the cable ties holding the battery, un-plug the lead from the battery connector remove the old battery.
- Plug the new battery into the battery connector.
- Secure the battery using suitable cable ties

## Rated Emergency Lumen Output in accordance with AS2293.1 (refer to spacing tables for installation positions), not Included –TH version:

Refer to the Technical Label on the Product 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 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>



# LP™ Ultrablade Pro LED Exit

## Installation & Maintenance Instruction Leaflet



Designed in Australia to comply with the requirements of AS2293.3:2005 and AS/NZ CISPR:15:2017

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.

### Victoria (Head Office & Manufacturing)

195 Chesterville Rd  
Moorabbin VIC 3189  
Phone: +61 3 9559 2700  
Fax: +61 3 9559 2799

### New South Wales

Phone: +61 2 8805 6400  
Fax: +61 2 8805 6444

### Queensland

Phone: +61 7 3442 9700  
Fax: +61 7 3442 9777

### South Australia/Northern Territory

Phone: +61 8 8301 8800  
Fax: +61 8 8351 8286

### Western Australia

Phone: +61 8 9248 3720  
Fax: +61 8 9248 3725

### New Zealand

Phone: +64 800 548 448

## Models: CUBPRO-yy-xx-zz-ss-ww-vv

| Testing:    | Options:              |                             |                                   |
|-------------|-----------------------|-----------------------------|-----------------------------------|
| Manual Test | xx = Blank Theatre    | yy= TH                      | Running Man zz=R                  |
| Zoneworks   | xx = ZW Custom Option | ss                          | Running Man Left Arrow zz=RL      |
| Z/W DATA    | xx = DATA Black       | vv = BLK                    | Running Man Right Arrow zz=RR     |
| DALI Comp.  | xx = DALI             | <b>Special Cable Option</b> | Double sided R/M zz=DS-R          |
| Clevertest  | xx = CT               | ww = F5C, 5C, F3C           | Double sided R/M Arrow zz=DS-RAOW |
|             |                       |                             | Vertical R/M Right Arrow zz=VRR   |

(NOTE: -CT 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:

|             |  |
|-------------|--|
| 1550130     | BATTERY: LP 3.2V 1500mAh 260mm lead no BRKT. |
| 2310250     | Blade Assy t/s Ultrablade Pro LED            |
| 2740054     | Ultrablade to Ultrablade Pro adapter         |
| CUBPRO-CKIT | Ultrablade Pro, Control Only, LP             |

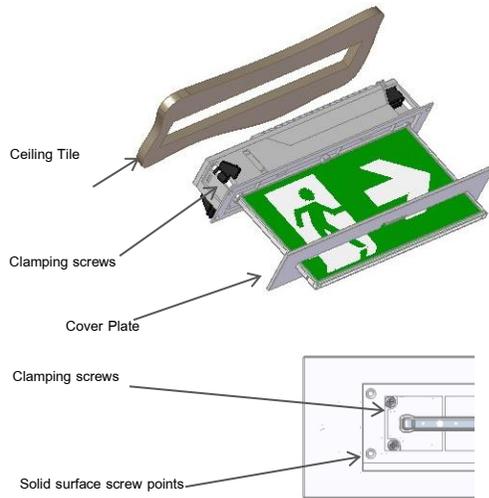
## Important:

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 LP 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:

- **If replacing an Ultrablade, an Ultrablade to Ultrablade Pro adapter 2740054 (sold separately) is required)**
- 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.
- 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 CTP capabilities are activated, please affix the CTP Status Label to a visible surface.

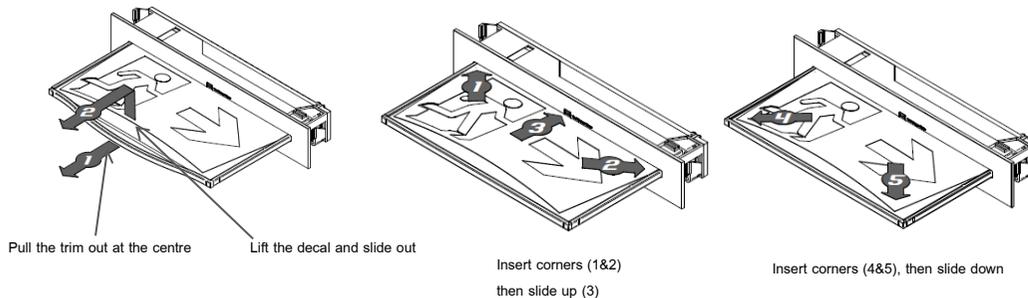


|                       |               |
|-----------------------|---------------|
| Luminaire Dimensions: | 380mm x 220mm |
| Cover Plate:          | 385mm x 67mm  |
| Ceiling Cut-out:      | 350mm x 48mm  |
| Minimum Depth         | 80mm          |

## 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.



## 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

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 LW 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 3<sup>rd</sup> 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"               | 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.

## Networking:

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