

OWL Bulkhead



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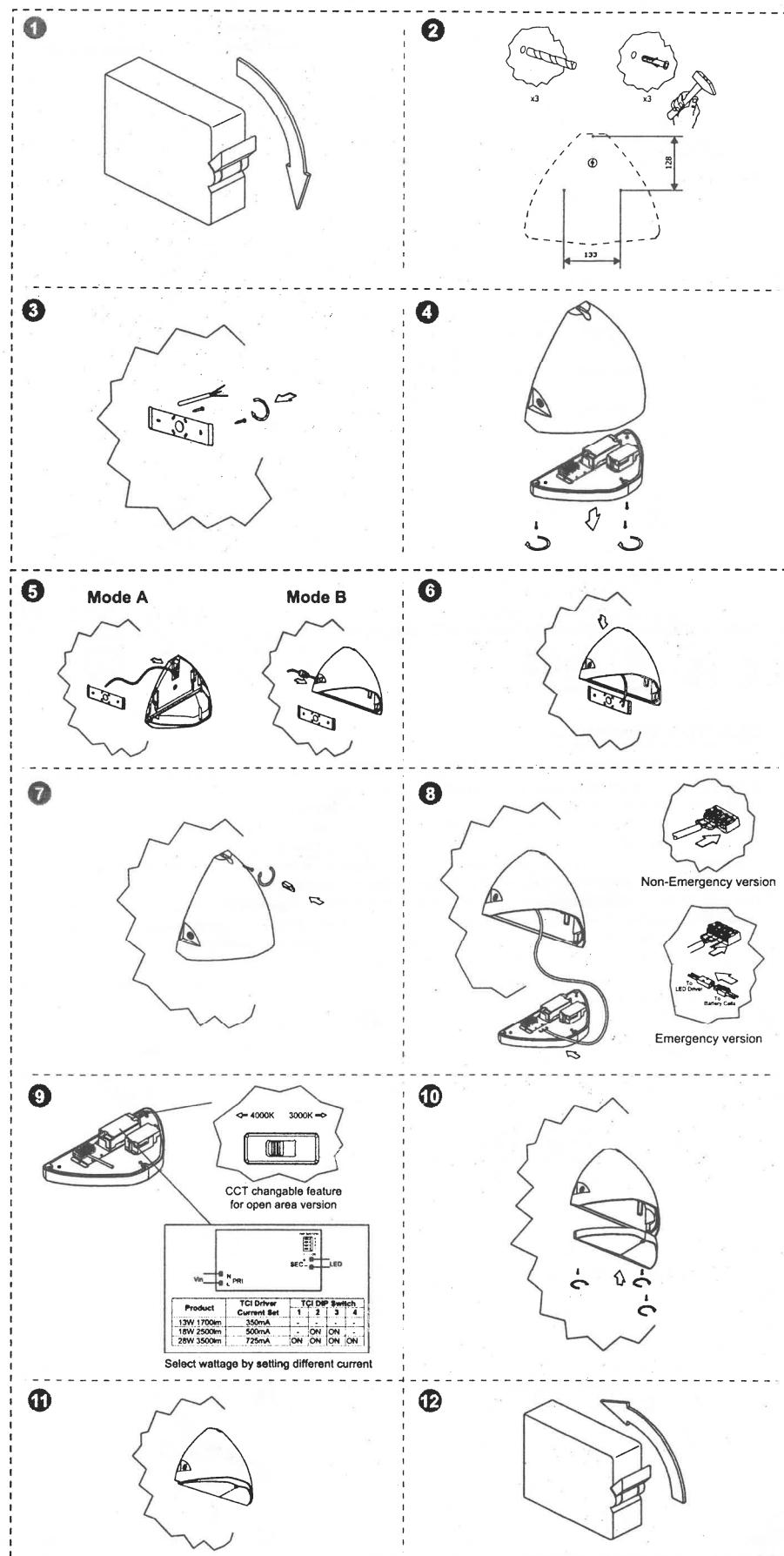
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LIGHT YEARS AHEAD
PART OF DARO SPECIALIST LIGHTING

OWL Bulkhead



Luminaires Installed with an emergency pack

Emergency Luminaire Installation Testing Procedures

In the event of a mains failure, emergency luminaires are fitted with an electronic control gear and battery packs to provide 3-hour duration operation. A permanent mains supply is required to charge the battery. A switched supply is required for normal operation of the fitting. Installation and wiring must be carried out by a competent person in accordance with BS5266 part 1 code of practice for emergency lighting installations and local and national wiring standards.

Battery Commissioning

Batteries require correct activation to ensure they achieve their rated capacity and operate for the specified duration. Incorrect activation will invalidate any warranties provided.

In order to activate new batteries, two to three full charges and discharges are required until the batteries achieve their rated capacity. Fully charge for 24 hours and discharge over 3 hours. If this activation process is not followed, the emergency luminaire may not pass the initial duration test. In the event that the first duration test fails, charge the batteries for a further 24 hours and repeat the test. Repeat this process until full 3-hour duration is achieved.

Where mains supply is not available for a continuous 24-hour period (such as during building construction) ensure the battery is disconnected in the luminaire until mains power supply is stable on a 24-hour basis. Intermittent power supply can lead to unwanted, uncontrolled excessive battery cycles that can adversely affect the design lifetime of the battery.

If batteries are driven into a 'deep discharge' state they will not recover after charge and discharge cycles, therefore, it is important that batteries are not left connected for long periods in a discharged state.

Emergency lighting should be tested in accordance with BS EN 50172 and BS 5266-8. For manual testing of luminaires, a suitable means of interrupting the mains supply is required. For self-test or DALI luminaires, see separate luminaire installation instructions.

Preparation

The OWL LED luminaire is designed as an impact-resistant secure luminaire.

It is critical that the mounting surface is prepared to be as smooth and flat as possible, and that all fixing points are used to provide a tight fit between the lens and mounting surface. Whilst the flexibility of the lens will allow for minor irregularities on the mounting surface, it is recommended that highly irregular surfaces are rendered, prior to installation. As conditions of individual premises vary it is the responsibility of the installer to ensure that the integrity of the luminaire IP rating is maintained. In cases where the fixings provided are not appropriate washer, gaskets and sealing materials are required to ensure all fixings and unused holes are adequately sealed.

Important

Installation, commissioning or maintenance should only be carried out an authorised and qualified person or people. Modifications should only be carried out with prior written agreement from the manufacturer. Luminaires must not be disposed of as household waste and should be submitted through the local recycling process (WEEE).