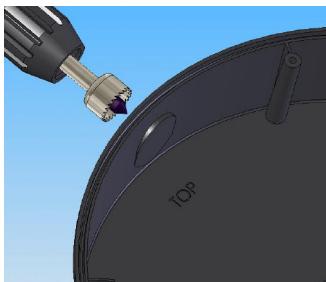


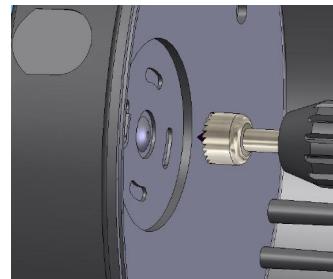
IP65 *LED* SURFACE BULKHEAD LUMINAIRE

INSTALLATION INSTRUCTIONS

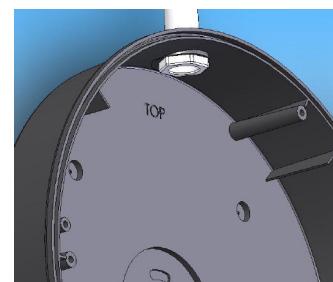
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1. Select appropriate cable entry pointy and with suitable hole cutter (typically 20mm) drill through and debur to leave a clean hole.



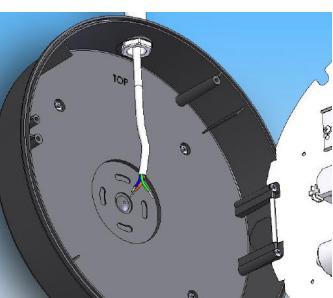
2. An alternative entry can be made via the central besa (drill from inside).



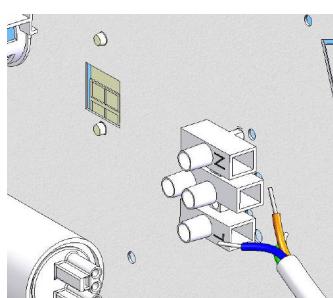
3. Attach suitable rated IP65 cable entry gland / cable conduit. This is vital to maintain IP integrity. If not already done, mark out fixing points.



4. Secure luminaire to mounting surface with appropriate screws (not supplied). When wall mounting ensure hinge is set to the right (3 o'clock position).



5. Prepare cable for second fix (3 core for mains only versions, 4 core for emergency luminaires). GEAR TRAY MUST BE EARTHD.



6. Make electrical connection as indicated on terminal block. Block is suitable for 2x2.5mm² conductors for loop - in / loop - out.

7. Refit gear tray in to position and secure single fixing screw. Be careful not to touch LED board.

8. The diffuser should be refitted with the screws secured with a 8Nm torque (in accordance with test standards). Check that rubber gasket is in situ, failure to do this may compromise the IP integrity.

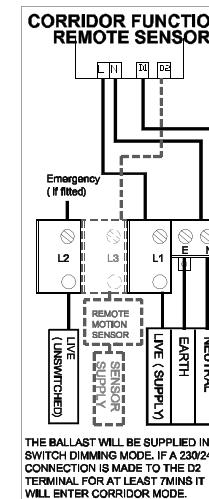
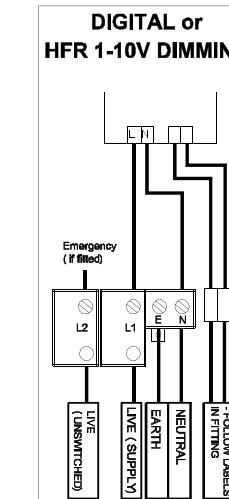
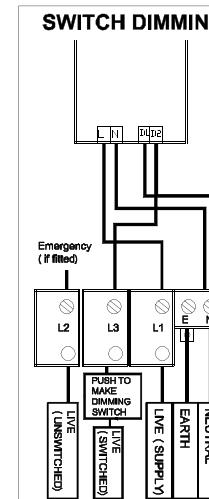


WARNING – THIS LUMINAIRE MUST BE EARTHD

This luminaire has been tested and is manufactured to comply with BS EN 60598 specification for general requirements and tests. It should be installed by a suitably qualified person in accordance with I.E.E. regulations and relevant legislation.

- a. This luminaire is suitable for both indoor and outdoor conditions.
- b. Approved ambient temperature range is : -20degC (0degC for emergency versions) to 25degC (max). If the temperature exceeds the drivers maximum TA there is a safety mechanism where the driver will either dim or switch off to allow it to cool.
- c. Check rating label for voltage & frequency prior to connection.
- d. Ensure mains supply is switched off when servicing this luminaire.
- e. Ensure a copy of this leaflet is retained by persons responsible for the operation and maintenance of the luminaires.
- f. No lamp changes are required with LED products.

IF THE FITTING IS DIMMABLE wire as below:



DIMMING NOTES:

Always wire the fitting as per the labels indicated on the terminal blocks.

For mains wiring of fittings with integral sensors refer to separate sensor installation leaflet.

IF THE FITTING IS MAINTAINED EMERGENCY:

IMPORTANT: When the mains supply is isolated, the output terminals can still be live if the battery is connected. Both mains and batteries must be isolated before servicing.

1. This luminaire is supplied converted for 3 hour maintained emergency operation.
2. Fitting should be installed in the usual way as detailed on the installation instruction leaflet supplied.
3. A secondary unswitched live connection should be fed to the inline within the fitting. The unswitched supply must be taken from the same phase as the switched luminaire supply.
4. Once installed the unit integral/remote must be commissioned. The battery cells must be connected to the emergency module (left disconnected in packing to avoid possible high voltages at lamp holders) this is done by a plug and socket arrangement.
5. After connecting the unswitched mains supply, the green LED indicator illuminates to indicate the batteries charging. Upon disconnection of this supply the indicator will extinguish and the emergency tube will light. Please ensure the tab that the LED is installed into is folded to an appropriate angle.
6. A period of 24 hours should be allowed before a full discharge test is carried out to ensure the battery is fully charged. Several charges and discharges may be required to ensure that the battery attains maximum capacity.
7. Batteries should be replaced once the rated duration can no longer be met. The test record card should be completed at specified intervals to indicate that the full 3 hour duration is still being obtained
8. A maintenance sheet showing testing intervals and durations is included and should be filled in by the installation engineer on completion and issued to the customers maintenance department.

NOTES:

NORMAL AND EMERGENCY SUPPLIES MUST BE CONNECTED TO THE SAME PHASE

There are no user serviceable parts in the module.

Battery electrolyte can be harmful to eyes and open wounds. Care must be taken to avoid puncturing the case and allowing electrolyte to escape. If electrolyte touches the skin, flush with water. Do not incinerate batteries.