

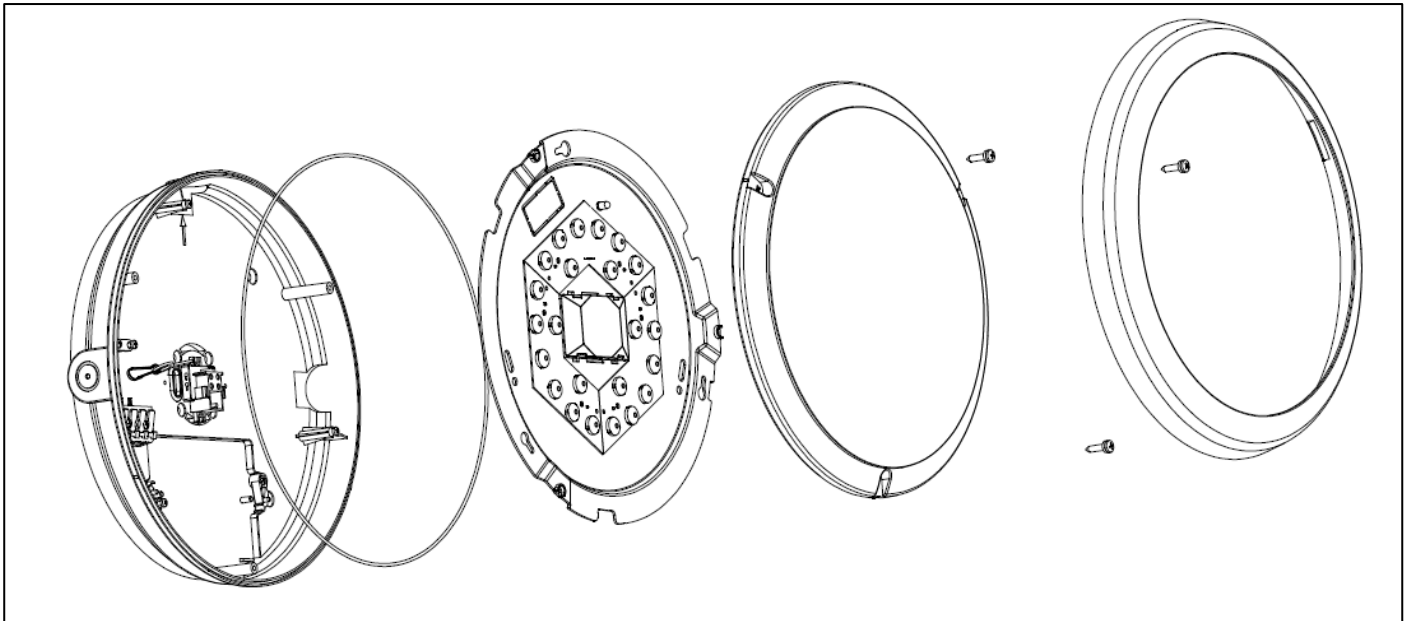
## Ossa-i LED Bulkhead

Please read these instructions thoroughly before use and retain for future reference.

### Safety Information

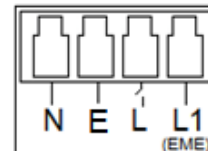
These instructions apply to:  
KBHCT12C9S65/SCT-WHT  
KBHCT12C9S65/E/SCT-WHT

- Installation must be carried out in accordance with national building and wiring regulations.
- If you are in any doubt about installing this product, please consult a qualified electrician.
- The LED module light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.
- This product is suitable for connection to a 220-240Vac 50/60Hz supply.
- This product is a **Class II** luminaire not requiring an Earth connection.
- This product is **IP65** rated.
- If connecting the luminaire to independent sensors or time switches, ensure that the control device does not leak a voltage across the luminaire in the off state. Leaked voltages may accumulate and cause intermittent flashes in the off state.
- When drilling holes take care not to damage existing wiring or pipework.

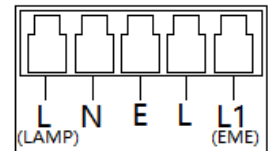


### Basic Installation

- Before commencing installation or any maintenance, turn off and isolate the circuit to be worked on by removing the fuse or switching the circuit breaker off at the distribution board.
- Remove the clip-on decorative trim and the screws for the diffuser.
- The gear tray (A) can be temporarily moved aside by loosening the screws in the keyhole slots.
- The bulkhead has knock-out cable entries at 90° positions and a rear entry point. Decide which to use and install a suitably IP rated grommet or cable gland for the supply cable.
- When fixing the bulkhead with a raised head screw, ensure the rubber washer is placed between the fitting and the metal washer on the inside to form a seal. When fixing the bulkhead with a countersunk screw, ensure the rubber washer is placed between the fitting and the screw in the countersunk hole.
- The gear tray (A) can be suspended by the cord (C) provided.
- Connect the supply cable to the terminals (B) as follows:  
**Brown – Switched Live (L) for Normal Switching Operation**  
**Brown – Un-switched Live (L1) for Permanent Emergency Module Supply**  
**Blue – Neutral (N)**  
**Green/Yellow – Earth (E) for Optional Earth Continuity**
- **Note: L (Lamp) terminal is for internal wiring use only**
- For the emergency version, open the battery compartment cover (H) on the emergency module and connect the battery.
- Connect the brown and blue wires (D) from the driver (E) to the terminals (B) as follows:



KBHCT12C9S65/SCT-WHT



KBHCT12C6S65/E/SCT-WHT

#### KBHCT12C9S65/SCT-WHT:

**Brown – Switched Live** L  
**Blue – Neutral** N



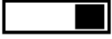
#### KBHCT12C6S65/E/SCT-WHT:

**Brown – Lamp Live** L(Lamp)  
**Blue – Neutral** N

- If adding the optional self-test emergency module (for KBHCT12C9S65/SCT-WHT only), or sensor options, or decorative backlight rings options follow the additional instructions below before continuing.
- Ensure that all electrical connections are secure with no loose strands.
- Install the gear tray so that the bigger **keyhole slot (F)** is **aligned with the screw (L)** near the arrow on the back-plate.
- Replace the diffuser taking care to ensure the water seal is in place and the small washers are under the screw heads.
- Clip on any decorative trim.
- Reconnect the power supply.

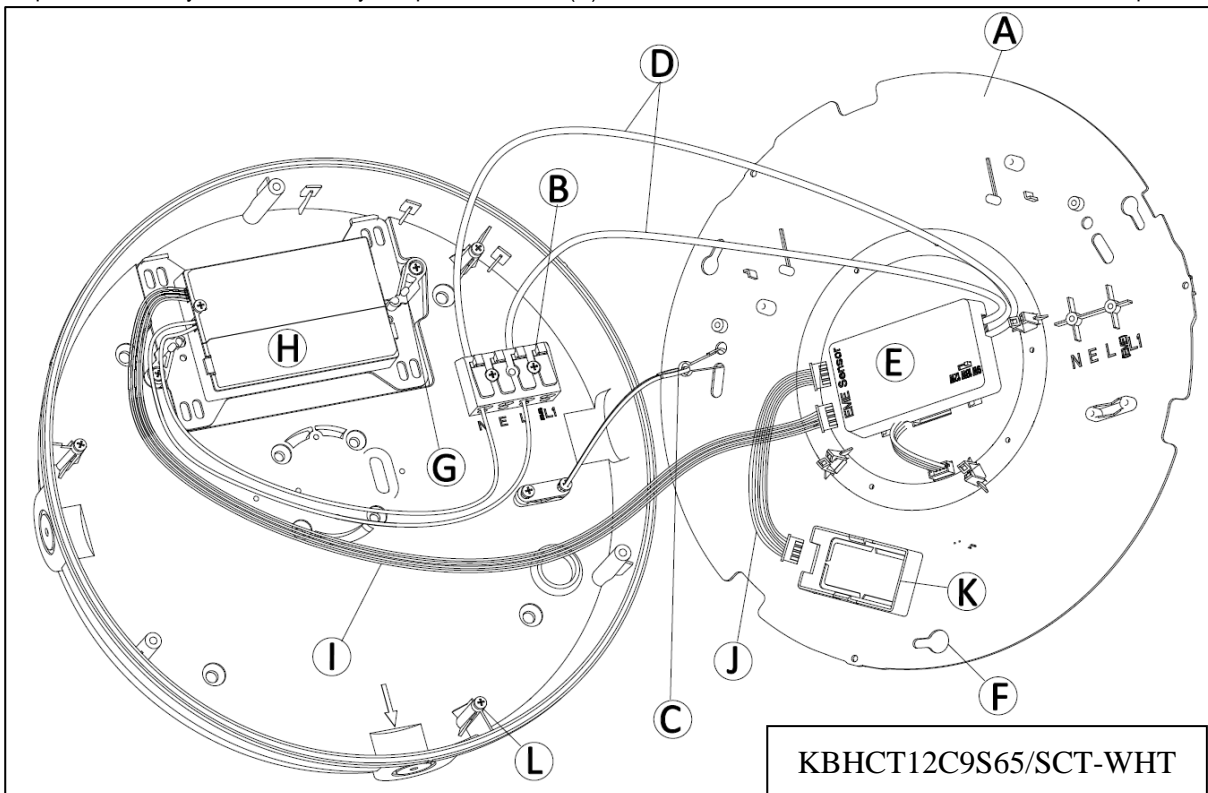
### Setting the Colour Temperature (CCT)

- The colour temperature can be selected by setting the CCT DIP switch on the face of the LED Module. The choices are 3000K (Warm White), 4000K (Cool White) and 5000K (Day Light)

CCT	DIP Switch
DL 5000K	
CW 4000K	
WW 3000K	

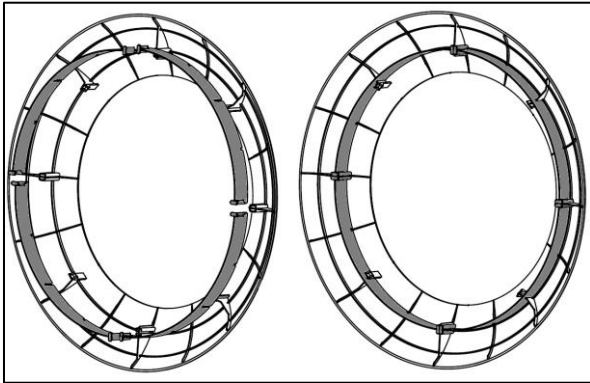
### Adding the Optional Self-Test Emergency Module (Applicable to KBHCT12C9S65/SCT-WHT only)

- The optional emergency module provides power in the event of a cut in the supply and must be wired to the un-switched supply through the un-switched live terminal (L1).
- Referring to the diagram below, install the emergency module as shown using the fixing clips (G) provided in the bulkhead.
- Connect the brown and blue wires from the emergency module to the terminals (B) as follows:  
**Brown – Un-switched Live (L1) for Permanent Emergency Module Supply**  
**Blue – Neutral (N)**
- The emergency module battery is installed within the emergency module, which should be delivered with the battery disconnected.
- **Open the battery compartment cover (H) on the emergency module and connect the battery.**
- Write the commissioning date on the battery label and replace the cover.
- Connect the flat four pin output plug (I) from the emergency module to the EME socket on the Driver.
- Stick the Maintained or Non-Maintained emergency luminaire label on the luminaire.
- The battery leaves the factory in a charged state but may take up to 12 hours to fully charge for a 3-hour test. Charge for 5 minutes before performing a functional test to ensure there is some charge in the battery.
- Replace the battery within the battery compartment cover (H) when the luminaire fails to meet the 3-hour duration requirement in testing.



## Decorative Backlight Rings

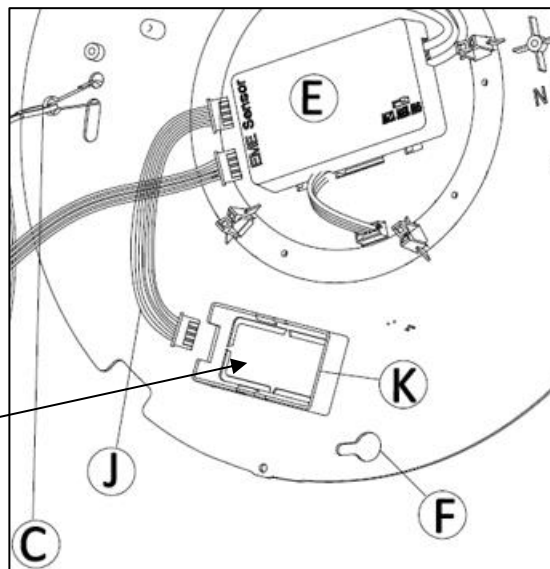
- Optional backlight rings (red/green/blue) are supplied with 379mm rims.  
Before clipping the decorative rim to the bulkhead, clip the four coloured pieces inside the decorative rim as shown.



## Optional Microwave Sensor

- The optional microwave sensor module will sense movement and switch the luminaire on, depending on the daylight sensor setting, and keep it on for the hold time once movement has ceased.
- Plug the cable (J) to the matching socket at the end of the sensor module (K) and the SENSOR socket on the driver (E).
- Set the DIP switches according to the tables below.
- Remove the knock-out cover of the moulding. Push the sensor module (K) into the moulding as shown on the diagram with the DIP switch side downward.**
- Set the DIP switches according to the the instructions provided with the **KBTNLS1-MWS2** Microwave Sensor.

Ensure sensor module (K) is inserted correctly - DIP switch side should face front of bulkhead



We hereby declare that this product meets the requirements of the **EU Radio Equipment Directive 2014/53/EU & UK Radio Equipment Regulations 2017**.

Declaration is issued under the sole responsibility of the manufacturer. Conforms to:

EN 300 440-1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods
EN 301 489-1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
EN 301 489-3	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz
EN 303 446-1	Electromagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment; Part 1: Requirements for equipment intended to be used in residential, commercial and light industry locations; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU



The Waste Electrical & Electronic Equipment Regulations (WEEE) require that products bearing this symbol must not be disposed of with household waste as they may contain substances harmful to the environment. The Local Authority can provide advice on recycling.