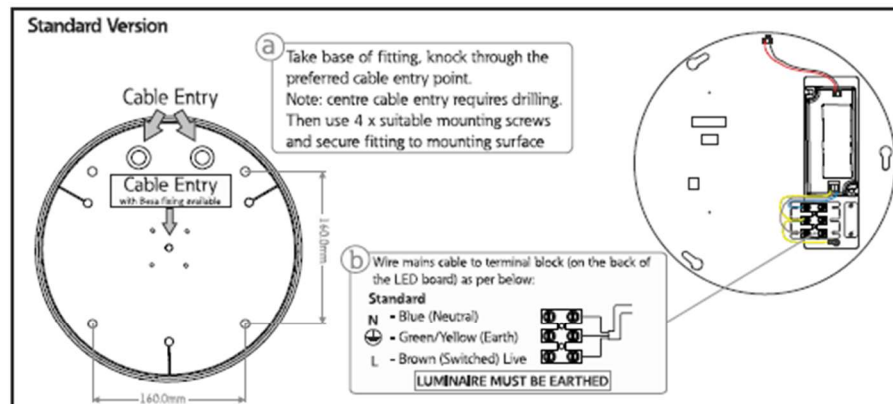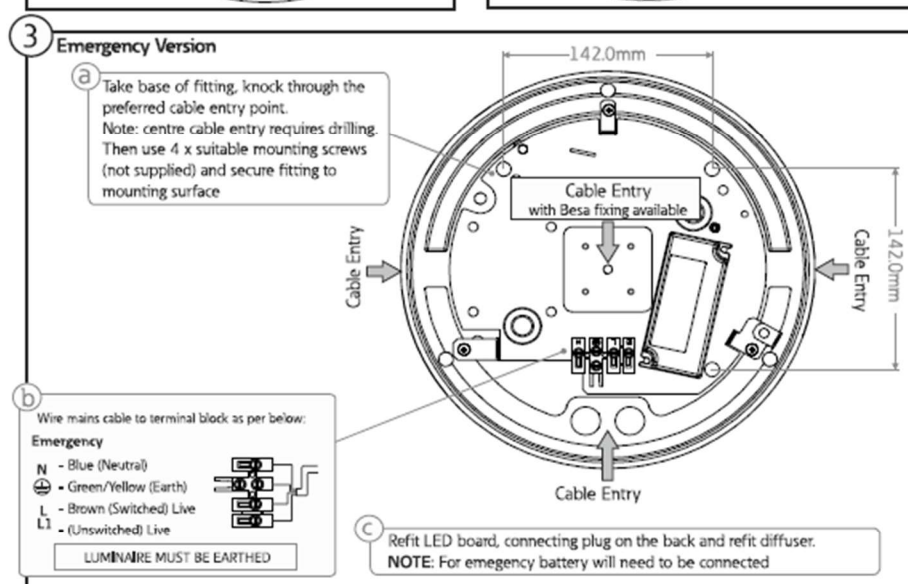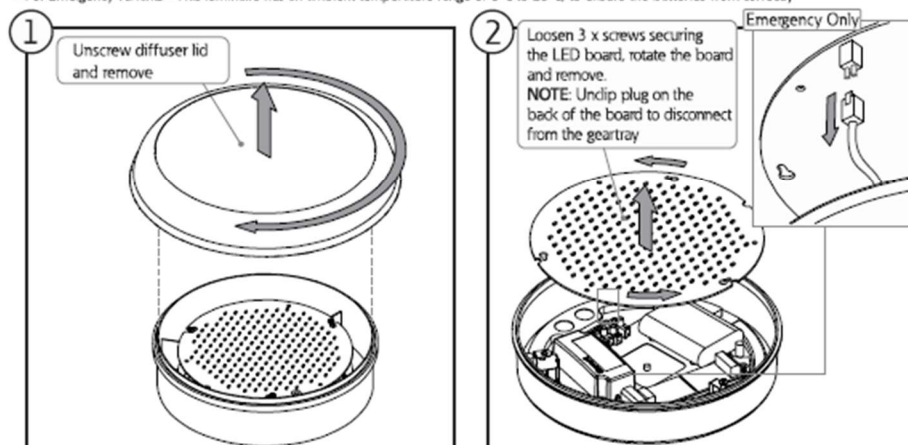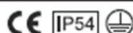## KM1 Circular Bulkhead

CE IP54

- Product luminaires comply with EN60598 and are suitable for use in normal interior conditions.
- This luminaire has an ambient temperature range of -25°C to 25°C for the non-emergency version
- For Emergency variants - This luminaire has an ambient temperature range of 5°C to 25°C, to ensure the batteries work correctly
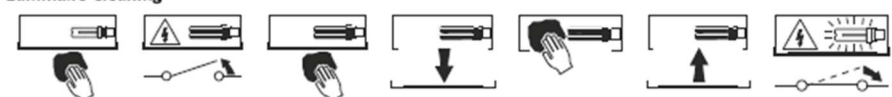
① Unscrew diffuser lid and remove

② Loosen 3 x screws securing the LED board, rotate the board and remove.
NOTE: Undip plug on the back of the board to disconnect from the geartray

Emergency Only

③ **Emergency Version**

ⓐ Take base of fitting, knock through the preferred cable entry point.
Note: centre cable entry requires drilling.
Then use 4 x suitable mounting screws (not supplied) and secure fitting to mounting surface

142.0mm

142.0mm

Cable Entry

Cable Entry
with Besa fixing available

Cable Entry

Cable Entry

ⓑ Wire mains cable to terminal block as per below:
Emergency

N — Blue (Neutral)
⏚ — Green/Yellow (Earth)
L — Brown (Switched) Live
L1 — (Unswitched) Live

LUMINAIRE MUST BE EARTHED

ⓒ Refit LED board, connecting plug on the back and refit diffuser.
NOTE: For emergency battery will need to be connected

advance
LED lighting solutions

Standard Version

ⓐ Take base of fitting, knock through the preferred cable entry point.
Note: centre cable entry requires drilling.
Then use 4 x suitable mounting screws and secure fitting to mounting surface

Cable Entry

Cable Entry
with Besa fixing available

160.0mm

160.0mm

ⓑ Wire mains cable to terminal block (on the back of the LED board) as per below:
Standard

N — Blue (Neutral)
⏚ — Green/Yellow (Earth)
L — Brown (Switched) Live

LUMINAIRE MUST BE EARTHED

Safe Operation

1. Check the rating label for voltage and frequency before connecting this luminaire to the electrical supply.
2. Ensure that the mains supply is switched off when working on this luminaire, whether installing or carrying out any other servicing.
3. Do not mount luminaire on or close to readily flammable materials.
4. To prevent damage to driver, do not mix with conventional magnetic ballasts on the same electrical circuit.
5. Where use in more onerous situations is required, e.g. In part-completed buildings before "drying-out" is completed, or areas where ambient temperatures are outside the normal temperature range, then consult our Sales Office.
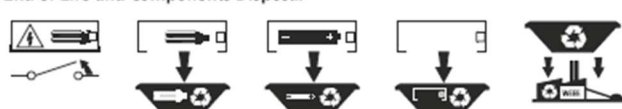
Servicing and Disposal

1. At commissioning and handing over of installation ensure that a copy of these instructions is presented to the authority responsible for the operation and maintenance of the luminaries.
2. Servicing, e.g. cleaning, must only be carried out after the electricity supply has been switched off. It must not be assumed that luminaries with lamps not lit are switched off-always check before servicing.
3. Cleaning should be carried out at regular intervals to ensure that dirt does not accumulate to an extent that will impair the thermal safety or optical performance of the luminaire. Regular cleaning will also ensure that the optical performance of the luminaries is maintained.
4. Avoid touching the LED array surface. To clean – Blow surface with either dry air or nitrogen gas.
5. At the end of life the luminaire is classed as WEEE under directive 2002/96/EC and should be disposed of in accordance with local legislation.

Luminaire Cleaning

End of Life and Components Disposal

On/off Control HF Sensor

HYTRONIK ®

HC005S
Against wireless signals interference

Applications

Occupancy detector with on/off control suitable for indoor use.

Suitable for building into the fixture:

- Office / Commercial Lighting
- Meeting rooms
- Classroom

Use for new luminaire designs and installations

DIP Switch Settings

1 Detection Range

Sensor sensitivity can be adjusted by selecting the combination on the DIP switches to fit precisely for each specific application.

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	○	●	○	50%
IV	○	○	●	30%
V	○	○	○	10%

I – 100%
II – 75%
III – 50%
IV – 30%
V – 10%

2 Hold Time

Select the DIP switch configuration for the light on-time after presence detection. This function is disabled when natural light is sufficient.

	4	5	6	
I	●	●	●	5s
II	●	○	●	30s
III	●	○	○	1min
IV	○	●	●	5min
V	○	●	○	10min
VI	○	○	●	20min
VII	○	○	○	30min

I – 5s
II – 30s
III – 1min
IV – 5min
V – 10min
VI – 20min
VII – 30min

3 Daylight Threshold

Set the level according to the fixture and environment. The light will not turn on if ambient lux level exceeds the daylight threshold preset.
Please note that the ambient lux level refers to internal light reaching the sensor.

Disabling the daylight sensor will put the sensor into occupancy detection only mode.

	7	8	9	
I	●	●	●	Disable
II	○	●	●	50Lux
III	○	●	○	20Lux
IV	○	○	●	5Lux
V	○	○	○	2ux

I – Disable
II – 50 Lux
III – 20 Lux
IV – 5 Lux
V – 2 Lux

Note:

Default settings are:

- 75% detection range
- 10 minutes hold time
- Daylight threshold disabled