

LED IP65 ATLAS BULKHEAD



UK ONLY

NOTE – To comply with regulations, installation must be carried out by suitably qualified competent person and in accordance with the current IEE Wiring Regulations (BS7671) and Building Regulations. A copy of the instructions must be left for the user/maintenance engineer for future reference.

For non-UK, please refer/consult local requirements

**ENSURE ELECTRICAL SUPPLY IS DISCONNECTED/
ISOLATED BEFORE COMMENCING INSTALLATION**



ASSEMBLY AND INSTALLATION

- Suitable for use with mains voltage 220-240VAC
- This product must be disconnected before insulation resistance testing of the lighting circuit
- Check for electrical cables and pipes before installation
- To maintain the IP65 rating of the bulkhead, a suitable 20mm cable gland should be used in conjunction with rubber insulated cable to ensure the supply cable is sealed in the gland. Failure to use a gland and/or rubber insulated cable may result in water ingress

SUGGESTED METHOD OF INSTALLATION

The bulkhead is designed for mounting in any of the following options: –

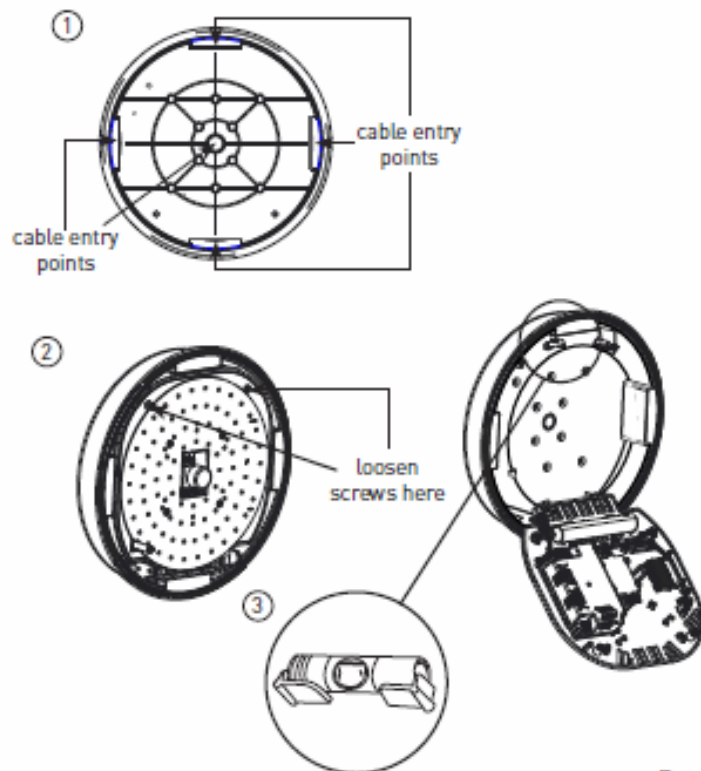
- Surface Wall Mounting
- Surface Ceiling Mounting
- Semi-recessed Ceiling Mounting

1. With the method of mounting chosen, remove the front Diffuser and Trim Bezel (1)

2. To drop the Driver tray, loosen two screws shown then lower the gear tray. (2 - Gear tray and drop tray)

3. Incorporated within the base is a spirit level to help align the bulkhead for wall mounting, in such applications the level should be at the top. (3)

Surface mounted options may use rear cable entry for flush mounting or there is facility for surface Conduit 'besa' box mounting or side conduit entry. Semi-recessed Mounting utilises the metal bracket included but may require access to the ceiling void during installation



SURFACE MOUNTING

LBHxx4K can be mounted on ceilings and Vertical walls. Ensure the mounting surface is suitable for installation. Once Mounting points are decided, drill out mounting holes and any cable entry points needed

If using a side cable entry the Lower trim needs to be cut also for a flush finish (4)

SEMI-RECESSED MOUNTING

The LBHxx4K can also be recessed mounted into ceilings. Recessed mounting uses the supplied metal bracket, but is installed without the lower trim. When recessed, only the 4 side cable entry points can be used

Access to the ceiling space is recommended for installation

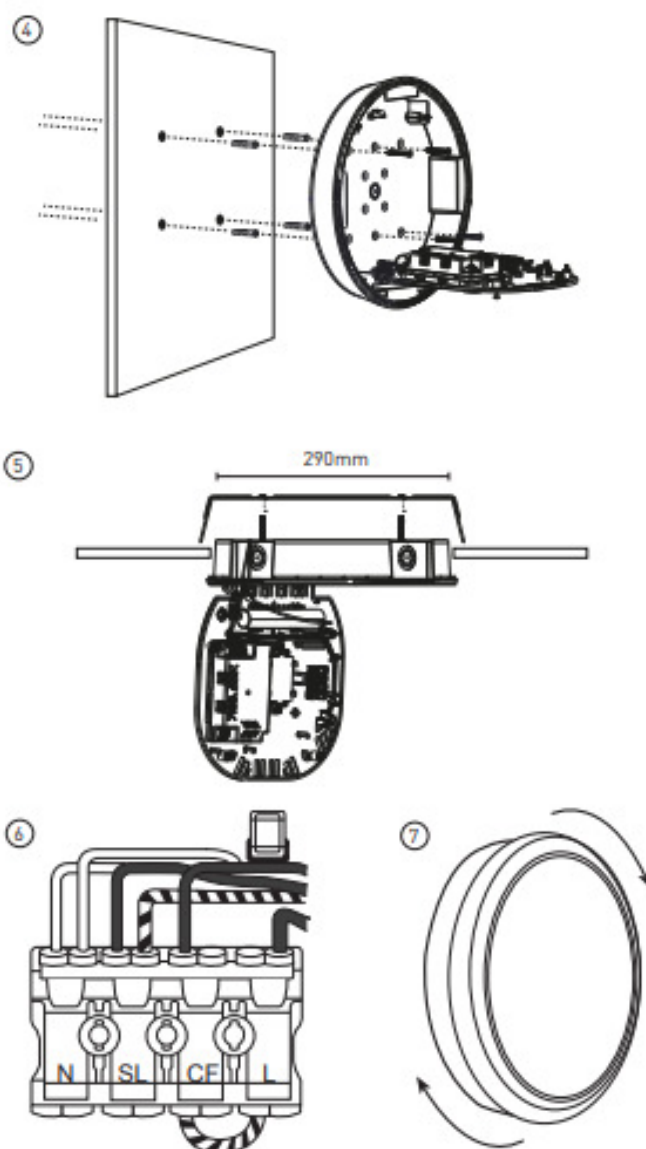
The product is installed into a 290mm Cut out, and can be mounting into ceilings upto 30mm thick

Choose wiring entry/exit points and drill out cable entry points prior to installation. Install as shown, with the bracket on the top side of ceiling. Install with supplied bolts until tight (5)

ELECTRICAL CONNECTIONS

1. With the bulkhead securely fixed in the desired position, make the electrical connection to the terminal block, observing the correct polarity. (See also additional information)
2. Refit gear tray and secure using the two screws provided.
3. Fit the diffuser by rotating Clockwise until secure. (7)

Note – the bulkhead is a class II construction and does not require an Earth Connection

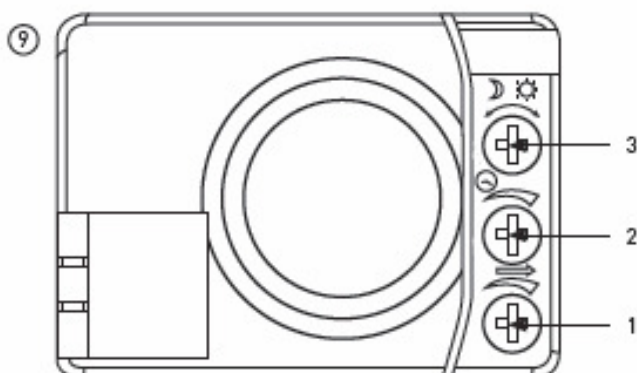


ADDITIONAL INFORMATION - MICROWAVE SENSOR

- Versions fitted with a MicroWave sensor allow the bulkhead to be automatically switched ON where movement is detected
- MicroWave sensors are significantly more sensitive than Passive Infra Red (PIR) sensors, which only detect changes in heat against the background. Therefore MicroWave sensors can be prone to 'nuisance switching' in an exterior application

MICROWAVE SENSOR SETTINGS

- The MicroWave sensor is supplied, pre-set to its optimum settings and also configured to 'corridor function' facility. This provides a standby mode, where the sensor will switch the bulkhead off
- By Default the Sensor is set to dim the product to 0% light output when no presence detected. This can be changed to 10% by changing the wiring layout on the terminal block
- The Bulkhead can be adjusted to switch/dim to 10%, (see below). Due to the use of LED, the energy used is minimal in Corridor Function mode and threshold setting prevents the sensor from operating when there is adequate natural light in the area [9]
- This low illumination provides security for people in areas such as corridors and stairwells, that the area is not totally dark when initially entered.
- The Sensor Has a LED that will flash to show how the sensor is set
- **Range** – The sensor has a maximum range of upto 10M, this is based on being ceiling mounted at around 2.5M. The range is based on detecting a person of around 1.6M tall, 1 Flash – 1M, 5 Flashes = 5M, 10 Flashes = 10M
- **Time** – the light can be set to stay ON for any period of time between approx. 10sec (dial turned fully anti-clockwise) and a maximum of 30min (dial turned fully clockwise). Any movement detected during the "on" time will reset the timer. The number of flashes means the following:
1 flash= 10sec, 2 flashes= 1 min, 3 flashes= 2 min, 4 flashes= 5 min, 5 flashes= 8 min, 6 flashes= 10 min, 7 flashes= 15 min, 8 flashes= 20 min, 9 flashes= 25 min, 10 flashes= 30 min
- **Ambient Light** – The ambient Light level can be set between 2-2000lux. Turn it fully anti-clockwise to select dusk- to-dawn operation at about 2 Lux. Turn it fully clockwise to select daylight operation at about 2000lux. The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight



1. Detection Range – Recommended Maximum setting (Approx 10M radius) for optimum sensing
2. Switch Off Time Delay – Min 10seconds and Max 30minutes. If movement is detected during the set time delay, the delay resets. This prevents unwanted frequent switching
3. Threshold Setting – This allows the ambient light in the area to be considered, so the sensor only switches the LED bulkhead ON when there is low ambient light. Min Setting 2lux, Max 2000lux
To make maximum use of the corridor function, use the maximum setting

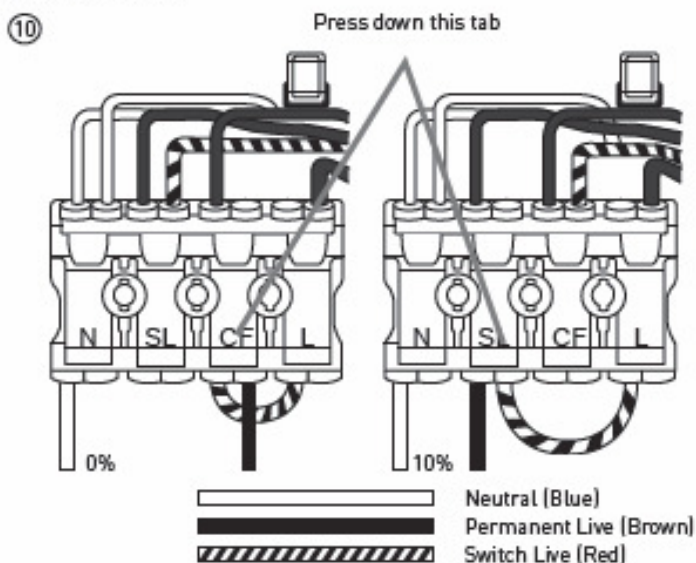
CHANGING 0% DIMMING TO 10% DIMMING

Press the terminal block piano key and remove desired wires.

For MW version, to change to a 10%

1. Swap the red loop wire on user side from CF to SL.
2. Swap the Red Sensor wire on luminaire side from SL to CF.

When 10% corridor function, ambient light sensor level must be set to maximum.



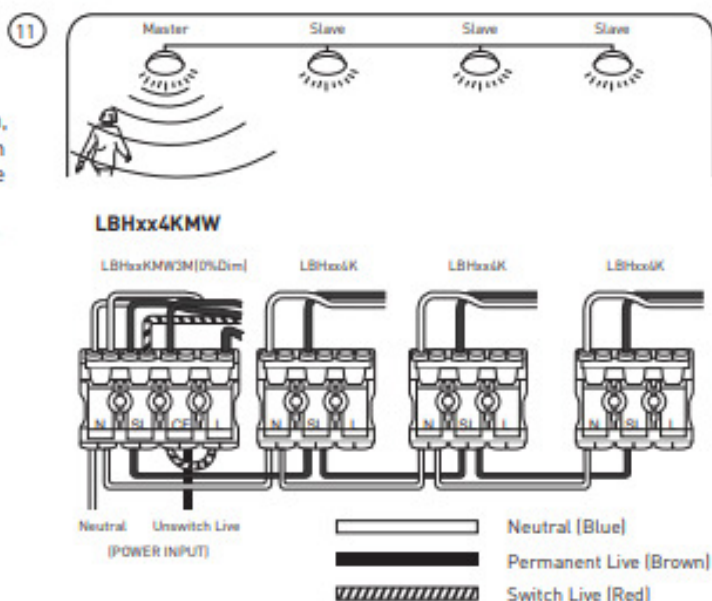
ADDITIONAL INFORMATION - MASTER/SLAVE FUNCTION

The LBHxx4K can be connected for master switching function, in this mode a sensor at the start and/or end of a corridor can switch all the lights on together. This Uses the Sensor on one product as Switched live on the others. For master/slave function, all luminaries must be run on a single Live/ Neutral chain.

Sensors can be added at both ends to allow Switching when presence at either end of the Installation

Please note, maximum of 9 fittings can be used for each switching group

Master/slave Function can operate on 0% Dimming or 10% dimming. Only 0% Dimming can be switched on/off for emergency when used in master/slave function (11)



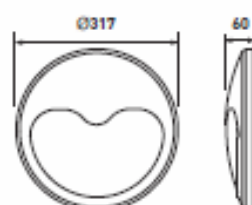
TECHNICAL INFORMATION

Code	Rated Voltage	Power	PF	Battery	Lumens with diffuser
LBH154K	220-240V- 50Hz	14W	>0.9	N/A	1250Lm
LBH154KMW	220-240V- 50Hz	15W	>0.7	N/A	1250Lm
LBH214K	220-240V- 50Hz	24W	>0.9	N/A	2100Lm
LBH214KMW	220-240V- 50Hz	26W	>0.8	N/A	2100Lm

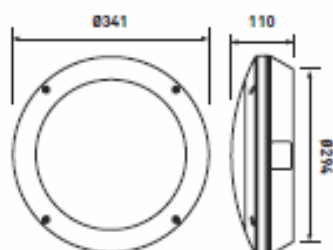
ADDITIONAL INFORMATION - COMPONENT REPLACEMENT

- The luminaire contains no user replaceable components

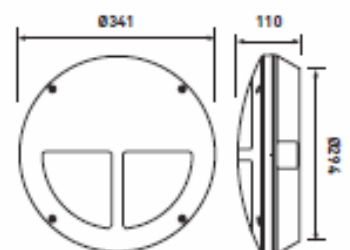
LBH154APE - Plastic eyelid



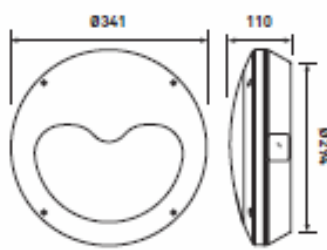
LBH154AMP - Metal standard



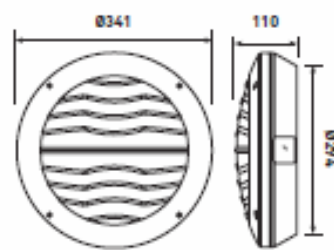
LBH154AMS - Metal split eyelid



LBH154AME - Metal eyelid



LBH154AMG - Metal grille



United Kingdom Warranty

For other territories and for further information, please see www.luceco.com for details

Products are protected by guarantee for a period of 3 year warranty, from date of purchase against defects in material and workmanship (unless otherwise stated). Should a product fail to perform as described within the warranty period it will be repaired or replaced with the same or equivalent product by Luceco, free of charge provided that you: (1) return the product to us with shipping charge prepaid, (2) provide us with proof of the original date of purchase and (3) quote our return authorization number.

Repaired or replaced products will be returned to you with shipping charges prepaid. Replacement products may be refurbished or contain refurbished materials. If in our sole discretion, we are unable to repair or replace a defective product, we will refund the purchase price of the product.

This warranty will not apply if in our judgment, the product fails due to damage in shipment, handling, storage, accident, abuse or misuse, or if it has been used in a manner not conforming to our product instructions, has been modified in any way, or has any serial number removed or defaced. Repair or attempted repair will void this warranty. Our maximum liability under the terms of this warranty is limited to the purchase price of the product covered by the warranty.

The warranty is given under English Law. If any part of this warranty is deemed unenforceable (including any provision in which we exclude our liability to you) the enforceability of any other parts of the warranty will not be affected. These terms do not reduce your statutory rights.

For Non-UK please contact Local Luceco Office for details. THESE TERMS AND CONDITIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

Eventually, you may want to replace this fitting:

Environmental Protection W.E.E (Wheelie Bin Symbol for EU ONLY)

This symbol is known as the "crossed-out" wheelie Bin Symbol. When this symbol is marked on a product or battery, It means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health and the environment.

Only dispose of electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.