

Warranty

In place of any other condition or warranties, whether imposed by statute or implied by common law we undertake as follows:

- 1) We will repair or if necessary replace free of charge any luminaires manufactured by us that is found by us to be defective and brought to our attention within 12 months of supply.

This warranty is only valid if the luminaire has remained unmodified and installed and used as per this instruction leaflet and is returned to us, carriage paid and packaged appropriately. (complete with emergency test record where relevant).

- 2) We shall not be liable for any consequential loss or damage caused directly or indirectly by any defect or otherwise.

All details in this leaflet are given for guidance only and do not constitute a contract.

We reserve the right to alter the specifications of products without notice.

Maintenance

We recommend cleaning with a soft dry cloth.

Do not use solvents or abrasive cleaners as these could damage the finish.

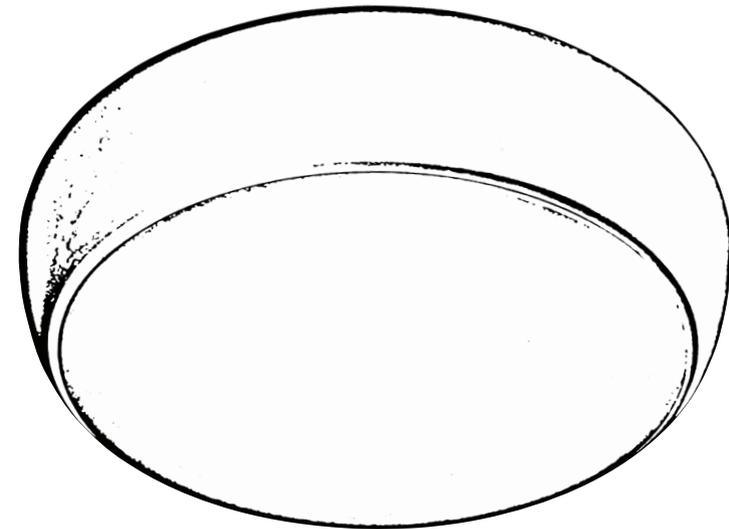
Safety information

For your safety, always switch off the supply before cleaning.

Recycling advice



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



LED AMENITY BULKHEAD

17W

LUN17LEDWO (STANDARD LED)

LUN17LEDWO-EM (LED EMERGENCY)

LUN17LEDWO-MW (LED MICROWAVE)

LUN17LEDWO-MWEM (LED MICROWAVE/EMERGENCY)

230/240V AC-50Hz



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE.

Warning

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician.

Install in accordance with IEE Wiring regulations and current Building Regulations.

To prevent electrocution switch off at mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge.

If you are in any doubt, please consult a qualified electrician.

If replacing an existing fitting, make a careful note of the connections.

This system contains non-replaceable parts and cannot be serviced. If damage occurs the part should be scrapped.

This product is not suitable for dimming.

These products should not be fitted to PIR circuits or short duration timed switches.

Layout

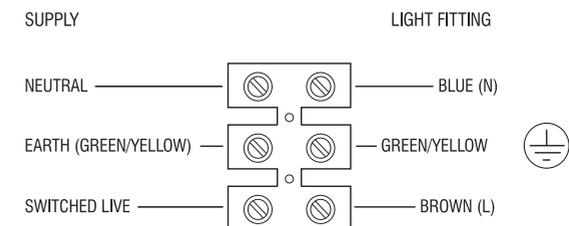
- Plan the desired layout of this fitting carefully, ensuring the cables will reach the distance between the junction box and the light fitting.
- Avoid locating any cables in positions that would cause a hazard. Position cables and junction boxes (not supplied) away from areas where they may be at risk from being cut, trapped or damaged.
- The mains supply cable must have a minimum cross sectional area of 1.0mm².
- Cables must be protected using suitable conduit or plastic trunking. This product has 4 conduit entry points in the side of the moulding.
- The products can be wall or ceiling mounted. If wall mounting ensure that the power supply is at the bottom.

Installation

1. Hold the base of the fitting and gently turn the diffuser and decorative trim anti-clockwise and lift off, or remove the hex head fixing screws and gently lift the lid off.
2. Drill holes in the back of your fitting for your fixing screws, take care and drill gently to ensure a clean hole through. Use a drill bit sized appropriately to your fixing screws. Holes are already provided in the steel luminaires.
3. Using the back of your fitting as a template, mark the position of your fixing holes on your mounting surface.
4. Prepare the holes in your mounting surface as appropriate for your fixings.
5. Pierce the cable grommet in the back of your fitting making a hole just large enough to make a tight fit around the incoming mains cable.
6. Thread the cable through the grommet and offer the fitting to the ceiling/wall.
7. Secure the fitting in place. Note, if the protection against ingress of moisture is required, the heads of screws must be covered with a silicone or similar sealant.
8. Check that the grommet is still correctly fitted in the cable entry hole and around incoming cable.
9. Make the electrical connections to the gear tray according to the symbols, adjacent to the connector block, brown to live (L) Blue to neutral (N) and earth green & yellow (E).
10. Offer the diffuser and decorative trim onto the top of the fitting and turn clockwise until they are held securely or refit the front screws into the luminaires.
11. Restore the power and switch on.

Wiring

Having correctly identified the wiring from your existing light fitting, connect to the connection block inside the product in the following way:



CHECK THAT...

- You have correctly identified the wires
- The connections are tight
- No loose strands have been left out of the connection block.

ONLY READ IF EMERGENCY OR MICROWAVE IS BEING USED

Wiring for Fittings with Emergency Pack and/or Sensor

Wire incoming earth and neutral to appropriate marked connection on connector block. Switched live to terminal marked L permanent live to terminal marked L. For models fitted with emergency pack AND sensor if you do not wish to remotely operate the sensor link the two lives together, this will allow the light to switch purely with the inbuilt sensor.

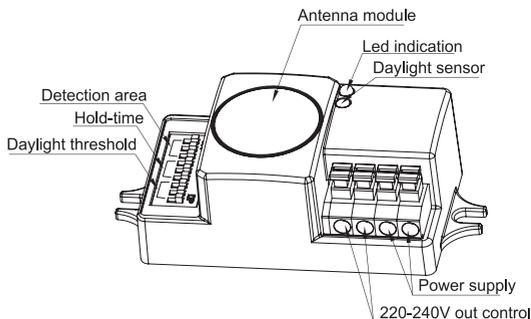
Adjust lux sensitivity and time on the sensor (If fitted) to suit requirement.

Allow 24 hours charging on the emergency pack battery.

On Emergency luminaires ensure green LED comes on after connecting power, this will go off when discharging.

Microwave Sensor

Product type: **Microwave Motion Sensor**
 Operating Voltage: **230/240V AC 50/60Hz**
 HF System: **5.8GHz CW radar**
 Transmission Power: **<0.2mW**
 Rated Load: **800w (resistive load)
 400w (capacitive load)**
 Detection Angle: **30-150 Degree**
 Power Consumption: **<0.5W**
 Detection Range: **Max. 10-12M adjustable**
 Time Setting: **5s-25m**
 Mounting: **Indoors.ceiling and wall**
 Light Control: **2-50lux, disable**
 Working Temp: **-20 - +60 degree**



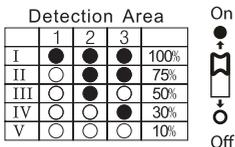
The sensor is an active motion detector: it emits a high frequency electromagnetic wave 5.8GHz and receives its echo. The sensor detects the change in echo from movement in its detection zone. A microprocessor then triggers the switch light ON command. Detection is possible through doors, panels of glass and thin walls.

DETECTION RANGE:

This determines the effective range of the motion detector and is set up by DIP switches at the sensor itself, refer to figure. Note that reducing the sensitivity will also narrow the detection range.

The following settings are available:

- I Detection Range 100%
- II Detection Range 75%
- III Detection Range 50%
- IV Detection Range 30%
- V Detection Range 10%

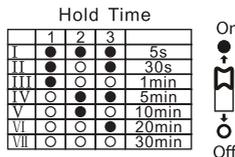


HOLD TIME:

This determines the time the fitting remains at 100% level on motion detection and is set with DIP switches at the sensor itself, refer to figure. The walk test setting is useful when installing the fitting to establish correct operation and range.

The following settings are available:

- I Walk test mode 5s
- II 30s
- III 1 minute
- IV 5 minutes
- V 10 minutes
- VI 20 minutes
- VII 30 minutes



DAYLIGHT SENSOR:

This setting holds off the 100% light output should there be sufficient daylight and is set using DIP switches at the sensor, refer to figure.

The following settings are available:

- I Photocell disabled
- II 50 lux twilight operation
- III 20 lux twilight operation
- IV 5 lux darkness operation only
- V 2 lux darkness operation only

*In daylight setting the lamp(s) will always be on with motion detected and operate at 100% light output, even in bright daylight.

