

Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS7671 and IEE/IET wiring regulations.

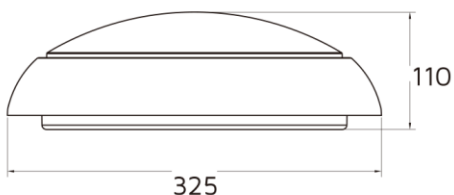
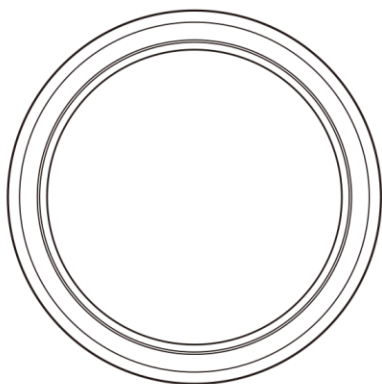
> Before installing a 2D Bulkhead or doing any maintenance, ensure power supply is turned off at the circuit breaker or fuse box.

> This product is designed for permanent connection to fixed wiring; the circuit should be protected with the appropriate MCB or fuse.

Environment

>Please DO NOT dispose of electrical items or packaging as unsorted waste. Use the recycling facilities provided by your local authorities.

PRODUCT DIMENSIONS



All units are in mm

Important Warranty Information

The LED High Bay has a 3 year warranty. The registrant must provide the product part number and date of manufacture, which can be found on the label attached to the luminaire housing along with the original purchase invoice.



Certificate No. FS 571788



Certificate No. EMS 571787

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Distributed by



DUXFORD BULKHEAD INSTALLATION GUIDE

LED BULKHEAD NET-33-06-40 (STD) LED BULKHEAD NET-33-06-42 (EM)

KEY DATA

Light Source	LED
Power	15W
Luminous Flux (4000K)	1550lm
Luminous Efficacy	105lm/W
Colour Temperature	4000K
Colour Rendering	>80 CRI
Housing Material	Polycarbonate
Diffuser Material	Polycarbonate
IP Rating	IP65
Dimmable	No
Manufacturer	Benchmark Smart Lighting



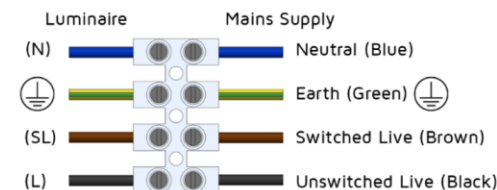
SUPPLY/EARTH CLASS

220-240V AC 50/60 Hz



Class I

Fig.1 Mains Input Termination



Installation procedure: Carefully read the installation instructions and ensure the mains supply is isolated before installation. Please read the safety information overleaf before carrying out any installation. Please retain this leaflet for future reference.

Bulkhead installation:

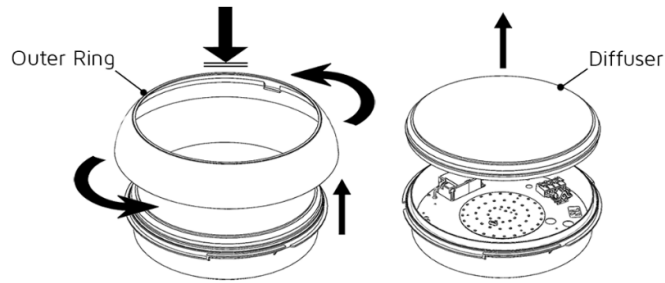


Replaceable (LED only) light source by professional

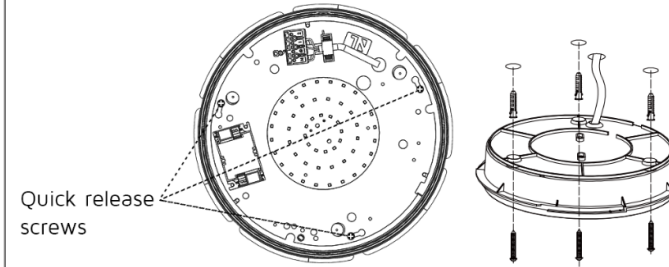


Replaceable control gear by professional

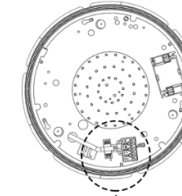
Step 1: Hold down the Bulkhead and rotate the Outer Ring anti-clockwise to remove it. Then remove the Diffuser.



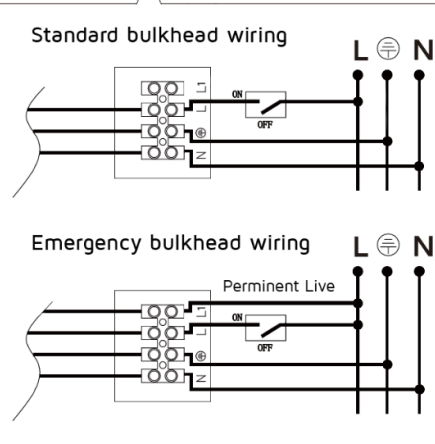
Step 2: Remove the Gear Tray from the housing by loosening the quick release screws. Drill out the screw holes in the housing and screw it into a solid surface using suitable wall plugs and screws.



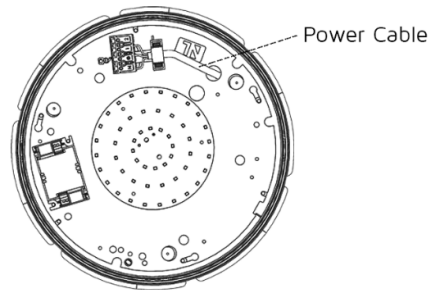
Step 3: Wire the Gear Tray as per the diagram below.



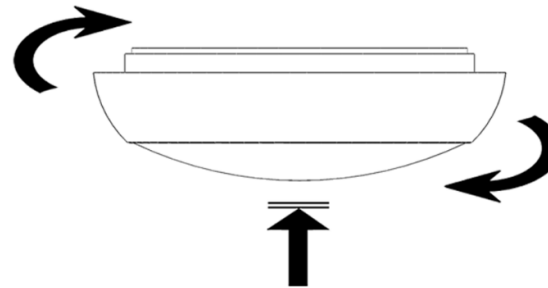
Note: A qualified electrician is required to carry out the electrical wiring. All wiring must be double insulated where there is possibility of coming in contact with live wires



Step 4: Re-insert the Gear Tray into the housing and secure the power cable.



Step 5: Replace the diffuser by aligning it with the Gear Tray housing and rotate it clockwise. Switch on the mains supply.



Important EM kit warranty information

The Emergency Lighting Kit has a 3 year warranty. To claim you must provide the product part number and date of manufacture, which can be found on the label attached to the luminaire housing along with the original purchase invoice.

Microwave Motion Sensor Configuration: These settings are only for the LED Gear Tray with Microwave Sensor option.



Please note: Dip switch in the 'Up' position is ON.

Detection Area				Full Brightness Hold Time			Daylight Sensor			10% Corridor Function Time		
ch1	ON	100%	ch3	ON	5S	ch5	ON	Disable	ch7	ON	Off/OS	
ch2	ON		ch4	ON		ch6	ON		ch8	ON		
ch1	-	75%	ch3	-	90S	ch5	-	50Lux	ch7	-	30S	
ch2	ON		ch4	ON		ch6	ON		ch8	ON		
ch1	ON	50%	ch3	ON	3min	ch5	ON	15Lux	ch7	ON	10min	
ch2	-		ch4	-		ch6	-		ch8	-		
ch1	-	25%	ch3	-	10min	ch5	-	5Lux	ch7	-	Always On/+∞	
ch2	-		ch4	-		ch6	-		ch8	-		

Default Set Up On Delivery

SELF TEST EMERGENCY INSPECTION GUIDE

About:

Initial Test

Connect LED load, emergency module, battery and LED driver, then connect mains supply, this emergency conversion module will automatically start to do an initial test. If the components are not functioning correctly, the LED indicator will flash RED. If everything is correct, then it will go into charge mode.

Functional Test

Functional tests are carried out for 10 seconds automatically every 30 calendar days.

Duration Test

Emergency conversion module will automatically make a full duration test every 180 calendar days to check capacity of battery.








Note

If the mains supply is off during the self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.

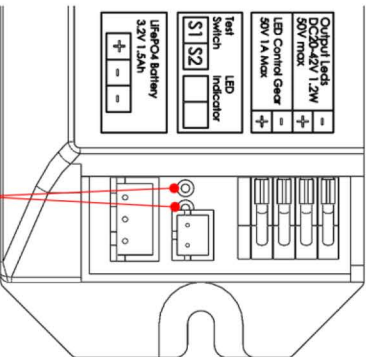
Timer reset functionality

The timer for function and duration test can be set to a particular time of the day by cycling the un-switched line supply 3 times within 1 minute.

LED STATUS INDICATOR

	Red	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery
	Red	Permanent red	Load failure	Open circuit / Short circuit / LED failure
	Green	Slow flashing green (1sec on, 1sec off)	Duration test underway	
	Green	Fast flashing green (0.1sec on, 0.1sec off)	Function test underway	
	Green	Permanent green	Fully Charged & Operational	
	Green	Slow flashing green (3sec on, 1sec off)	Charging mode	
	Green	LED indication	Status	Comment
	Colour	LED indication	Status	Comment

Reset instructions:



Reset points

If faulty status is triggered, the LED indicator will flash RED. To reset the emergency kit, touch the two reset points for 5-10seconds with a piece of wire, or a short-circuit needle.

