

# Testing Instructions

- Emergency light fittings must be inspected and tested regularly in accordance with local codes of practice. For safety reasons, tests should be carried out during daylight hours.
  - The minimum recommended test schedule is as follows:  
After installation, allow minimum 24 hours to ensure full battery charge. Then interrupt the supply and check after 3 hours that the fitting is still illuminated.
- Daily check that the charge indicator LED is working
  - Every month, interrupt mains for a short period and check that fitting lights
  - Six-monthly, check 1 hour duration
  - At the end of year 3 and subsequently every year, check 3 hour duration; batteries must be replaced when they can no longer support 3 hour duration.
  - Complete the record sheet on installation and retain in a maintenance file
  - Update the file with ongoing test records for inspection by a fire officer or other duly authorised person.

INSTALLER:		LOCATION:				INSTALLATION DATE:					
Month	Test	1st Year		2nd Year		3rd Year		4th Year		5th Year	
		signed	date	signed	date	signed	date	signed	date	signed	date
1	short										
2	short										
3	short										
4	short										
5	short										
6	short										
7	short										
8	short										
9	short										
10	short										
11	1hr							██	██	██	██
12	3hr	██	██	██	██	██	██				

## Cleaning

Before cleaning the fitting, disconnect the power cable and allow the fitting to cool down sufficiently. Clean with a dry or slightly moist, clean, lint-free cloth and a mild detergent if required. Do not use cleaners that contain abrasives or solvents.

## Maintenance

- Check power cable and housing of the fitting for damage before use. If the diffuser is damaged, unit must be replaced immediately.
- Clean any dirt from the housing or the diffuser immediately, it could potentially cause overheating.

## Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



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Please contact us if you any questions or queries regarding the product  
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## INSTALLATION & SAFETY INSTRUCTIONS



### **BHEM17-CCT**

#### **WALL & CEILING LED EMERGENCY LIGHT FITTING WITH CCT COLOUR TEMPERATURE SELECTOR**

**These instructions are for guidance only  
Read these instructions fully before using the fitting.  
Retain these instructions for future reference.**

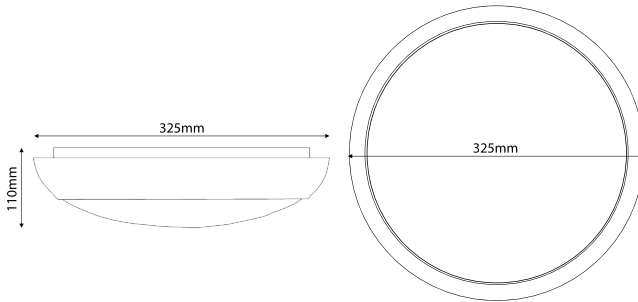
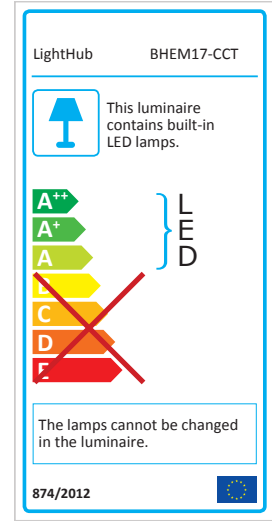
**LIGHT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN**

### **General safety instructions**

- Ensure mains power is disconnected & switched off when installing the fitting.
- Never look directly into the LED light source. The light emitted can contain the colour blue.
- To clean: Ensure that the fitting is disconnected from the mains and cannot be unintentionally reconnected.
- Place only upon level and stable surfaces.
- Do not use in areas in which there is a danger of explosion.
- Do not use near flammable materials.
- Do not place in water or other liquids.
- Never operate with wet hands.
- Never cover the equipment.
- Never operate when the casing is open, or when the wiring casing is missing or damaged, or when the protective screen is defective.
- Never spray this unit, and never attempt to clean it with a steam pressure cleaner as this can damage the insulation and seals.
- Never attempt to repair this unit yourself. Repairs should only be carried out by a qualified electrician.
- If the supply cable is damaged, stop using the unit immediately & consult a qualified electrician.
- If the diffuser is broken, stop using the unit immediately & consult a qualified electrician.



BHEM17-CCT			
	Warm White	Cool White	Daylight White
Wattage	17W		
Lumens	1452 lm	1655 lm	1506 lm
LED Colour Temp	3000k	4000k	6500k
LED Life	40,000 hrs		
LED Beam Angle	120°		
Colour Rendering	>80 Ra		
Dimmable	No		
Power Factor	>0.88		
Voltage	220-240V AC / 50Hz		
Earth Class	II		
IP Rating	IP65		
Dimensions	325mm diameter x 110mm depth		
Operating Temp	-20°C to +60°C		
Emergency Battery	>3 hours runtime on mains failure		
Warranty	Product - 3 years* / Battery - 2 years*		



## Recommendations

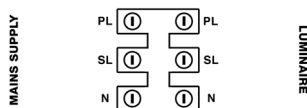
- Installation should be carried out in accordance with the latest IEE (BS7671) Regulations & the latest Buildings Regulations. Please consult a qualified electrician.
- Please ensure the mains supply is switched OFF before installing and working on this fitting.
- This unit is Class II rated and earth is not required.
- To maintain the IP rating of the unit, a suitable gland should be used for the cable entry and/or fire retardant silicon sealant should be used to effectively seal the hole.
- Not suitable for use with dimmers.
- The fitting is suitable for use in ambient temperatures of -20 to +60 degrees C. If the fitting is installed in locations where the temperature may vary beyond these temperatures or reach these limits for prolonged periods, the battery life may be shortened and should be tested more regularly.
- High voltage insulation test equipment must not be used on this fitting and may cause irreparable damage.
- It is recommended that 100mm of air space is left around the unit.
- This unit has no replaceable parts.

# Installation Instructions

1. Ensure the electrical supply is switched OFF before working on this fitting.
2. Remove the diffuser from the base by turning anti-clockwise and pulling away from the base.
3. Loosen but do not remove the gear tray retaining screws.
4. Adjust the position of the gear tray to align the hole in the keyhole slots with the retaining screws,
5. Select a suitable cable entry point provided or by drilling into the base.
6. Position and fix the base to suitable solid surface using the fixings provided.
7. Feed the supply cable into the luminaire through the cable entry hole, using the provided grommet to retain the IP rating of the fitting. If you have cut your own hole, a suitable grommet should be fitted and the hole should be sealed using fire retardant silicon sealant.
8. Strip the conductors & terminate them in the connector ensuring correct polarity is observed
9. Choose desired function:

**Non-Maintained Operation:** The fitting only illuminates in the event of a power failure. Supplied from a Permanent Live only. In the event of a power failure, the fitting fails over to the battery pack.

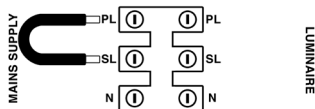
Permanent Live (PL) - Brown  
Neutral (N) - Blue



**Maintained Operation:** The fitting functions as a normal light and is switched or permanently on. To use as a normal switched light, connect a Permanent Live feed and the switch to Switched Live terminal. For an unswitched circuit, connect the Permanent Live and insert the supplied loop between Permanent & Switched Live. In the event of a power failure, the fitting fails over to the battery pack.

Permanent Live (PL) - Brown & Insert a Loop to  
Switched Live (SL)

Neutral (N) - Blue



10. Connect the 4 PIN connector from the battery to the battery charging unit.
11. Write the date of installation on the battery with a permanent marker.
12. Connect the green plugs from push fit connector to gear tray feed.
13. Refit the gear tray by aligning the holes in the keyhole slots with the retaining screws on the base. Adjust the gear tray so the retaining screws now are aligned with the slots of the keyhole slots. Retighten the retaining screws.
14. Adjust the colour setting required by adjusting the DIP switches as follows:

1	2	COLOUR
●	○	Warm White
○	●	Daylight
○	●	Cool White

15. Re-fit the diffuser by placing over the base and turning anti-clockwise until it locks into position.
16. Switch on the power supply and test for correct operation.



**WARNING:**

This luminaire MUST be disconnected before it is installed, subjected to any high voltage or subjected to insulation resistance testing. Otherwise irreparable damage may occur to the internal components.