

## INSTALLATION & SAFETY INSTRUCTIONS



**MODEL: DLEM2**

**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 diffuser is broken, stop using the unit immediately & consult a qualified electrician.

### Manufacturer

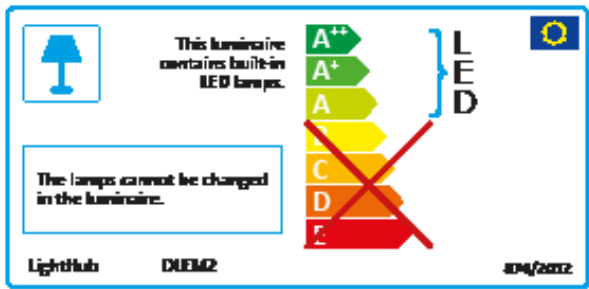
HUB UK Group Ltd  
Keepers  
West Park Road  
Newchapel  
Surrey  
RH7 6HT

**Email:** [help@lighthubdirect.com](mailto:help@lighthubdirect.com)  
**Tel:** +44 (0)330 133 1311

Please contact us if you any questions or queries regarding the product



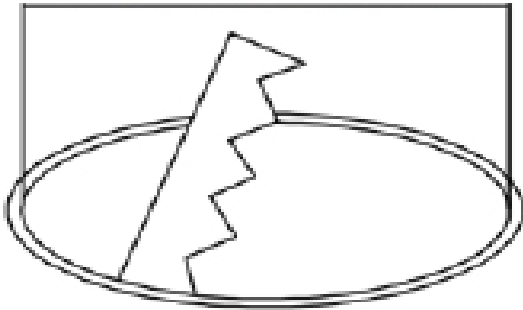
|                 | DLEM2            |
|-----------------|------------------|
| Wattage         | 2W               |
| Lumens          | 150 lm           |
| LED Life        | 25,000 hrs       |
| LED Colour Temp | 6500K            |
| Voltage         | 220V~240V        |
| Operating Temp  | -20° C to +50° C |
| CRI             | 80               |
| IP Rating       | IP20             |
| Dimmable        | No               |
| LED Beam Angle  | 120°             |
| Dia x Depth     | 60mm x 25.6mm    |
| Cut Out         | 42mm             |
| Guarantee       | 3 Years          |
| Class           | II               |



## Recommendations

- Installation should be carried out in accordance with the latest IEE (BS7671) Regulations & the latest Buildings Regulations. Please consult a qualified electrician.
- Guidance on the installation of Emergency lighting in the UK is available from the BSI, regulation: BS 5266-1:2016.
- Please ensure the mains supply is switched OFF before installing and working on this fitting.
- This unit is Class II rated and does not require an earth connection.
- Not suitable for use with dimmers.
- The fitting is suitable for use in ambient temperatures of -20 to +50 degrees C. If 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.
- This fitting is for use indoors only.
- The fitting should not be covered over with insulation once installed.
- High voltage insulation test equipment must not be used on this fitting and may cause irreparable damage.
- It is recommended that 60mm of air space is left around the unit.
- This unit has no replaceable parts.

## CUTOUT DIAMETER 42MM



# Installation Instructions

1. Ensure the electrical supply is switched OFF before working on this fitting.
2. Unscrew the right side cover of the enclosure to expose the battery connection.
3. Plug the 3 PIN connector from the battery to the 3 PIN inverter output connection.
4. Mark the commissioning date on the enclosure.
5. Replace the right side cover if the enclosure and close securely.
6. Cut a 42mm hole in the ceiling where the fitting is to be installed. Please note that the maximum recommended ceiling thickness is 20mm.
7. Drop the supply cables through the hole.
8. Unscrew the left side cover of the enclosure to expose the mains supply connection terminals.
9. Connect the mains supply cables to the L and N terminals, observing correct polarity.
10. Push the enclosure assembly up through the hole and rest above the ceiling away from the hole. The minimum recommended ceiling void height is 60mm.
11. Pull back the springs on the downlight so that they are facing upwards. Holding them in place, push the fitting into the hole and allow the spring to come down onto the top of the ceiling.
12. Test the circuit accordingly. Please ensure the fitting is disconnected when carrying out high voltage insulation resistance tests.
13. Switch on the power supply and check the green battery charging LED indicator is illuminated.
14. When first installed, allow for 24 hours minimum to obtain full battery charge.
15. After the charging period, disconnect the mains supply to ensure that the fitting illuminates in emergency mode for at least 3 hours.
16. Restore mains power.

## WARNING:

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

## 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.

# Testing Instructions

- Emergency light fittings must be inspected and tested regulay in accordance with local codes of practice. For safety reasons, tests should be carried out during daylight hours.
  - The minium 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.
1. Daily check that the charge indicator LED is working
  2. Every month, interrupt mains for a short period and check that fitting lights
  3. Six-monthly, check 1 hour duration
  4. 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.
  5. Complete the record sheet on installation and retain in a maintenance file
  6. Update the file with ongoing test records for inspection by a fire officer or other duly authorised person.

## INSTALLATION & MAINTENANCE RECORD

|            |           |                                  |
|------------|-----------|----------------------------------|
| INSTALLER: | LOCATION: | INSTALLATION TEST DURATION DATE: |
|            | TYPE:     |                                  |

| 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   | ██       | ██   | ██       | ██   | ██       | ██   |          |      |          |      |