

Installation & Operating Instructions for 'Phoenix' Range IP20 Non-Maintained Downlight - ELLEDDL1W

SAFETY

This unit should be installed by a competent person in accordance with the current IET Wiring Regulations. If in doubt consult a qualified electrician.

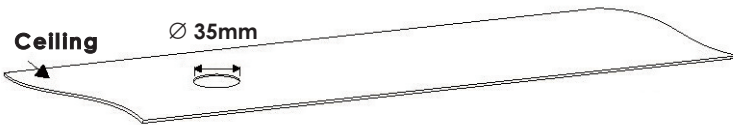
Switch off mains supply before installation, maintenance or replacing lamps.

Before installation or maintenance ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or circuit breaker turned off. It is recommended that a qualified electrician is consulted or used for the installation of this luminaire and installed to the current edition of the Building and Wiring Regulations.

Check that the total load on the circuit, including when this luminaire is fitted, does not exceed the rating of the circuit cable fuse or circuit breaker.

INSTALLATION INSTRUCTIONS

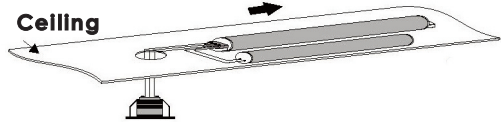
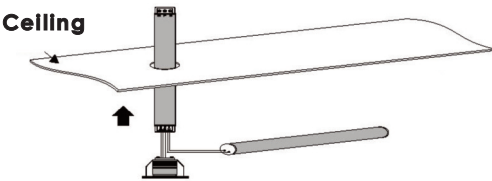
1. Cut a hole in the ceiling (Hole cut out 35mm) and ensure adequate minimum ceiling void without infringing on joists, water pipes or electrical cables.



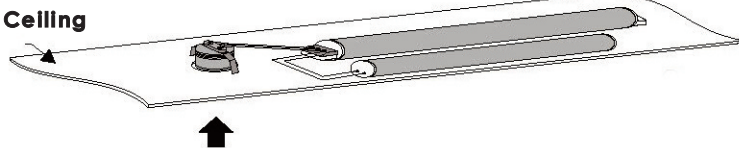
2. Remove all insulating materials well away from the light fitting and battery pack.
3. Remove the terminal block cover by prising upwards and connect the mains cable as follows ensuring if stranded cable is used all strands are inside the terminal and bare conductors are insulated.

PERMANENT LIVE	(L)
NEUTRAL	(N)
EARTH	(E)

4. Connect the lighting fitting to the control unit using the (small) plug & socket.
5. Connect the battery to the control unit using the (large) plug & socket provided.
6. Mark on the battery the current date.
7. Place the battery and control unit into the ceiling void.



8. Fix the light fitting into the ceiling using the pre-installed clips provided.



9. Do not fit the light fitting onto new or damp plaster, switch on the power supply and test for correct operation ensuring the integral green LED is lit showing that the batteries are charging.

Warning:

This product must be disconnected before the circuit it is installed on is subjected to any high voltage or insulation resistance testing, un-repairable damage will occur if this instruction is not followed.

Please note once unit is installed the battery should be kept charged, failure to do so will reduce the battery life.

When unit is commissioned the battery label should be dated with the commissioning date and record sheet completed for the first test. Failure to do this may invalidate the warranty.

ROUTINE INSPECTION & TEST PROCEDURE

All tests should be undertaken during daylight hours at times of minimum risk and be in accordance with the recommendations of BS 5266 Part 1.

DAILY - Check that the three green LED battery charging / lamp failure indicators are illuminated.

MONTHLY - In addition to the daily check, a functional test through simulation of mains supply failure should be carried out to confirm lamps are illuminated from the battery cell pack supply. This test need only be approximately 30 seconds. It should not exceed one quarter of the rated luminaire duration.

SIX - MONTHLY - In addition to the monthly test, the lamps should be illuminated from the battery cell pack supply for a continuous period of at least one hour.

THREE - YEARS - In addition to the monthly tests the lamps should be illuminated from the battery cell pack supply for the full rated duration of the luminaire. (180 minutes).

ANNUALLY THEREAFTER - As above, i.e, Check that the luminaire operates for the full rated duration (180 minutes).

At the end of each test period the mains supply should be restored and a check made to ensure that all three green LED battery charging/lamp failure indicators are illuminated.

EMERGENCY LUMINAIRE TEST RECORD SHEET

LUMINAIRE TYPE/REF: _____

DATE OF INSTALLATION: _____

LOCATION: _____

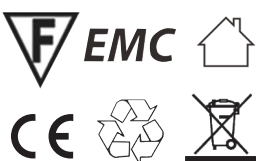
		1st Year		2nd Year		3rd Year		4th Year		5th Year	
Month	Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1	Functional										
2	Functional										
3	Functional										
4	Functional										
5	Functional										
6	Functional										
7	Functional										
8	Functional										
9	Functional										
10	Functional										
11	Functional										
12	Three Hour										
	Functional										

TECHNICAL INFORMATION

Power Rating:	230V/240V AC - 50Hz
Colour Temp:	6500K
Power Consumption:	1.4W Non-Maintained
Lamp Type:	LED Non-replaceable
Lumen Output:	111 lm (Emergency Mode)
Battery Life at 20°C:	> 4 years
Class Type:	1
Operating Temp Range:	0°C - 40°C
Emergency Light Response Time (S):	1 second
Battery Type:	Ni-Cd 3.6V / 1500mAh
Battery Operating Temp Range:	-10°C - 40°C
Charge Time:	24 hours
Product Weight:	321g
Hole Cut Out:	35mm
Conforms To:	BS EN60598-2-22 / BS EN60598-1

GUARANTEE
 Your GreenBrook IP20 1W Downlight is guaranteed for 3 years from the date of purchase.
 This is in addition to your statutory rights.

PLEASE KEEP THESE INSTRUCTIONS SAFE FOR FUTURE REFERENCE



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