


EDL2M

Circular Flush 3 Hour Maintained LED Emergency Fitting

Please read these instructions before installing and retain for the user/maintenance engineer for future reference.

IMPORTANT NOTE:

The luminaire must be installed by a skilled electrician and to the most current electrical wiring and building regulations

This product **MUST** be earthed  and **NOT** be subject to an electrical insulation test (500/1000v) which will not be covered by the warranty

This luminaire is NOT suitable to be used with dimmer switches

This product should not be modified in any way, if modified this will invalidate any warranties and Firesafe will not be liable for any damages caused

The person carrying out the installation is to check and verify that the total load on the circuit, including the rating of the cable, fuse and/or circuit breaker is not exceeded.

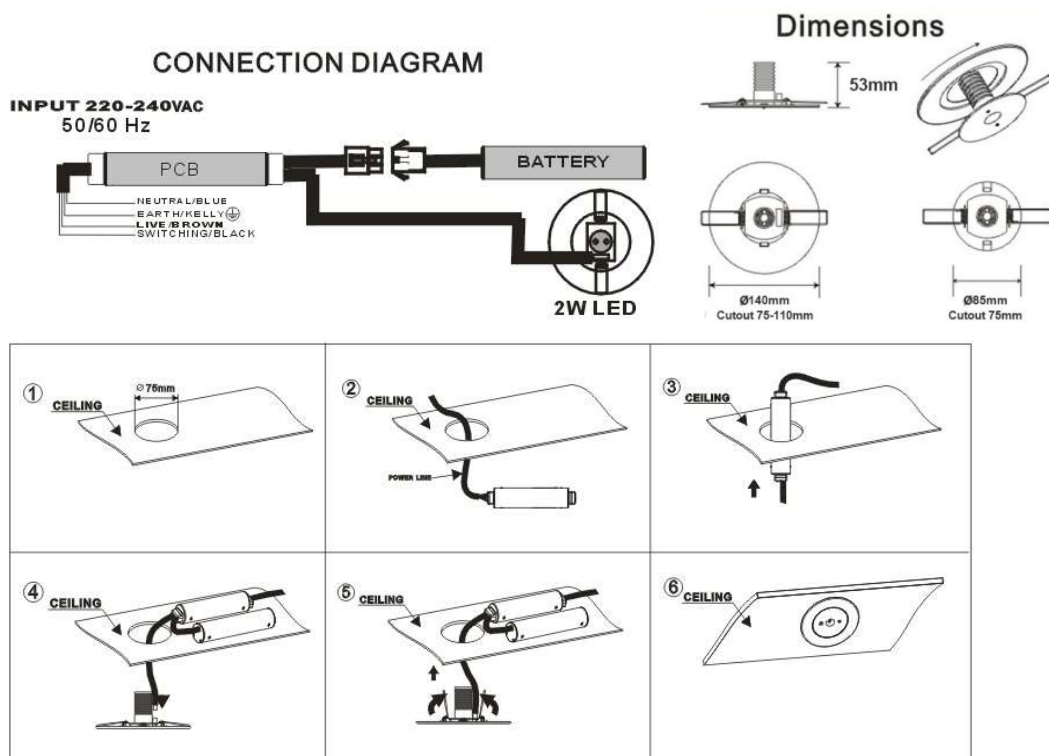
It is the responsibility of the installer to consider any fire risks and breach in any fire protection barriers or partitions, and take the appropriate precautions

The luminaire is suitable for internal use only

Emergency lighting should be installed and maintained in accordance with BS5266 and BS EN50172.

INSTALLATION

1. The fitting requires a permanent 230v AC supply to the live (Brown), Earth (yellow/Green) and neutral (Blue) wires of the cable in a suitable connection box. This wiring would be as per non-maintained mode to charge the batteries.
2. For the maintained circuits for continuous illumination of the light this can be achieved by connecting the Live (Brown) and Switch Live (Ls Black) together or connect a live to the switch live (black) through a remote switch
3. Ensure the mains supply is switched off
4. Ensure there is at least 100mm of free space around the luminaire and no insulation is placed on top of the luminaire or its associated parts.
5. Check for buried cables before drilling fixing holes
6. Connect the supply cables to the appropriate wires of the unit and ensure an appropriate connection box will be required
7. Connect battery
8. Refit the LED plate ensuring the plate is correctly located and the screws fully tightened
9. Switch the mains supply on and check the charging/mains LED is illuminated
10. Allow 24 hour to charge the batteries and record the installation date in the log book
11. After a 24 hour charge period test the luminaire for a full 3 hour duration and record the date of the commissioning on the battery pack and log book
12. Subsequent testing should be carried out in accordance with the British/European standards and recorded in the log book



Maintenance

Repairs should only be carried out by suitably qualified person.

Regular cleaning of luminaires should be carried out at regular intervals not only to ensure good optical performance but also ensure that dirt does not accumulate to such an extent as to impair the electrical or thermal safety of the fitting, this should be done with a soft damp cloth, do not use any chemicals or abrasives.

Servicing should only be carried out after the fitting has been made electrically safe and the batteries disconnected.

Light Source Maintenance: the light source of this luminaire is not replaceable; in case the light source need to be replaced (e.g. at the end of its life), the whole luminaire shall be replaced.

At the end of this products life, this product must not be disposed of in landfill, local guidance should be sought for disposal.

Monitoring

The green LED indicator lamp will be on continuously. It will go out if A.C. supply or charger fails

NON-MAINTAINED

Permanent mains supply (L, N, E) Lamp off and battery on automatic charge (LED 'on') Permanent supply removed lamp on (powered by battery pack) charge LED off.

MAINTAINED

Permanent mains supply (L, N, E), lamp normally on automatic charge (LED 'on') (powered by mains supply), when the supply to Ls is switched on. Permanent supply removed lamp on (powered by battery pack) charge LED off.

TESTING Ensure the luminaires are tested in accordance with 5266-8 / BS EN 50172

Daily: Ensure the green charge LED is illuminated on each luminaire

Monthly: Simulate a mains power supply failure, for a period of time sufficient to ensure that each lamp is illuminated and then recorded in the log book

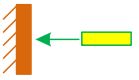



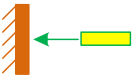

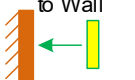

Annually: Similar test to a monthly but the full emergency duration of the luminaire should be tested.

Defects: Any defects should be noted and recorded in the log book and actioned by a competent person as soon as possible

INSTALLATION / TEST RECORDS		Location:						Part No:			
		Installed By						Date:			
		Comissioned By:						Date:			
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH 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	Short										
12	Full Duraition										

Technical Specification:

Voltage:	230 V~ 50Hz
Lamp:	2W LED
Wattage:	2W
Colour Temp:	6000K
Lumen Output Mains:	190lm
Lumen Output Battery:	180lm
Class:	1
Battery:	3.6V 3Ah NiCad
Emergency Duration:	3 Hour
Recharge Time:	24hours
Temp Range:	0°c - 40°c
Dimensions:	PCB housing: ϕ 41x234mm, Battery housing: ϕ 41x200mm LED tray: ϕ 140x53mm or ϕ 85x53mm
Cut Out Diameter:	ϕ 75-110mm or ϕ 75mm
IP:	IP20

Height								
	1 Lux (Escape Routes)				0.5 Lux (Open Areas)			
2.0m	3.26	7.57	3.23	7.81	3.26	4.19	3.23	4.24
2.5m	3.47	8.66	3.44	8.79	3.64	4.91	3.61	5.01
3.0m	3.58	9.24	3.61	9.37	3.78	5.60	3.81	5.64
3.5m	3.75	9.64	3.69	9.77	3.97	6.09	3.91	6.12
4.0m	3.86	9.97	3.80	10.06	4.09	6.43	4.02	6.46
5.0m	3.57	10.40	3.63	10.45	4.19	6.95	4.26	6.98
6.0m	2.80	10.81	2.83	10.85	4.37	7.95	4.41	8.12
7.0m	1.78	10.22	1.94	10.36	3.90	12.81	4.22	12.68

Warranty:

This product is covered by an extended warranty for 2 years from date of purchase.

Batteries are regarded as a consumable item, and as such, are not covered by the Extended Warranty periods and are only covered by a 1 year warranty.

The extended warranty is available following installation in the UK or Ireland by a competent person in accordance with the current building and IEE wiring regulations.

For full terms and conditions in regards to our extended warranty please refer to the website.

Due to our policy of continuous improvement we reserve the right to change specification without prior notice. Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by Firesafe for any misinterpretation of these instructions.

LIGHTSAFE

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