

## EDL1P

### Circular Flush 3 Hour Non Maintained LED Emergency Fitting

Please read these instructions before installation 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.

The luminaire should not be modified, if modified this will invalidate any warranties and Firesafe will not be liable for any damages caused.

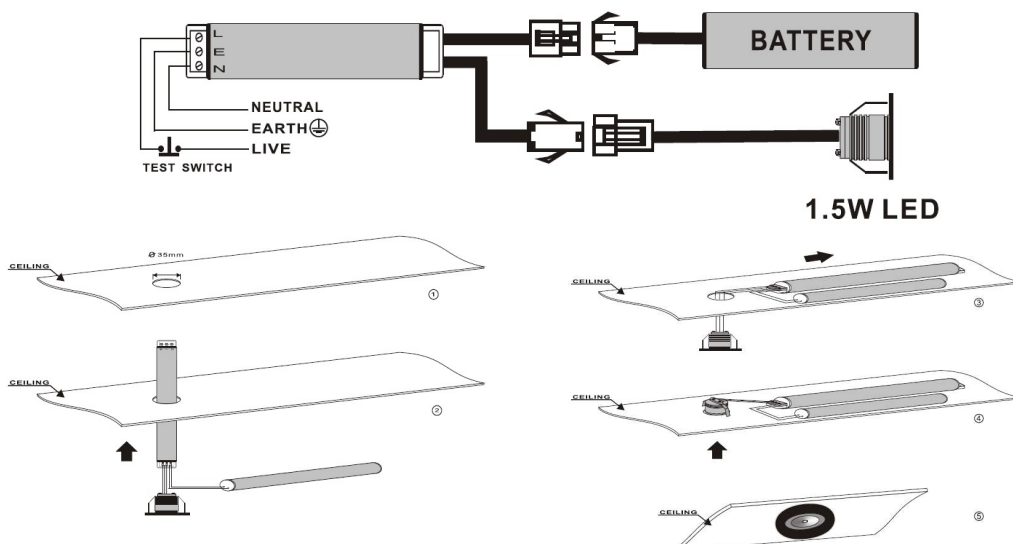
The person carrying out the installation is to check and verify that the total load on the circuit, including the rating of the cable, fuse and/or circuit breaker is not exceeded.

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.

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

#### INSTALLATION

1. The fitting is supplied with two different colour front bezels, to change the LED lamp bezel this can be unscrewed from the LED lamp unit.
2. Ensure the AC mains supply is isolated.
3. Ensure the correct size hole is made in the ceiling.
4. A permanent 230v AC supply is required to the live (L), Earth and neutral (N) terminals to the driver pack.
5. Connect the supply cables to the appropriate terminals and ensure no loose strands, also ensure the cable clamp on the driver adequately secures and clamps the cable used.
6. 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.
7. Plug the battery and LED lamp lead to the driver pack ensuring no cables are trapped.
8. Restore the mains supply, the green charge LED should be illuminated.
9. Allow 24 hours to charge the batteries and record the installation date in the log book.
10. 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.
11. 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 luminaire 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 battery 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

## 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:      |      |             |      |
|                             |               | Commissioned By: |      |             |      | Date:      |      |             |      |
| MONTH                       | TEST          | FIRST YEAR       |      | SECOND YEAR |      | THIRD YEAR |      | FOURTH YEAR |      |
|                             |               | Signed           | Date | Signed      | Date | Signed     | Date | Signed      | Date |
| Installation                | Full Duration |                  |      |             |      |            |      |             |      |
| 1                           | Short         |                  |      |             |      |            |      |             |      |
| 2                           | Short         |                  |      |             |      |            |      |             |      |
| 3                           | Short         |                  |      |             |      |            |      |             |      |
| 4                           | Short         |                  |      |             |      |            |      |             |      |
| 5                           | Short         |                  |      |             |      |            |      |             |      |
| 6                           | Short         |                  |      |             |      |            |      |             |      |
| 7                           | Short         |                  |      |             |      |            |      |             |      |
| 8                           | Short         |                  |      |             |      |            |      |             |      |
| 9                           | Short         |                  |      |             |      |            |      |             |      |
| 10                          | Short         |                  |      |             |      |            |      |             |      |
| 11                          | Short         |                  |      |             |      |            |      |             |      |
| 12                          | Full Duration |                  |      |             |      |            |      |             |      |

**Technical Specification:**

Voltage: 230v AC 50Hz  
 Wattage: 1.5W  
 Lumen Output: 117lm  
 Battery: 3.6V 2Ah NiCad  
 Recharge Time: 24 hours  
 Cut Out Diameter:  $\phi$ 35mm  
 Dimensions: PCB housing: $\phi$ 31x230mm  
 Battery housing: $\phi$ 31x149mm  
 LED tray: $\phi$ 45x33mm

Lamp: 1.5W LED  
 Colour Temp: 6500K  
 Class: 1  
 Emergency Duration: 3 Hours  
 Temp Range: 0°C - 40°C  
 Weight: 342g  
 IP: IP20

| PHOTOMETRIC SPACING TABLE |                       |                |                    |                          |                      |                |                    |                          |
|---------------------------|-----------------------|----------------|--------------------|--------------------------|----------------------|----------------|--------------------|--------------------------|
| 1 Lux (Escape Routes)     |                       |                |                    |                          | 0.5 Lux (Open Areas) |                |                    |                          |
| Height                    | Axial to Wall         | Axial to Axial | Transverse to Wall | Transverse to Transverse | Axial to Wall        | Axial to Axial | Transverse to Wall | Transverse to Transverse |
|                           | 1 Lux (Escape Routes) |                |                    |                          | 0.5 Lux (Open Areas) |                |                    |                          |
| 2.0m                      | 3.1                   | 7.6            | 3.1                | 7.6                      | 3.1                  | 6.7            | 3.1                | 6.8                      |
| 2.5m                      | 3.3                   | 8.3            | 3.3                | 8.3                      | 3.4                  | 8.0            | 3.4                | 8.1                      |
| 3.0m                      | 3.4                   | 8.9            | 3.4                | 8.9                      | 3.6                  | 9.0            | 3.6                | 9.1                      |
| 3.5m                      | 3.5                   | 9.4            | 3.5                | 9.4                      | 3.8                  | 9.6            | 3.8                | 9.7                      |
| 4.0m                      | 3.5                   | 9.7            | 3.5                | 9.7                      | 3.9                  | 10.3           | 3.9                | 10.4                     |
| 5.0m                      | 3.2                   | 10.0           | 3.2                | 10.0                     | 4.0                  | 11.4           | 4.0                | 11.5                     |
| 6.0m                      | 2.7                   | 9.8            | 2.7                | 9.8                      | 4.0                  | 12.1           | 4.0                | 12.2                     |
| 7.0m                      | 1.5                   | 9.3            | 1.5                | 9.3                      | 3.8                  | 12.7           | 3.8                | 12.8                     |

**Warranty:**

This product is covered by an extended warranty for 3 years from date of purchase. 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.

**Environment:**

Please do not dispose the packaging as unsorted waste, use the recycling facilities provided by your local authorities. When the luminaire comes to the end of its life or you choose to update or upgrade by replacing it, then do not dispose with your normal household waste. Please recycle where facilities exist. When you need to dispose of this fitting, check with your retailer or local authority for suitable options. New regulations will encourage the recycling of Waste from Electrical and Electronic equipment (European WEEE Directive 2012/19/EU).

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**

Distributed by: FIRESAFE  
 10 Sandersons Way,  
 Blackpool, FY4 4NB  
 Email: [sales@firesafe.co.uk](mailto:sales@firesafe.co.uk)  
 Web: [www.firesafe.co.uk](http://www.firesafe.co.uk)

