EDL1PT

Circular Flush 3 Hour Non Maintained LED Emergency Fitting c/w Automatic Self-Test Function

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

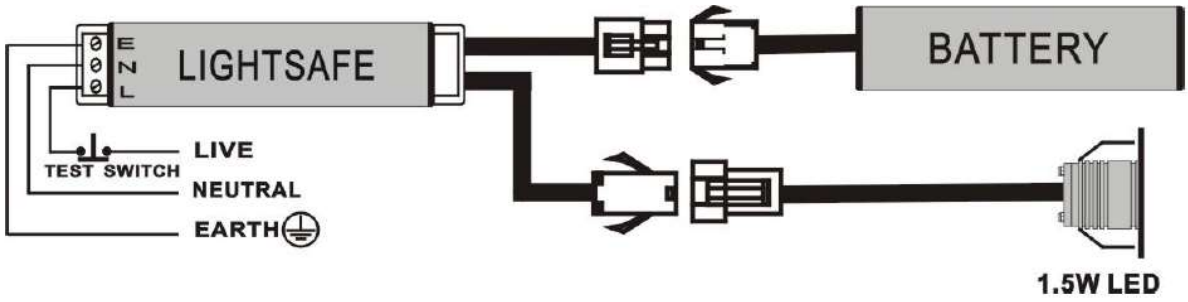
The person carrying out the installation is to check and verify that the total load on the circuit, including the rating of the cable, fuse and/or circuit breaker is not exceeded

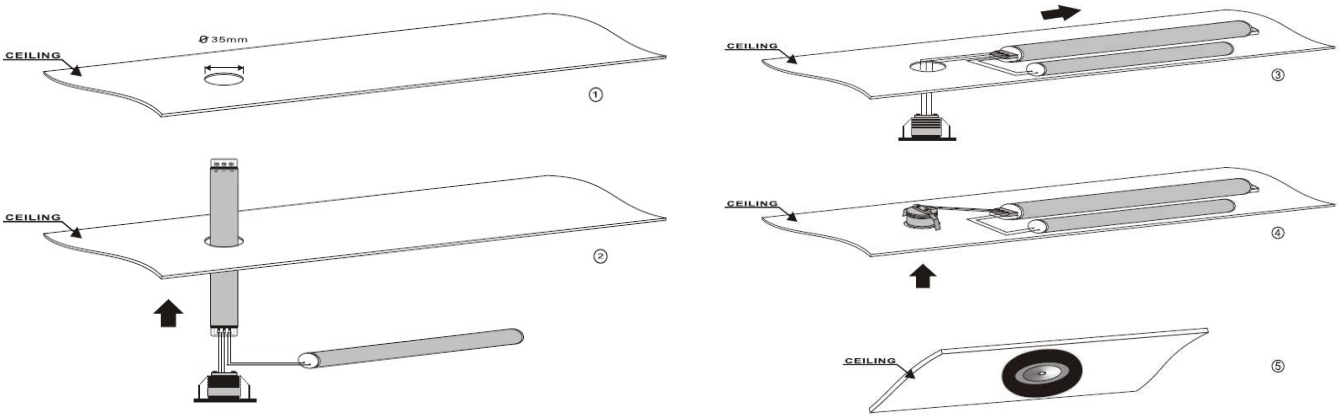
It is the responsibility of the installer to consider any fire risks and breach in any fire protection barriers or partitions, and take the appropriate precautions

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 hour 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





Automatic Self-Test Function

The luminaire has an integral automatic self-test function.

When the luminaire is connected to a 230v AC supply the luminaire will perform an automatic test, monthly and annually. The first monthly test will be performed approximately between 16th to 30th day and the annual test will be between 200th to 360th day from initial power on.

After the first annual test, the test routine will then be scheduled for every 30 days and every 360 day for the monthly and annual tests. The luminaire will retain the testing schedule for approximately 7 days without a 230v AC supply (the internal battery still has to be connected).

Please note there is no manual test button on this unit.

Automatic Daily Test

The luminaire checks daily if the battery is connected and that AC mains supply is present, if both are present then the LED will be illuminated Green. If the battery is not connected or there is an issue with the battery then the LED will change from Green to flash Red once every three seconds. If there is no 230v AC supply present the LED will be lit at full brightness in emergency mode.

Monthly /Annual Test

The luminaire performs an automatic 10 minutes duration self-test every month and an annual test for the full 3 hours duration. During the test the LED will be lit at full brightness (similar to emergency mode), if the test is satisfactorily then the LED will return to a constant Green state.

If the fitting does not complete the required emergency duration then the LED will flash Red three times every three seconds.

LED Indicator Status

Green LED On:	AC mains supply and battery connected
LED On (full brightness):	No AC supply present, or in monthly or annual test mode
Red Flash **Once** every 3 seconds:	Issue with the battery during the daily test
Red Flash **Twice** every 3 seconds:	Fitting failed test - Issue with the light output during auto-test
Red Flash **Three** every 3 seconds:	Fitting failed test – the battery duration was not achieved during auto-test
Failed Test / Reset:	After a failed test and the fault has been rectified, the 230v AC supply to reset the fault and LED indicator status back to green.

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

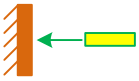
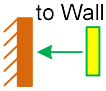
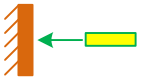
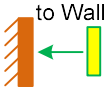
Annually: Similar test to a monthly but the full emergency duration of the luminaire should be tested.

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	Cut Out Diameter:	ϕ35mm
Lamp:	1.5W LED	Temp Range:	0°C - 40°C
Wattage:	1.5W	Weight:	342g
Colour Temp:	6500K	IP:	IP20
Lumen Output:	117lm		
Class:	1		
Battery:	3.6V 2Ah NiCad		
Emergency Duration:	3 Hours		
Recharge Time:	24 hours		
Dimensions:	PCB housing:ϕ31x230mm, Battery housing:ϕ31x149mm, LED tray:ϕ45x33mm		

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

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