

INSTALLATION INSTRUCTIONS

Emergency Testing Sheet

Testing (Emergency Versions)

The emergency light must be tested and inspected regularly in accordance with local codes of practice.

NOTE: For safety reasons tests should be carried out preceeding time of low risk, to allow for battery recharge.

The minimum recommended test schedule is as follows:

Commissioning - After installation, allow 36 hours to ensure full battery charge, and then interrupt the supply; check after 3 hours that the lamp is still illuminated.

1. Daily - Check that the charge indicator LED is working.

2. Monthly - Interrupt the power supply for a period sufficient to ensure each lamp is illuminated. At the end of the test, restore the supply and check the indicator is illuminated.

3. Annually - Interrupt the supply as in 2, but for the full rated duration. Ensure the lamp is illuminated at the end of the rated duration. Restore the supply and check the indicator is illuminated.

4. Record the date and result of each test, attending to any maintenance required in the event of a test failure.

Luminaire Location

Date Installed

Date Commisioned

Month	Test	Year 1			Year 2			Year 3		
		Signed	Result / Action	Date	Signed	Result / Action	Date	Signed	Result / Action	Date
1	Functional									
2	Functional									
3	Functional									
4	Functional									
5	Functional									
6	Functional									
7	Functional									
8	Functional									
9	Functional									
10	Functional									
11	Functional									
12	Full Duration									

INS/EMERGENCY_TESTING_SHEET/V1

INSTALLATION INSTRUCTIONS

502F Recessed Emergency

Product Codes: **LFACLED502F**

Safety Warning



- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.

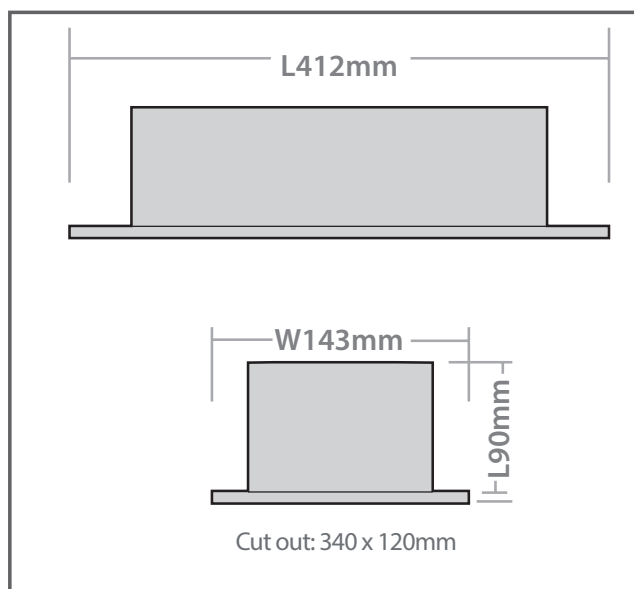


Specification





Box Contents -



1 x LED Maintained Emergency Recessed Fitting

Dimensions:	L: 412 W: 143 x D: 90mm
Material:	Body: Steel Diffuser: Polycarbonate
Colour Temperature:	6000K
CRI:	Ra>70
LED Lifetime:	L70B50 30,000 Hrs
IP Rating:	IP20
IK Rating:	IK10
Working Temperature:	0°C to 40°C
Guarantee:	1 Year



Recommended Spacing

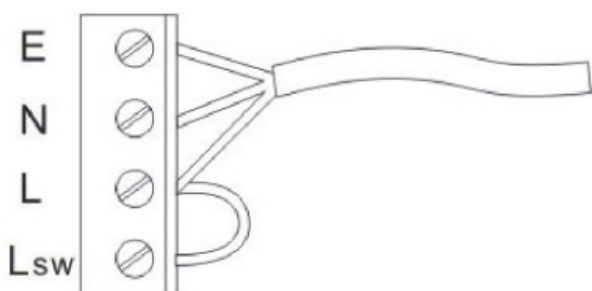
LFACLED502F Open Area				
Mount Height (m)	Open Area 0.5 Lux min (m)			
Self Contained				
2.5	3.6	8.8	3.5	8.3
2.8	3.8	9.2	3.6	8.7
3.0	3.9	9.5	3.7	9.0
4.0	4.3	10.8	4.2	10.2
5.0	4.6	11.7	4.5	11.2

LFACLED502F Escape Route		
Mount Height (m)	Escape Route 1 Lux min (m)	
Self Contained		
2.5	2.9	7.2
2.8	3.0	7.5
3.0	3.1	7.8
4.0	3.3	8.6

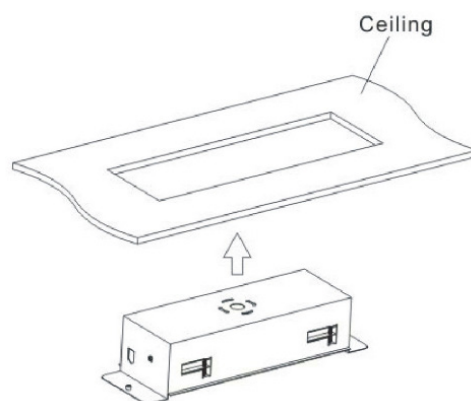
Installation Instructions

1. Remove the diffuser and bezel from the body by removing the two screws.
2. Release the gear tray by removing the two retaining screws.
3. Cut out a hole for fitting, 120x 340mm, in the ceiling.
4. Isolate the A.C. Supply and connect the unit. An unswitched 240v A.C. Supply must be connected to the live (l). Earth and neutral (n) terminals on the PCB block. On maintained circuits continuous illumination can be achieved by connecting a link between l and LSW either locally or through a remote switch.
5. Place the fitting into the hole and screw the arm screws so that the arms are fully down, supporting the fitting.
6. Plug the battery lead into the connector on the PCB.
7. Re-secure the gear tray into the base of the unit making sure that the mains cable is not trapped by the PCB etc.
8. Re-locate the bezel to the fitting and secure using the 2 long screws supplied.
9. Operational check - restore the A.C. Supply for 30 minutes and then remove. The LEDs should illuminate for at least 10 seconds.
10. Restore the A.C. Supply and check that the indicator led is 'on'.

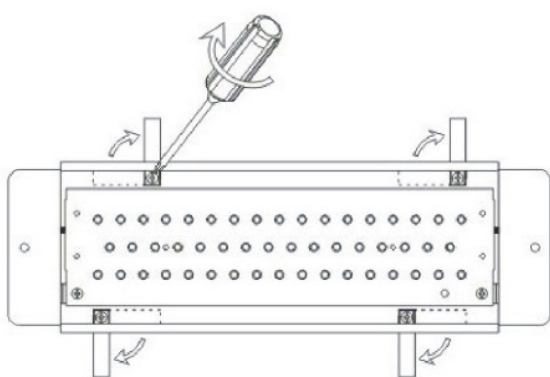
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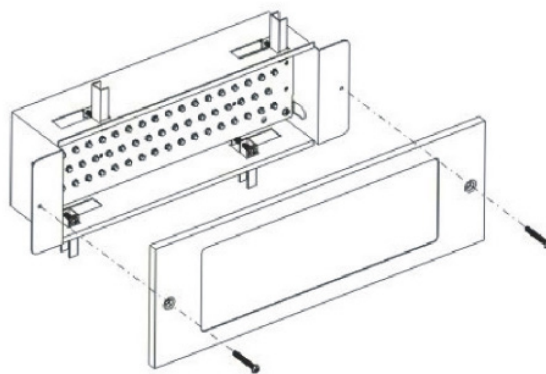
5A



5B



8



Fault Finding

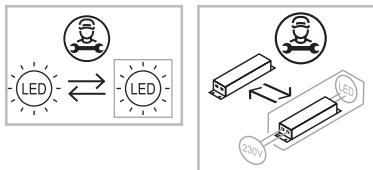
- **Fault** - Monitoring led not illuminated - A.C. supply not healthy, the battery is not connected, or the charger has failed.
- **Fault** - Unit not meeting required emergency period - may need cycling, discharge then recharge for 24 hours. Re-test, the battery pack may need replacing if emergency duration is still not met.
- **Fault** - LEDs not fully illuminated - check connections and if correct either the battery pack or (less likely) the printed circuit board needs replacing.

Guarantee

This product is guaranteed for a period of 1 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

Maintenance

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- The light source & driver in this luminaire can be quickly and easily replaced at end of life. This should be carried out by a competent person. Contact Red Arrow for details of replacements.



- When this fitting comes to the end of it's life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

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