

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 Commissioned

| 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 | | | | | | | | | |

INSTALLATION INSTRUCTIONS

Twin Spot Emergency Projector Product Codes: LF292E

Safety Warning



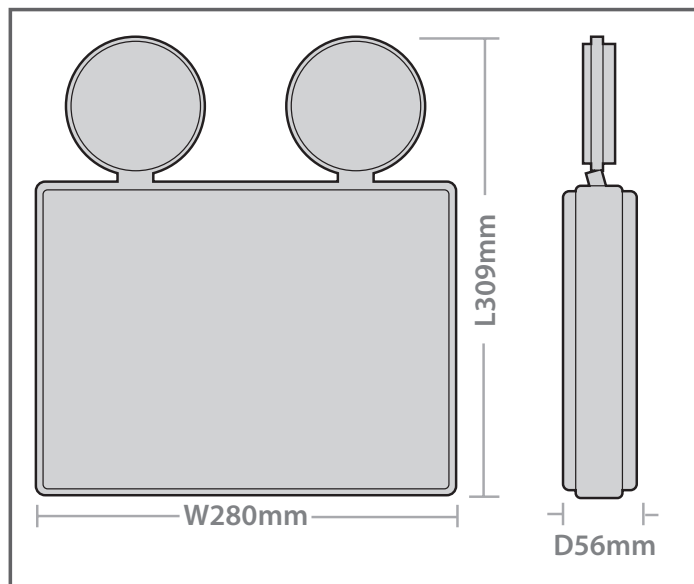
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control 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 Twin Spot

| | |
|-----------------------------|---------------------------|
| Dimensions: | L: 309 x W: 280 x D: 56mm |
| Material: | Polycarbonate |
| Colour Temperature: | 6000K |
| CRI: | Ra>70 |
| LED Lifetime: | L70B50 40,000Hrs |
| IP Rating: | IP20 |
| IK Rating: | IK08 |
| Working Temperature: | 0°C to 40°C |
| Power Factor: | 0.91 |
| Guarantee: | 1 Year |



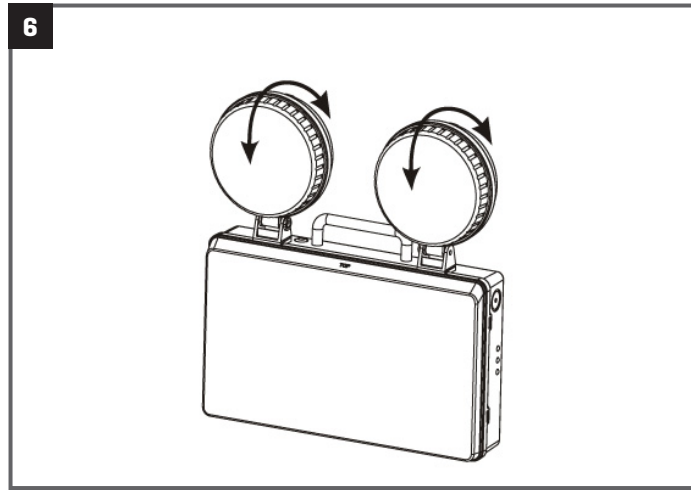
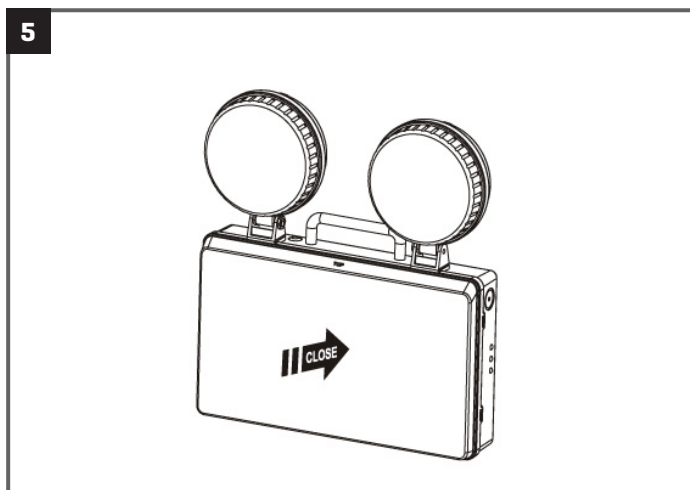
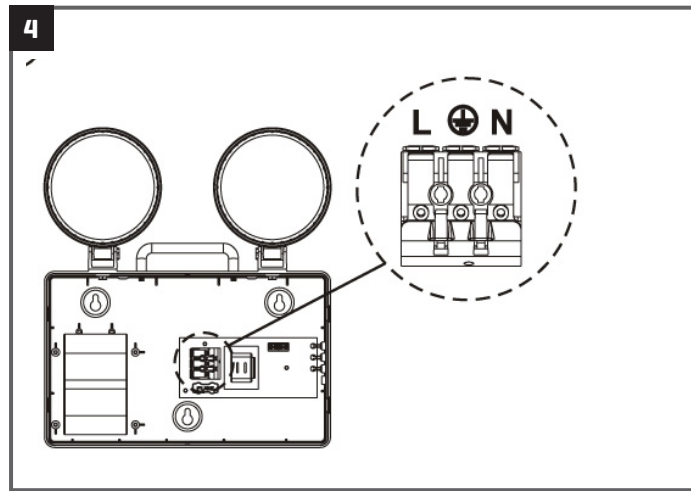
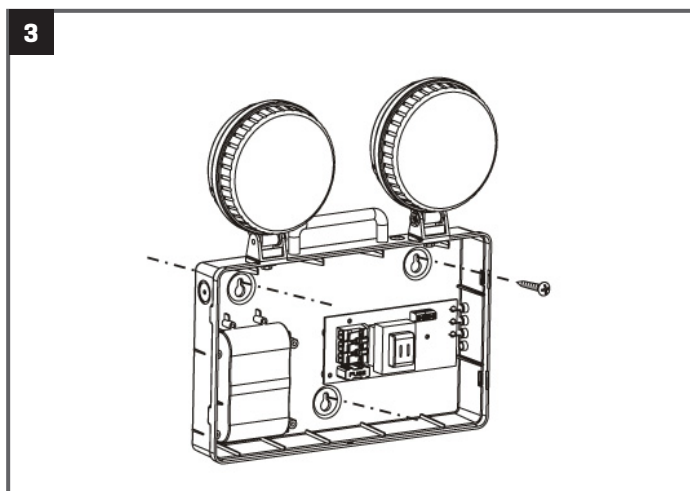
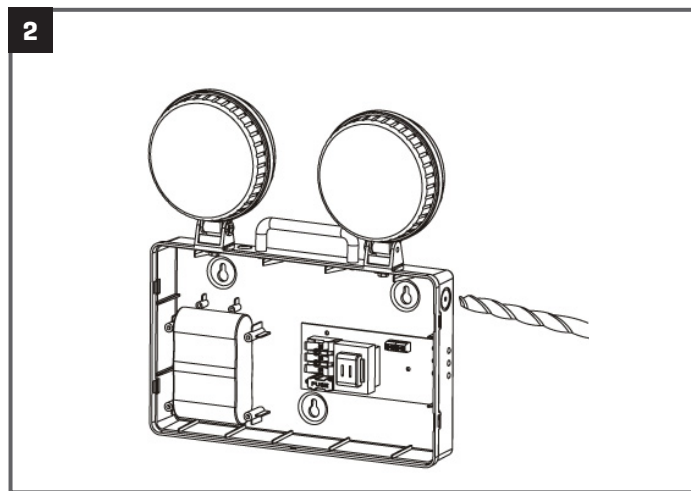
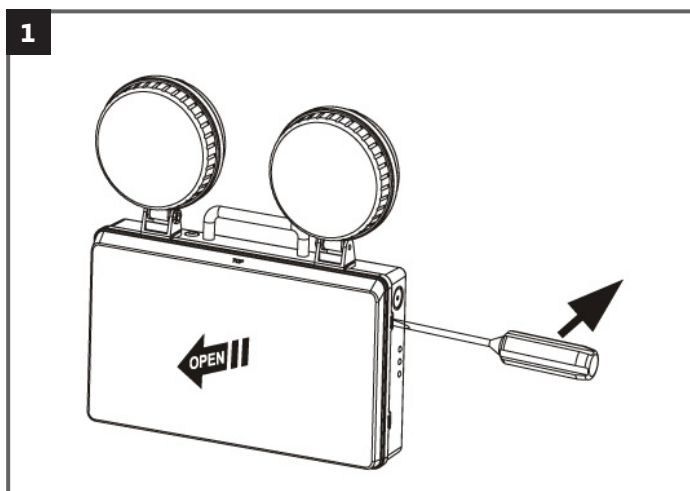
Recommended Spacing

| Open Area | | | | |
|------------------|---------------------------|------|-----|------|
| Mount Height (m) | Open Area 0.5 Lux min (m) | | | |
| Self Contained | | | | |
| 2.5 | 4.2 | 10.4 | 4.2 | 10.1 |
| 2.8 | 4.4 | 10.9 | 4.4 | 10.7 |
| 3.0 | 4.5 | 11.3 | 4.6 | 11.0 |
| 4.0 | 5.1 | 12.9 | 5.2 | 12.6 |
| 5.0 | 5.6 | 14.3 | 5.8 | 14.0 |

| Escape Route | | |
|------------------|----------------------------|------|
| Mount Height (m) | Escape Route 1 Lux min (m) | |
| Self Contained | | |
| 2.5 | 3.4 | 8.6 |
| 2.8 | 3.6 | 9.1 |
| 3.0 | 3.7 | 9.39 |
| 4.0 | 4.1 | 10.7 |

Installation Instructions

1. Using a screwdriver, remove the cover from the front of the fitting.
2. Using a suitable drill size, drill out the cable entry point.
3. Adding screws to the fixing holes, fix the twin spot to your desired location.
4. The unit must be wired as per the wiring diagram in the drawing, passing the supply cable through the entry point in step 2.
5. Once the fitting has been mounted and wired the cover must be replaced and secured to ensure the ip20 integrity.
6. Tilt the heads so the light is angled in the direction you require.
7. Once power has been applied check to make sure the charge led, lamp one and lamp two led are illuminated.
8. Allow the unit to charge for at least 10 minutes and remove the mains supply to check that both led lamps are illuminated.
9. The unit must then be charged for at least 24 hours to ensure the unit meets its designed emergency duration.

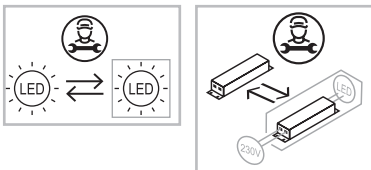


Guarantee

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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