

Installation Instruction Sheet

for Integral Twin Spot Emergency Floodlight
3 Year Warranty



Model	Description	Lumens	Dimensions	Weight
ILEMST035	5W IP65 Twin Spot Emergency Floodlight with Self-Test	380	295mm x 52mm x 318mm	1.35Kg (Gross)

Thank you for purchasing and Integral Led product. When installed correctly this unit will provide years of service with no lamp changes required. For support or warranty information please visit www.integral-led.com/warranty. Always turn off power at the distribution unit before any maintenance or installation. Please ensure the power cannot be re-connected inadvertently.

General Safety Instructions

1. Always use an approved electrician to install electrical products. Installation should be carried out in accordance with the current edition of the National Wiring Regulations. If in doubt, consult a qualified electrician.
2. Provide an uninterrupted mains power supply (Permanent Live) for 24 hours to fully charge the unit's batteries.
3. Ensure that ALL electrical connections are tight with no loose strands.
4. Never look directly into the LED light source.
5. To clean the product ensure that the floodlight is disconnected from the mains and cannot be unintentionally reconnected.
6. Place only upon level and stable surfaces.
7. Do not use in rooms in which there is a danger of explosion.
8. Do not place in water or other liquids.
9. Never attempt to repair this unit yourself. Repairs should only be carried out by the manufacturer or their authorised service personnel.

Installation Instructions

1. Isolate the mains supply prior to wiring. To open the twin spot unscrew the front cover.
2. Feed the Permanent Live cable through the appropriate knock out and mark the screw positions on the wall.
3. Fix the back plate to the wall.
4. Connect the mains supply to the screw terminal block on the back plate. L = Live, N = Neutral.
5. Connect the battery to the PCB and write installation date on the battery.
6. Locate the front cover and secure it with the clips provided.










7. Turn on mains power. The green LED indicator should be lit indicating that the unit is connected correctly and the battery is charging.

Emergency pack commissioning

1. Check that the GREEN indicator LED light is lit. This confirms that the batteries are charging.
2. To test remove the mains supply - the unit will operate under battery power for 3 hours minimum. The indicator LED on the front panel will now show RED, the luminaire is now in Emergency Mode for operation.
3. Restore mains power to the unit, check the LED indicator shows green again and begins re-charging.
4. Test the batteries every month and fully discharge them every 6 months and record the date and duration and competent person who completed the test for the Fire Safety Regulations.
5. Ensure the installation is fully compliant with BS-5622-1 and the latest wiring regulations.

Self-Test Function

1. All full duration tests should be where possible be undertaken at times of low risk adjacent emergency luminaires.
2. We recommend that you reset the inbuilt timer or run a manual 30 day test to stagger testing times.
3. Once commissioned fill in the date of the first test/install date this will allow the end user to monitor and record subsequent test information on the supplied report.
4. All tests with the exception of the visual inspection will be completed automatically including battery charge condition and lamp status.

SELF TEST METHOD - ILEMTS035 Twin Spot Integral LED					
1. Start charging for 24 hour minimum without power interruption, for best results charge an additional 24 hour to 48 hr and then conduct a full 3 hour discharge test.					
2. Conduct a Monthly test every 30 days to check all functions work properly.					
3. Conduct a Half-Year test every 180 days with a full battery discharge for 3 hours.					
MODE	Method	If	LED indicator	Buzzer	Result
Mains ON	No action	No faults	Green (Permanently on)	OFF	
	No action	Battery fault	Red (Flash every 1Hz)	Beep every 45 seconds	
	No action	LED fault	Amber (flash every 1Hz)	Beep every 45 seconds	
Monthly Self Test Battery discharge time = 30 seconds	Monthly Test mode: Press the Test button and hold for 3 seconds until you hear 2 beeps.	Battery OK	All indicator OFF	After 30 seconds. Automatic restore to green light.	
		Battery fault	Red (Flash every 1Hz)	Beep every 45 seconds	
		LED fault	Amber (flash every 1Hz)	Beep every 45 seconds	
Half-Year Self Test Battery discharge time = 3 hr.	Yearly Test Mode: Press the Test button and hold for 6 seconds until you hear 3 beeps.	Battery OK	All indicator OFF	After 3 hrs. , Automatic restore to green light.	
		Battery fault	Red (Flash every 1Hz)	Beep every 45 seconds	
		LED fault	Amber (flash every 1Hz)	Beep every 45 seconds	
Mains Failure	No action goes into 3 hours emergency discharges	Battery Ok	OFF	OFF	
Note	1. AC off goes to EM mode. press test button 10 sec. then, turn off the module. 2. After repair, connect AC power. Press the Test-SW within 1 sec. , for function test and performance confirmation. . 3. If battery and LED board failure simultaneously, Flash red priority 4. Any beep will stop after repaired 5. Manual test will not affect the monthly and yearly test schedule.				

Warranty

This unit carries a three year warranty from date of purchase, providing it has been installed correctly and not modified in any way. Should a fault occur please contact the original point of purchase.

Important Notes

- The luminaire must be operated within the temperature range defined and avoiding extreme humidity.
- Operation must be within rated voltage.
- Keep away from strong electromagnetic radiation sources and protect from lightning strike.
- Should the unit malfunction, please return it to the distributor or reseller, never attempt repair yourself.
- Do not install the luminaire if any part is broken. Do not apply direct pressure to the front lens.
- The luminaire should be positioned away from heat, liquid and vibration. Ensure no contact with any corrosive chemicals.
- The luminaire should be mounted in free air and operated at an ambient temperature of 30 degrees.
- Never cover the luminaire with any covers or insulation materials.
- The luminaire should be positioned at least 1m away from radios as this may affect the signal reception. IP65 rated protection for indoor use only.

Test Record Sheet



Product Code:	Product Description:
Product Location:	
Installation Date:	Installation Test Duration:
Installed By:	

Month	Test	Year:		Year:		Year:		Year:		Year:	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
01	Short										
02	Short										
03	Short										
04	Short										
05	Short										
06	Short										
07	Short										
08	Short										
09	Short										
10	Short										
11	Short										
12	3 Hour Endurance										



WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.

Warranty/Technical and contact information are all available at www.integral-led.com
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