



# Bluetooth® Wireless Emergency Lighting Test Solution

For OEM Integration

## Decentralized Testing. Centralized Visibility. No Infrastructure Required.

Central battery systems require dedicated battery rooms, fire-rated cabling, and ventilation infrastructure. Emerlite enables self-contained emergency products to deliver automated wireless testing and monitoring without any of that cost or complexity.

### What Emerlite Provides

Emerlite is not an emergency lighting system. We provide the Bluetooth modules, firmware, and mobile application that transform your emergency lighting products into smart, self-testing devices. Your customers get automated monthly and annual testing, wireless status monitoring, and digital compliance records.

### Solutions

<b>BLE Modules</b> For New Product Design Integration	<b>Plug and Play Controllers</b> External Hardware for Existing Designs
<p>Compact modules for circuit board integration at manufacturing stage.</p>  <p><b>Ideal for:</b> Exit Signs, Emergency Combo devices, Emergency Lights, LED Drivers, Battery Backups</p>	<p>RJ11 and BH4 twist lock controllers that attach without rewiring.</p>  <p><b>Ideal for:</b> Adding wireless testing to existing emergency products and signs</p>

### Emerlite App

- Initiate functional or discharge tests from smartphone.
- Schedule automated monthly and annual tests.
- Receive alerts when issues are detected.
- Monitor status in real time: normal (green), offline (yellow), alert (red).



## EU Emergency Lighting Compliance

Alignment with EN 50172 and EN 62034

Requirement	EN Reference	Summary	Emerlite Capability
Monthly functional test	EN 50172 / EN 62034	Monthly short duration test required	Automated monthly tests via app
Annual duration test	EN 50172 / EN 62034	Annual full rated-duration discharge test	Automated annual rated-duration discharge tests
Automatic test system	EN 62034	Automatic systems permitted	Fully automated Bluetooth scheduling
Fault detection	EN 50172	Faults must be indicated	Automatic fault detection and alerts
Status indication	EN 62034	Status must be clearly shown	Real time status display
Test record retention	EN 50172	Records must be retained	Digital storage with history
Inspection of records	EN 62034	Results must be reviewable	Report export for inspection

### Compliance Statement

Products incorporating Emerlite technology meet EN 50172 and EN 62034 requirements for automated testing, fault indication, and digital record retention.

### Operational Benefits

- Eliminates ladder access for routine testing.
- Reduces working at height exposure.
- Enables off-hours scheduling to minimise disruption.

For application guidance, contact your Emerlite representative or visit [litetrace.com](https://www.litetrace.com).