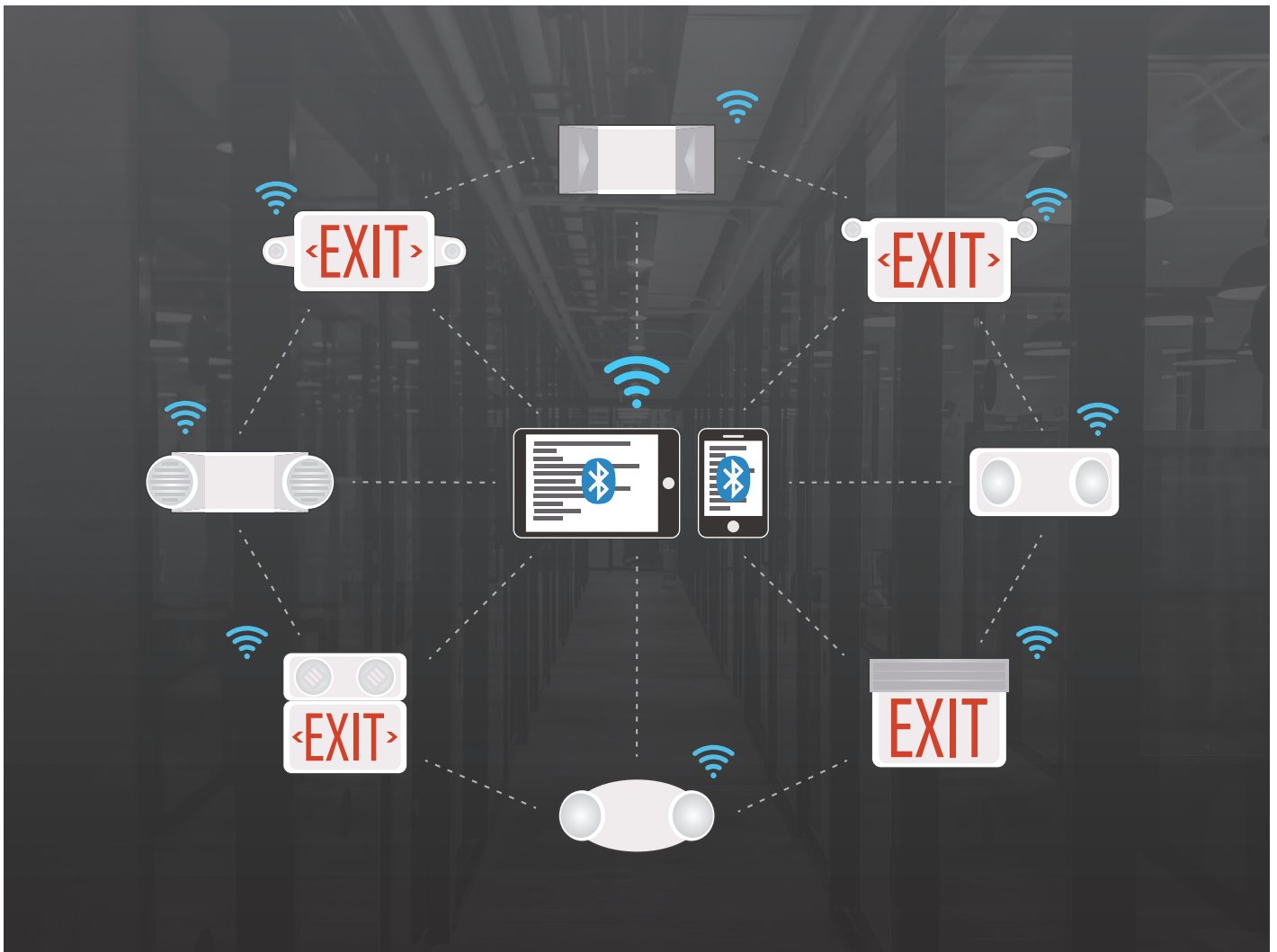


WIRELESS AND AUTOMATED SOLUTION COMPLIANCE FOR LIFE SAFETY PRODUCTS

Exit Signs & Emergency Lighting





Compliance & Challenge

Compliance is Critical

Emergency lighting systems are required by law NFPA 101 code in most commercial and public buildings to support safe evacuation during power outages and help maintain visibility throughout the space-guiding occupants, illuminating escape routes, reducing the risk of panic or injury.

To ensure reliability, emergency lighting systems must be tested regularly and documented for inspection by the authority having jurisdiction (AHJ). Typically two types of tests shall be mandated:

Functional Test

Frequency:

Monthly (at 30-day intervals)

Minimum Duration:

30 seconds

Full-Duration Test

Frequency:

Annually
(for battery-powered systems)

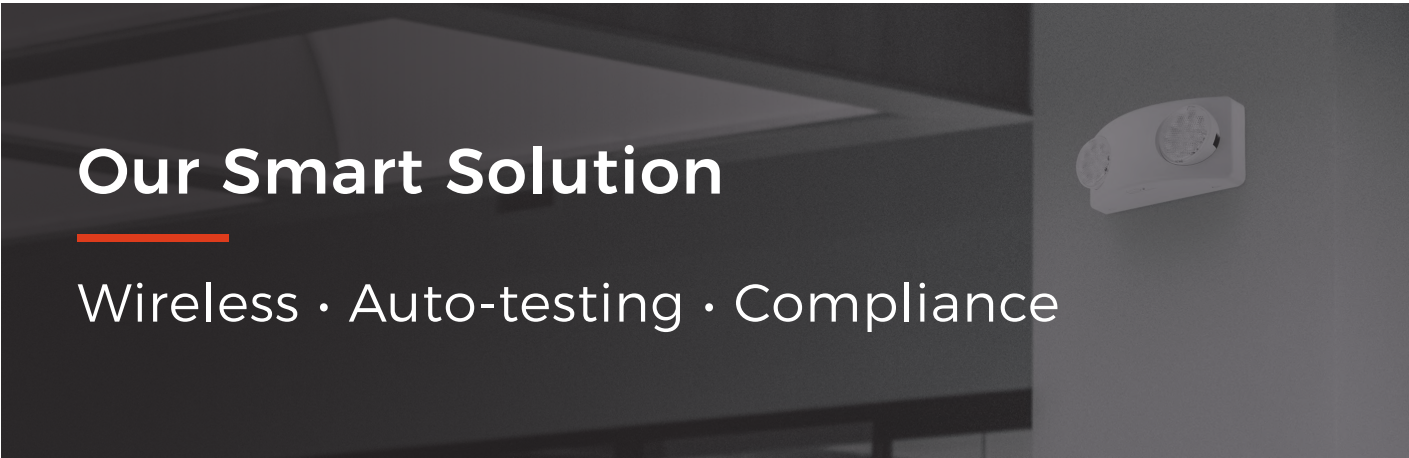
Minimum Duration:

1.5 hours

The Challenge

Compliance remains the legal responsibility of the building owner, though oversight of emergency lighting testing is often delegated to facility managers or external service providers. In most buildings, these checks are performed manually by pressing physical test buttons on each emergency lights. The process is time-consuming, labor-intensive, and prone to human error, leading to unnecessary maintenance costs, added operational workload, and inconsistent reporting.

We are seeing “labor paradox” here and the huge compliance risk are triggered. The industry needs better solution.



Our Smart Solution

Wireless · Auto-testing · Compliance

Our Solution

Illuminex provides a wireless emergency lighting testing system that replaces manual testing with automation, which allows flexible scheduling based on requirement.

Our solution automatically performs functional and duration tests to ensure compliance with local regulations. There's no need for physical access to lights, no repetitive button-pressing, no paperwork to chase. Once configured, the system operates continuously in the back ground-reducing manual effort, streamlining inspections, and ensuring ongoing compliance with minimal oversight.

Automated Self-Testing

- App-based Control & API Customization
- Remote Trigger & Batch Testing for Multi-Fixture
- Flexible Timing Scheduling for All Tests
- Real-time Status Monitoring with Color Indicators

Full Lifecycle Data Management

- Real-time System Monitoring & Instant Maintenance Alerts
- Paperless Record-Keeping
- Multi-Format Report Export
- Anytime Test History Access
- Future Prove for Cloud Service
- Unlimited Data Storage
- One-Click Data Retrieval & Test Operation (Start / Stop)

Platform Enables Smart Solution

Engineered to meet automatic testing requirements of emergency fixtures, pairs with exit signs / combo lights / emergency lighting to build a wireless BLE network for ladder-free, centralized life safety system management.

EMEBA-IMX



NFPA 101 Compliant | Centralized Wireless Management

Integrated Bluetooth Module / Controller Kit

Free Dedicated App | Private Icon Available

Customized Advantage for Diverse BLE Ecosystem

- Built-in RTC for uninterrupted, precise timing
- Dual reset : Controller button / FL30
- FPC Antenna | 150ft Obstacle-Free BLE Transmission
- Integrated Self-Diagnosis + Remote Feature
- Dual-mode testing | Batch test support
- Executes NFPA 101 compliant tests: Monthly 30s / Annual 90min

Testing Made Simple

Emergency lighting testing no longer needs to be complex. With Illuminex's flexible service options, projects can be fully tailored to diverse operational needs—from simplified local testing to complete remote management. The testing process may vary slightly based on the configuration you select.

Bluetooth Emergency Light & Mobile APP Matching Installation Guide

1 DOWNLOAD APP AND OPEN BLUETOOTH

Scan product QR code or download APP from app store and open bluetooth.



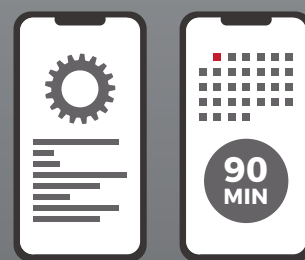
2 ADD DEVICE AND PAIRING

Click Add Device in the APP, enable automatic search, select the corresponding device ID, and confirm pairing. If succeed, the emergency light will emit a prompt tone or its indicator will flash.



3 SET UP TEST PLAN

Enter the control page, set up automatic test period (For example, perform a 90-minute emergency test on the 1st day of each month).



4 MANUAL TEST AND REAL TIME CHECK

Click "test", the emergency lighting switches to battery power mode. The APP displays the emergency lighting status in real time (Normal / Fault / Battery Level), and test records are automatically generated.



5 VIEW AND EXPORT HISTORICAL REPORTS

The APP consolidates all historical test results (Pass / Fail / Time). It supports one-click PDF export or report printing to meet fire safety compliance requirements.



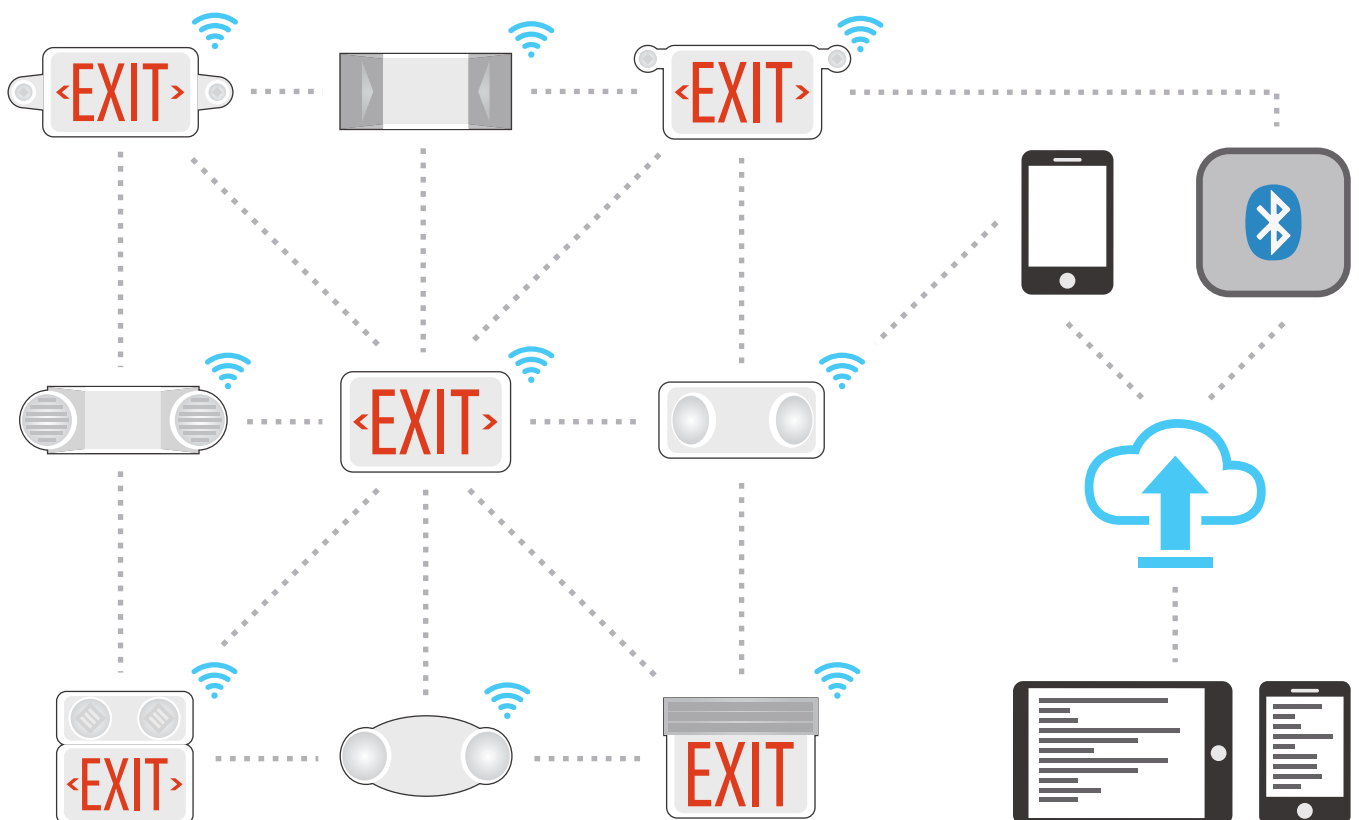
Solution Strategies



Our Emergency Lighting Testing service can operate as a standalone solution or be fully integrated into a Autani lighting control system or other private protocol and system.

In integrated setups, the same platform is used to manage both emergency and general lighting luminaires-streamlining commissioning, scheduling, and ongoing system management.

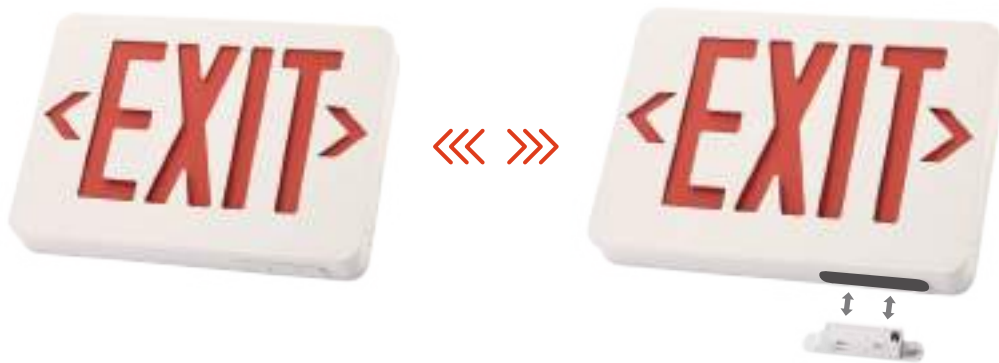
This unified approach reduces integration effort,simplifies maintenance, and allows emergency lighting to be managed alongside advanced control strategies such as occupancy sensing, daylight harvesting, and luminaire-level control-all from the same apps.



Flagship Products



Engineered for commercial & industrial life safety needs, flexible design fits all installation scenarios; optional Bluetooth unlocks smart remote management, upgrading traditional emergency lighting to intelligent operation.





Enable Your Own Smart Emergency System With ILX



Keilton
+ autani



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The distance between user and device should be no less than 20cm.