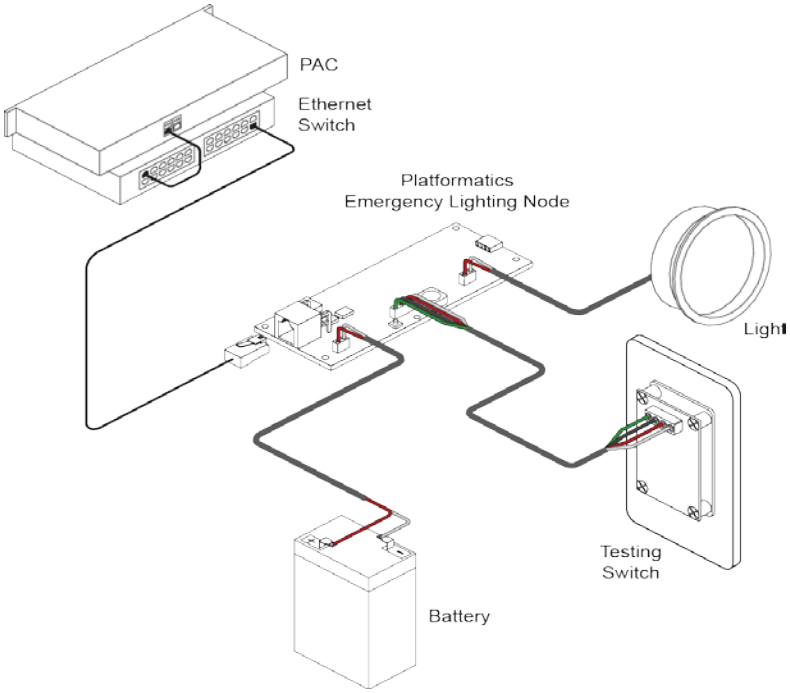
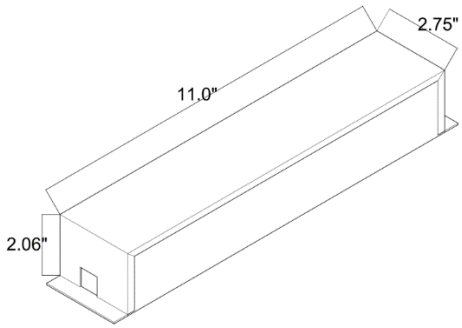
PoE Fire & Life Safety

System Overview





ELN Node and battery box

Specifications

UL Classified for US
UL 2108
UL 924

UL Recognized for US
UL 2108
UL 924

Illumination Time
Minimum 90 Minutes

Input Power
Maximum 50 W 48 VDC

Output Power
12 Watts

Battery
Contact your Platformatics Reseller for the latest list.

Recharge Time
Maximum 24 Hours

Temperature Rating
Standard
20°C to 30°C

Dimensions of ELN Housing
2.06”H X 11.0”L X 2.75”W

Weight
2.4 lbs.

Application
The Emergency Light Node (ELN) works on the Platformatics PoE (Power over Ethernet) system. The ELN is connected through an Ethernet cable to provide DC power from an Ethernet switch. The emergency light node consists of a luminaire connection, a battery charger and electronic circuitry, and a test switch.

Operation
When DC power fails, the ELN switches to battery mode, operating the attached luminaire for a minimum of 90 minutes. When DC power is restored, the ELN automatically returns to charge mode.

Emergency Illumination

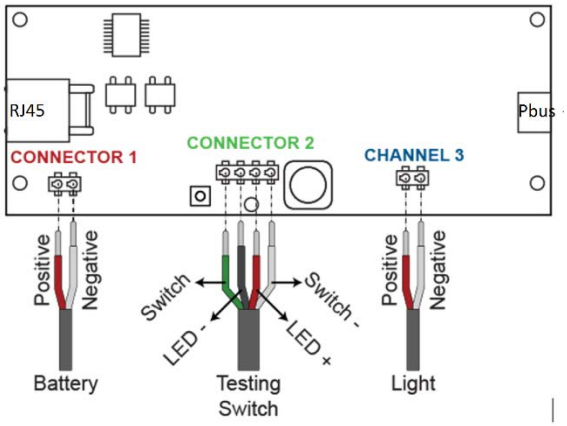
The ELN operates at 12 W for a minimum of 90 minutes.

After installation, it will be necessary to measure light output to ensure it complies with national, state, and local code requirements.

Warranty
The ELN is warranted for up to 5 years from the date of purchase with the purchase of a Platformatics Advanced Monitoring Plan. Please see detailed warranty information on our website at www.platformatics.com/warranty

Installation Notes

1. Take ESD (electrostatic discharge) precautions when servicing hardware.
2. Do not plug in Ethernet cable into the emergency lighting node until installation is complete.
3. This product is for use with a compatible LED luminaire.
4. Ensure all connections comply with the National Electrical Code, Canadian Electrical Code and all other local regulations.
5. To reduce the risk of electric shock, disconnect both normal and emergency power supplies to the emergency lighting node before servicing.
6. The emergency light node is designed for field installation inside, on top of, or remote from the fixture.
7. Do not attempt to service the battery. A sealed, no-maintenance, battery is used. The battery is not field serviceable.



Step 1 – Installation of the ELN: Connect the positive wire from a compatible white light LED luminaire to the positive port on the ELN. Connect the negative wire from the white light LED luminaire to the negative port on the ELN.
Step 2 – Installation of the battery backup: Connect a wire to the positive port of the ELN, then connect a second wire to the negative port of the emergency lighting node. Connect the leading wires to the corresponding terminals on the battery.
Step 3 – Powering on the emergency lighting node: Connect the Ethernet cable from the networking PoE hardware to the ELN.