

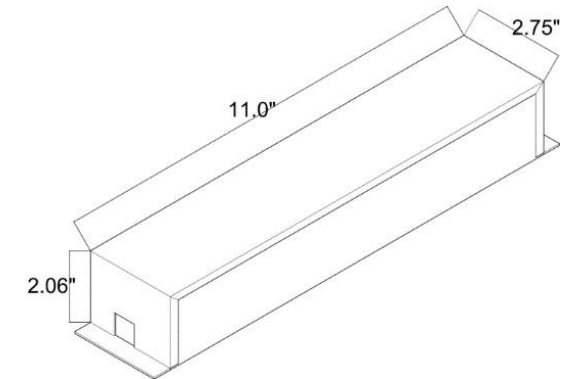
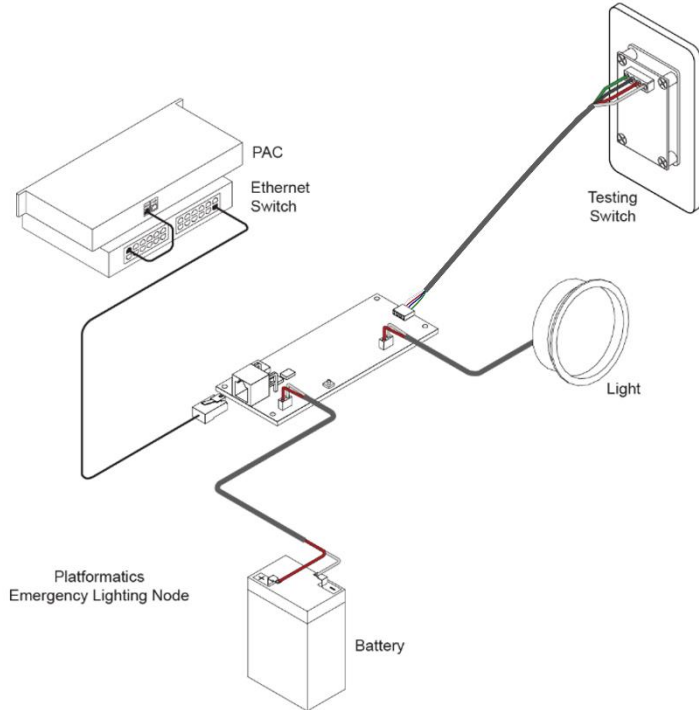
Emergency Lighting Node Bundles

POE-ELN-1
POE-ELN-2
POE-ELN-4



**PoE
Fire & Life
Safety**

System Overview



Node and Battery Case

Specifications

UL Classified for US

UL 2108

UL 924

UL Recognized for US

UL 2108

UL 924

Illumination Time: 90 Minutes Minimum

Input Power: Maximum 50 W 48 VDC

Normal PoE Output Power: 50 W

Maintained (Emergency) Output: 10W

Battery: Contact your Platformatics Reseller for the latest listing.

Temperature Rating: 20°C to 30°C

Dimensions of ELN Housing:

2.06" H X 11.0" L X 2.75" W

Weight: 2.4 lbs.

Installation and Operation Notes

Application: The Emergency Light Node (ELN) works on the Platformatics PoE (Power over Ethernet) system. Platformatics offers 1 channel, 2 channel and 4 channel ELN configurations. All ELN configurations only consume one Ethernet port, as connection through an Ethernet cable provides DC power from an Ethernet switch. The emergency light node configurations support at least one luminaire connection, a battery charger and electronic circuitry, and a test switch – refer to Table I for supported setups. Emergency tests can be scheduled via software and results sent by email. Historical log records are available in the Platformatics Monitored Remote Care Service.

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 10 W for a minimum of 90 minutes. After installation, measure light output to ensure it complies with all applicable codes.

Warranty

The ELN is warranted for up to 10 years from the date of purchase with the purchase of a Platformatics Advanced Monitoring Plan. The battery is warranted by the manufacturer. Contact your reseller for current terms. The ELN node warranty information is on the Platformatics website:

www.platformatics.com/warranty

		Fixture Type		
		White Light	White Tunable Light	Exit Sign/Bugeye
Node Box Assembly Type	1 Channel ELN (POE-ELN-1)	1 Maintained Fixture		Up to 4 Fixtures (max 10W load)
	2 Channel ELN (POE-ELN-2)	1 Maintained Fixture 1 Non-Maintained Fixture	1 Maintained Fixture (Cool Side)	
	4 Channel ELN (POE-ELN-4)	1 Maintained Fixture 3 Non-Maintained Fixtures	1 Maintained Fixture (Cool Side) 1 Non-Maintained Fixture	

Table 1

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 Codes and 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.

With Quick Connect Harnesses:

Step 1 – Installation: Connect the harness(es) from the node box to the corresponding quick connects of the compatible luminaire(s).

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 ELN. 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.

Without Quick Connect Harnesses:

Step 1 – Installation: 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 ELN. 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.