

# PoE LIGHT NODE ASSEMBLY

specifications for constant voltage 4 channels

## PROJECT INFORMATION

<b>CATALOG #:</b>	
<b>TYPE:</b>	
<b>PROJECT:</b>	
<b>SPECIFIER:</b>	

### EASY INSTALLATION & INTEGRATION

Nodes offer installers a quick and seamless connection using a low-voltage pluggable connector/terminal block combination to power and control constant voltage LED lighting.

### STANDARD NODE OPERATION

Auto Discovery, Autonomous Control, RGB Color & Tunable White Light, 70 Watt Load Capacity

### CENTRAL EMERGENCY POE DRIVER OPTION

For centrally-powered egress fixtures. Central Emergency, "CE", Nodes provide UL924 listed egress lighting when used with maintained PoE switches. Requires one POE-SB-EMD per system for power loss detection.

### AUTOMATIC OVERRIDE AND RESTORE

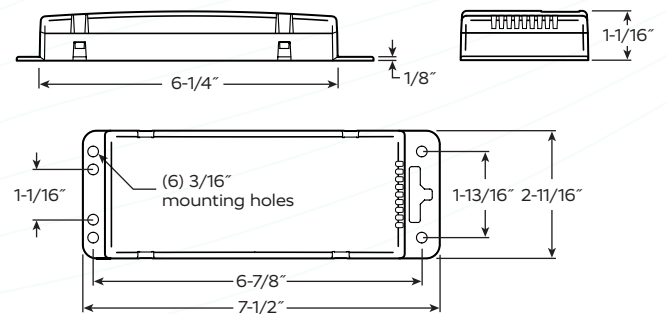
Optional Central Emergency Nodes automatically override lighting level and controls to maintain required egress lighting during a power outage. Lights return to previous levels and normal operation when power is restored.



**LIGHT NODE ASSEMBLY**



**CE OPTION**



**CABLING AND CONNECTOR CONSIDERATIONS**  
available at [PLATFORMATICS.com](http://PLATFORMATICS.com)

## ordering information

PRODUCT	APPLICATION	VOLTAGE	OPTIONS	CONNECTOR
<b>POE-LN2-</b> PoE Light Node Assembly (Gen 2)	<b>4U-</b> 4 Channel	<b>CV24-</b> 24V Constant voltage	<b>CE-</b> Node for use with centralized emergency power*	<b>ST</b> Screw Terminal

Sample: **POE-LN2-4U-CV24-ST**

\* System must include one Platformatics POE-SB-EMD per POE-CONNECT instance.



# PoE LIGHT NODE ASSEMBLY

## SPECIFICATIONS

<b>Connect Software Requirement</b>	Minimum V2.0
<b>Ethernet Interface</b>	10 BASE-T MDI RJ-45
<b>Ethernet Interface Power Specification</b>	Complies with power levels of IEEE 802.3af, 802.3at and 802.3bt, PoE, PoE+, UPoE or UPoE+ (Power over Ethernet)
<b>Max Input/Output Voltage</b>	60V DC/48V DC
<b>Maximum Power Draw</b>	Up to 90 Watts
<b>Maximum Output Current</b>	2.9A
<b>Peripheral Communication Bus</b>	2-twisted pairs 18-24 AWG Stranded or Solid wire 1 Pair - 1 Mbps differential data pair - CAN 2.0 (ISO 11898-2) 1 Pair - +12 VDC @ 500mAmps Maximum
<b>Maximum Aggregate Power Output</b>	Up to 72 Watts (Including all 4 LED Channels and Peripheral Keypads & Sensors)

## ENVIRONMENTAL SPECIFICATIONS

<b>Safety Compliance</b>	UL 916 & UL 2108 - E480040 UL 924 - E488449
<b>ROHS</b>	Compliant
<b>Normal Operating Temperature and Altitude (Density Altitude)</b>	-5°C to +45°C (+23°F to +113°F), up to 5000ft (1500m) -5°C to +40°C (+23°F to +104°F), up to 10,000ft (3000m) Min ambient temperature for cold start is 0°C (+32°F)
<b>Relative Humidity</b>	10% to 95%, noncondensing
<b>Storage Environment</b>	Temperature: -40°C to +70°C (+40°F to +158°F)
<b>Location</b>	For use in dry locations.

## POWER CONSIDERATIONS FOR PLATFORMATICS-READY LIGHTING FIXTURES

### CONSTANT VOLTAGE CONTROL ELECTRICAL PARAMETERS

Fixture Voltage (V)	Max Power (W)*	Max Current (A)
24	70	2.9

\* Total for all 4 channels with no load distribution restrictions.  
Total load can be placed on a single channel.

### FIXTURE POWER STOPS FOR OPTIMIZED COST

90W Ports (W)	60W Ports (W)
18	12
24	16
36	25
72	50

