



Generation 2.0 nodes offer installers a quick and seamless connection using a low-voltage pluggable connector/terminal block combination to attach any LED or Edison bulb.



Platformatics' enabled lights support numerous lighting control functions from dimming and daylight harvesting to advanced applications like space-use monitoring, lighting scenes, circadian rhythm playlists and real-time energy monitoring.

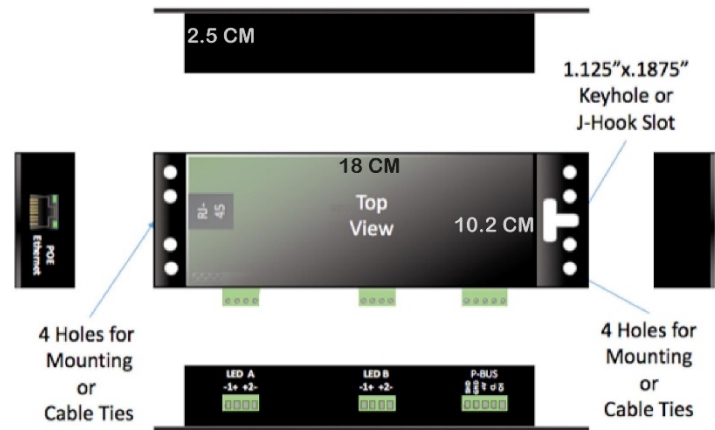
Assemblies are available in 1, 2, and 4 channel configurations to enable white light, tunable white light, and RGB+W light.

The white light node provides simple white light troffers and luminaries with advanced control and power management. These nodes are ideal for use with 2x2 and 2x4 troffers, and with a 4-pk of down lights. They provide secure auto-commissioning, granular dimming, and advanced power monitoring.

The tunable white light has all of the features of the white light while also supporting multiple light temperatures. These are ideal to use with 2x2 tunable white lights.

The RGB+W light node supports full RGB+W lights. This node provides up to 50 Watts for high output color control. Each node can work on a flat panel, or power RGB+W downlights, strip lighting, wall sconces, or other accent topologies.

Gen 2.0 Node	Specs
<b>Ethernet Interface</b>	10/100BASE-T Auto Negotiate MDI RJ-45
<b>Ethernet Interface Power Speciation</b>	IEEE 802.3af or 802.3at PoE, PoE+, or UPoE (Power over Ethernet) PSE (Power Sourcing Equipment)
<b>Max Input/Output Voltage</b>	60 Volts / 50V DC
<b>Maximum Power Draw</b>	60 Watts
<b>Maximum Output Current</b>	Channel and Model Dependent 100-2000mAmps, DC 1 to 4 Channels Nominal Maximum Output Current as Supplied.
<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>	50 Watts (Including all 4 LED Channels and Peripheral Keypads & Sensors)



### Field Installation Connector



<b>Environmental specs</b>	
<b>Safety Compliance</b>	Compliant with UL 924 & UL 2108
<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 5000 feet (1500m) -5°C to +40°C (+23°F to +104°F), up to 10,000 feet (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) Altitude: 15,000 ft



Product Name	ID (plenum)	Min Software
<b>1 Channel Node</b>	POE-LN5-1U-PR	PAC V2.0
<b>2 Channel Node</b>	POE-LN5-2U-PR	PAC V2.0
<b>4 Channel Node</b>	POE-LN5-4U-PR	PAC V2.0

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