

# PRODUCT SPECIFICATIONS SHEET

## rNET-POE-LCN

### Power Over Ethernet Lighting Control Node

The rNET-POE-LCN enables any LED fixture (<90W) to be network controlled via a POE infrastructure by simply removing or not including the high voltage (120-277VAC) driver



### PRODUCT DESCRIPTION

The rNET-POE-LCN is an ideal replacement for any traditional LED driver. It transforms most LED fixtures from a class I device to a class II device enabling a much lower “drag along” installation cost (6x more than the product itself) associated with traditional lighting fixtures.

With four inputs, it can accept stimulus from occupancy sensors, 0-10V wall switches, daylight sensors, momentary and maintained switches. These inputs can be shared across the network and real-time status can always be displayed.

Four outputs connect directly to the LED +/- wires of the fixture supporting a constant current output (0-4000mA) or a PWM constant voltage interface (typical with tape lights). Drive levels are set (in software) for each output and precision dimming increments and smooth transitions are all dynamically created as part of the internal functionality.



### DETAILED PRODUCT SPECIFICATIONS

#### KEY FEATURES

- Support lower Class 2 install costs
- Connects to any type of legacy wall switch or occupancy sensor
- Ideal connection for Legacy LEDs
- HTML5/REST\_API connection
- Power measurement and driver analytic
- SW configuration options of current drive through LEDs
- Lifetime statistics and email alert options
- Ability for inputs to affect any fixtures in the network
- Each output is individually addressable
- Full IoT capabilities
- Ability to support four individual fixtures, two CCT (tunable white) fixtures, or one RGBW fixture
- Universal inputs connect to any industry standard low voltage occupancy (wet contact), 0-10V input, dry contact, or daylight sensor
- Hosted by any rNET-PDG gateway
- Outputs can be coupled together for > 1A output
- On board power metering

#### TECHNICAL SPECIFICATIONS

- Working temperature: -20-40
- Power Supply: POE PD Power over Ethernet (IEEE803.3bt, 90W source; 71W-85W delivered)
- Output: 4 pairs of LED+ / LED- with dynamic power assignment for each pair, based on load.
- Inputs: Four autosense 0-10V, dry contact or 24V wet contact used with external sensors or wall switches
- Constant Voltage Mode (ex tape light): support for 24V-48V with PWM dimming (> 1KHz duty cycle; 1% increments)
- Constant Current Mode (ex LED driver bypass): support for 0-1A per output with voltage support 12-50V range
- Dimension: 175 mm x 66 mm
- Weight: < 1 lbs.
- Static power consumption: <5W



SKU	Description
rNET-POE-LCN-CC	Constant Current outputs
rNET-POE-LCN-CV	Constant Voltage outputs
rNET-POE-LCN-IN	Inputs only

## Example Wiring Diagrams

