



Austin Led Consultants

DMX and Led power over ethernet

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PL-POE-IR-Kit InfraRed Floodlight with Dusk/Dawn

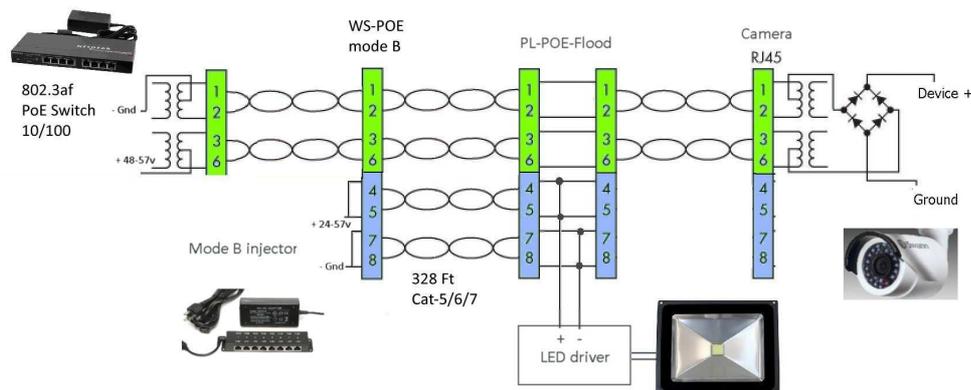
Infrared night light – long range – with PoE repeater function

Product Description - PL-POE-Flood-B

This Floodlight is powered by Ethernet cable! You can now add powerful IR illumination dusk-dawn anywhere – without the need for 110v wiring. Bright 6 watts of long lifetime IR LED lighting. This device allows two power feeds on one CAT-5e line. Camera power and data at 10/100 speeds, while the same Ethernet cable powers this IR Illuminator. Since the PL-POE-IR-Flood also has a male and female RJ45 – you can attach a PoE Camera and LED floodlight from the same CAT-5e cable up to 328 ft from the source. The attached 2nd device can be a Camera, a WiFi Access Point or a PL-AT-Flood for white and IR light.

With Power over Ethernet there are two modes A and B. Mode A has power & data on pins 1,2 and 3,6 – this is for the attached camera or other 802.3af device. Mode B is power on pins 4,5 and 7,8. The PL-POE-Flood-B uses mode B for LED power, while passing Power & Data on mode A thru the device untouched, out to a camera, a WiFi-Access point or a PL-AT-Flood LED. This design allows 2 devices to share one CAT-5e line. Here is how this is done.

Mode A from your PoE switch, mode B from our passive mode B injector



Your existing standard PoE switch supplies 48 or 56 volts DC for the device in mode A, and our PoE injector adds independent mode B power for the LED. Since these are on different pins of the RJ45 – it works well. With this method, our injectors from 1 to 24 ports are recommended for LED power on mode B, while a 2nd device power comes from the PoE switch or injector on mode A pins.

The mode A power source can also be any WiFi Texas brand device like the WT-GPOE wall mount or rack mount device

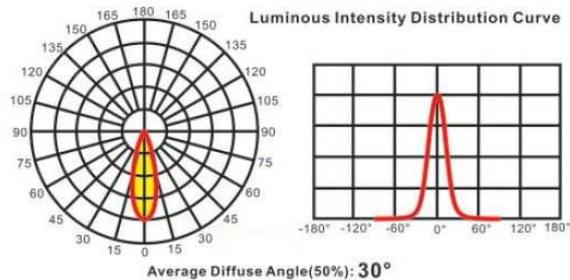
Specifications

Power source and 802.3af passthru	RJ 45 male connector (mode A) injector with 2.1mm DC plug and 24v 12w UL listed power supply
802.3af passthru output	RJ 45 male connector (802.3af mode A up to 25 watts) to cameras, splitter with 2.1mm male DC plug to IR flood
Input voltage range	IR flood accepts 12v to24v 6.5 watts
LED Power pins in	+24v on 4&5 and -48v on 7&8 from passive PoE injector
Passthru Power and Data pins in	1&2 and 3&6 from PoE switch – unmodified passthru
Max Power consumption	6.5 watts in for 6 watts model LED light 13 watts in for 12 watts model LED light
Input Current at 24v	280 ma input delivers 6 watts to LED
Dusk to Dawn	Built In CDS sensor
IR LED Color	850 nm
Operating Temperature	0°C ~ 50°C
Size	225 x 250 x 185 mm with 20 cm cord



Daisy Chaining

To power the IR flood and a PoE camera – connect the PoE injector (24v) after the PoE switch, then run up to 328 ft of CAT-5e or better wire, then connect the PoE splitter to the IR flood, and the RJ45 male to the Camera. You now have IR and a Camera on the same CAT-5 cable.



Order information

LED order codes – Mode B	Description
PL-POE-IR-Kit (6 watt) with injector	6 watt – power on pins 4&5: 7&8 pass thru 1&2: 3&6
PL-POE-IR-12w mode B	12 watt – power on pins 4&5: 7&8 pass thru 1&2: 3&6
Injectors - Flood + camera	
WS-POE-In-24v15w	Mode B Injector add-on for PoE switches for one Flood-LED, passthru mode A
Multiport Injectors	
WS-POE-8-24v60w	Mode B Injector add-on for PoE switches to add 8 Flood-LEDs, wall mount, mode A passthru
WS-POE-16-24v120w	Mode B Injector add-on for PoE Switches to add 16 Flood-LEDs, rack mount, mode A passthru
 Single power injector	 Power 8 Devices Over Ethernet Multiport Injectors