

PRODUCT OVERVIEW

The X-PoE® powered device serves as an intermediary between the X-PoE® port and the connected LED lights or other devices, enabling power transmission and providing support for high power outputs.

The PD takes the RJ45 connection from an X-PoE® port and converts it to two separate channels, each with a pair of positive (+) and negative (-) conductors. These channels are used for powering LEDs or other compatible devices.

The PD is capable of providing a total power output of up to 130W.

CONFIGURATIONS

XPD-T2P-G: One X-PoE® RJ45 input converted to two output channels with positive (+) and negative (-) conductors, supporting up to 130W total output.

FEATURES

Power and port architecture	(2) Ethernet ports and (2) IEEE 802.3bt/X-PoE® ports
	Supports IEEE 802.3at/bt, X-PoE®, and legacy passive PoE compatibility
	44-57VDC terminal block input with reverse-voltage protection
Distance and output	Up to 90W per port in IEEE mode
	Up to 120W per port in X-PoE® mode
	Designed for Cat5e/Cat6 low-voltage lighting runs
Status and serviceability	Front-panel system LED for power and fault indication
	Wall-mount form factor
Warranty	5-year limited warranty with uninterrupted connection of the Luum Border Router device from a network



FRONT PANEL



- 1. X-PoE Power Input
- 2. Panel Nut
- 3. Gasket
- 4. X-PoE Outputs
 - Channel 1 Output (RED + / WHITE -)
 - Channel 2 Output (YELLOW + / BLUE -)

TECHNICAL SPECIFICATIONS

Category	Specification	XPD-T2P-G
MECHANICAL	Dimensions	56.3 mm x 28 mm x 28 mm (2.2 in x 1.1 in x 1.1 in), not including wires
	Panel cut-out	22.2 mm (0.875 in)
	Weight	0.01 kg (0.02 lb)
INTERFACES	Interfaces	(1) RJ45 X-PoE input port, (2) individually controlled X-PoE lighting LED +/- outputs
ELECTRICAL	Power input	48VDC to 57VDC input from X-PoE port
	Maximum power consumption	130W (at 57VDC) with both channels fully loaded at 100% Note: Maximum output power is dependant upon the input voltage and the forward voltage of the connected light engine.
ENVIRONMENT	Operating temperature	-20 C to +35 C (-4 F to 95 F)
	Storage temperature	-20 C to +50 C (-4 F to +122 F)
	Ingress protection	IP68 waterproof rating
COMPLIANCE	Certifications	UL 2108, CSA-C22.2 No. 250.2, X-PoE, IP68 (when used with cap)
GENERAL	Warranty	5-year limited warranty with continuous cloud connection