X-PoE - Knowledge Center



Browse the navigation to find installation guides, application notes, and data sheets. Start with the application guide or the X-PoE lighting controller data sheet if you already know what you need.

If you are looking for configuration tools, or cannot find what you need here, try these links:

- Configuration App
- The Amatis Website
- TM65 case study — embodied and operational carbon with X-PoE

INTRODUCTION

X-PoE® technology serves as a groundbreaking extension to conventional Power over Ethernet (PoE) systems. While traditional PoE has been pivotal in powering IP telephones, security cameras, and broadband transceivers, it has limitations when applied to lighting systems. X-PoE addresses those limits by offering up to 130 W of power per port, eliminating the need for an LED driver at the fixture and making installations faster and more efficient.

This innovation simplifies deployment of DC-connected lighting systems and supports the growing PoE market beyond its original scope. Fully compatible with IEEE-defined standard PoE, X-PoE offers zero standby power, reduced material use, and higher efficiency.

For more information visit www.x-poe.com.

X-POE CERTIFICATION, PARTNERSHIPS, AND LICENSING

Lighting Manufacturers

Making a luminaire X-PoE compliant is easy and license free. Use the fixture integration and design resources in this knowledge center to retrofit or design luminaires for X-PoE.

Luum also offers a luminaire certification program. Send us your luminaire(s) and we will:

- Find the best mechanical option for the X-PoE RJ-45 connector.
- Profile your light engine for dimming, performance, and compatibility on X-PoE switches.
- List certified luminaires and software profiles selectable on X-PoE switches.
- Offer partner pricing on UL-certified X-PoE connectors and accessories.