XS-108H



INTRODUCTION

About This Guide

This comprehensive guide offers detailed instructions for the seamless installation of your X-PoE lighting panel. It includes step-by-step procedures, essential mounting and wiring requirements, safety guidelines, and basic troubleshooting to ensure a smooth and reliable deployment of your X-PoE lighting system.

Cautions And Warnings

When installing hardware, it is important to follow safety precautions to avoid potential injuries or damage to the equipment. Failure to follow safety guidelines can result in electric shock, fire, or other hazards.

DEFINITIONS:

NOTE

A note is typically used to provide additional information or clarification that is relevant to the installation process. It may include recommendations, tips, or other useful information that can help ensure a successful installation.

CAUTION

A caution statement indicates a potential hazard that could result in minor or moderate injury, or cause damage to the product if appropriate precautions are not taken. They are used to alert the reader to a potential risk and provide instructions on how to avoid it.

DANGER

A danger statement indicates a potential hazard that could result in serious injury or death if appropriate precautions are not taken. They are used to alert the reader to a potential risk that is critical and requires immediate attention to prevent harm. It may provide instructions on how to avoid the hazard or recommend seeking professional assistance.

SAFETY PRECAUTIONS:

DANGER

Installation and wiring of this panel must be performed by a qualified/licensed electrician familiar with the applicable national and local electrical codes.

DANGER

Before installing or servicing the panel or its internal power supply, disconnect the AC mains feed and verify the panel is de-energized.

DANGER

When connecting a device to power, it is important to properly secure wires in screw terminals to prevent the risk of electrical shock or fire. Failure to do so could result in damage to the equipment, injury, or death.

DANGER

Ensure the AC mains input voltage and frequency match the panel rating (e.g., 120 V or 240 V, 50/60 Hz). Do not connect the panel to a voltage beyond its specification.

DANGER

When installing the device, read the mounting instructions carefully and always use the correct mounting hardware. Using incorrect hardware or improperly installing the hardware can result in the equipment falling or shifting.

CAUTION

The panel enclosure, internal metal parts, and associated conduits must be properly grounded and bonded in accordance with electrical code to protect against shock hazard.

CAUTION

Do not exceed the rated power capacity of the panel. Overloading branch circuits or the internal supply may cause overheating, equipment failure, or fire.

CAUTION

Equipment is for indoor use only.

CAUTION

Make sure airflow around the unit is not restricted.

CAUTION

Disassembling any part of the unit voids the warranty and regulatory certifications. There are no user-serviceable parts inside the unit.

CAUTION

Do not install the unit in an environment where the operating ambient temperature might exceed 40°C (104°F).

CAUTION

This equipment is not suitable for use in locations where children are likely to be present.

NOTE

The unit is an indoor device. If it will be connected to outdoor devices or lighting loads, an arrester must be installed on the cable between outdoor devices/loads and the unit.

PRODUCT OVERVIEW

The XPoE Panel provides a centralized, AC-powered solution for delivering low-voltage lighting control using Luum's X-PoE technology. Each panel includes two pre-installed XPoE lighting controllers, factory-wired to an internal power supply and enclosed in a serviceable metal cabinet for streamlined installation and commissioning.

Designed for commercial applications, the panel distributes safe, low-voltage power to lighting loads while enabling granular control through network-based configuration. By consolidating power, control, and terminations in a single enclosure, the XPoE Panel eliminates remote drivers and simplifies installation, maintenance, and system design.

The XPoE Panel is available in multiple power capacities:

- **XSP-2-2000** — Internal 3,200 W supply. The panel holds two X-PoE switches, so the maximum output is 2,000 W
- **1,600 W Panel** — Internal 1,600W power supply for mid-sized installations

Controller-specific capabilities, including port behavior, configuration, and programming details, are documented in the XS-108H Install Guide. This install guide focuses on the panel-level installation, AC wiring, safety requirements, and system-level deployment.

ORDERING INFORMATION

CONTROLLERS	
XSP-2-1600 Data Sheet	1,600W X-PoE Lighting Panel
XSP-2-2000 Data Sheet	2,000W X-PoE Lighting Panel

INSTALLATION

Parts List

Before getting started with the installation process, it's important to make sure all the necessary components are included. Here's what should be found inside the box:

- (1) X-PoE Lighting Control Panel, Including:
  - (2) X-PoE Lighting Controllers
  - (1) Din-Rail Accessory Mount
  - (1) Internal AC/DC Power Supply
  - (1) Incoming AC Power Breaker

Please ensure all items are accounted for. If any item is missing or damaged, contact the place of purchase for a replacement.

> **NOTE**
> Mounting hardware is not included. Use hardware that is appropriate for the surface and material to which the panel will be mounted.

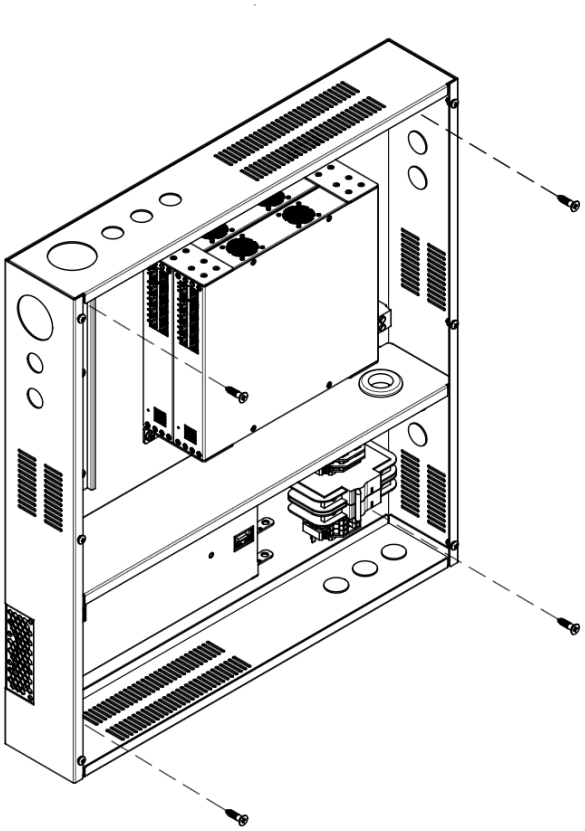
Wall-Mount Installation

> **NOTE**
> The hardware and devices shown in these instructions are meant for guidance purposes and may not accurately represent the specific device or environment you're installing into.

Perform the following steps to install the device on a wall:

1. Review all cautions and warnings to ensure safe installation practices are followed.
2. Ensure the unit will be installed on a sturdy and flat surface, and that the ventilation holes are not obstructed.
3. Attach the unit to the wall using (4) screws appropriate for the surface and material (fig. 1).

FIG. 1: Attaching to a wall



4. Ensure the breaker is in the off position, and connect the AC line, neutral, and ground conductors to the panel's AC mains input. Follow all applicable electrical codes.

5. Switch the breaker to the on position to energize the panel.

INITIAL SETUP

Follow the steps shown in the XS-108H Install Guide to configure the X-PoE lighting controllers.

RELATED INFORMATION

Technical Support

If you experience any issues during installation or operation of this product, please contact our technical support team for assistance. Our technical support team is available via email at support@luum.io. Please provide a detailed description of the issue you are experiencing, including any error messages or other relevant information.

Warranty Information

All Luum.io lighting products and controls come with a 5-year parts warranty. We warrant that our products will be free from defects in material and workmanship for a 5-year period from the date of purchase. Defective products under warranty will be replaced with an equal or higher quality product.

If you experience any issues with your product during the warranty period, we will repair or replace it at no charge to you. To initiate a warranty claim, please contact our customer service team at support@luum.io. For more information about our warranty policy, or for additional support options, please visit our website at www.luum.io.

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Document Feedback

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Revision History

Date	Revision	Notes
3/22/2023	A	Initial X-PoE Panel install guide release
11/3/2026	B	Converted to the current guide format. English only.

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Compliance Information

This device is ETL Listed to UL 508A, confirming compliance with the applicable safety requirements for industrial control equipment.