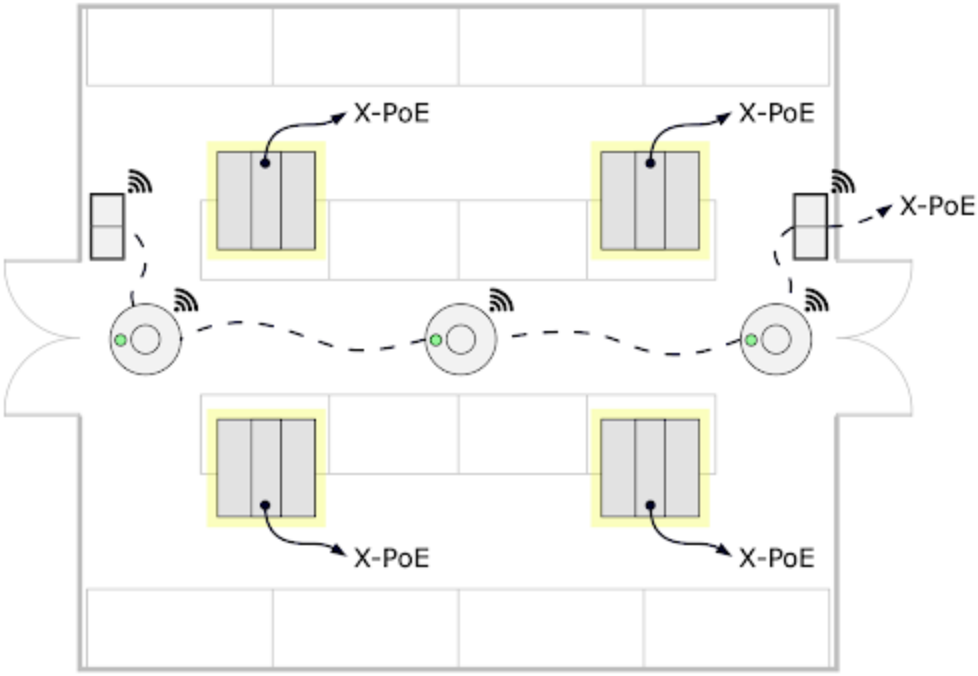
WAREHOUSE - EXAMPLE LAYOUT

LAYOUT

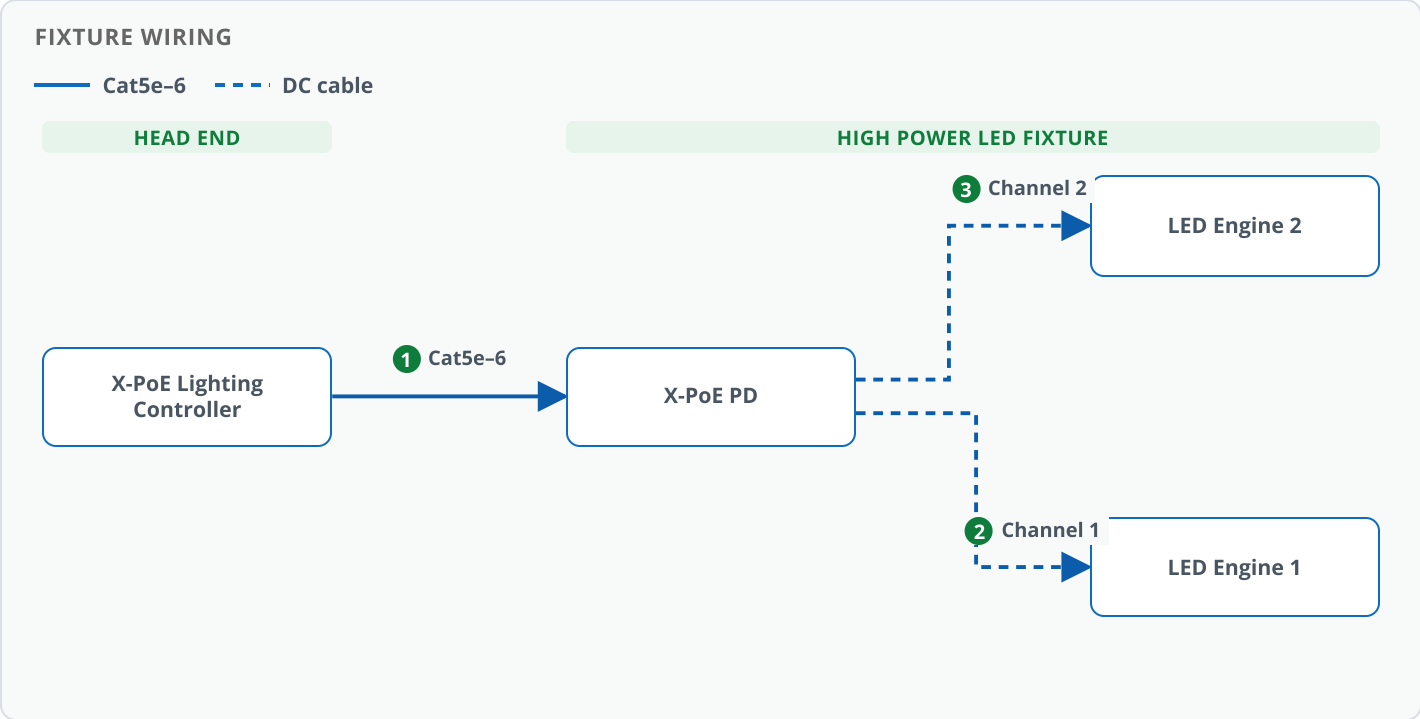


Large open spaces like warehouses typically are optimized for maximum power density and fixture level control. High power fixtures consume the entire power budget of an X-PoE port. In the above scenario, four X-PoE ports provide power to the high power LED fixtures, while a single X-PoE port provides power to the 3rd party wireless controls system via a standard IEEE PD. The X-PoE lighting controller is housed remotely, along with it's power supply, and the 3rd party control system host. The X-PoE lighting controls system is integrated with the 3rd party control system via API and/or MQTT.

FIXTURES

- 3rd party high power LED fixtures, up to 48V 2.23A. For more information, see D1.2 - Output Power Range.

- 1 fixture/X-PoE port, utilizing **2 channel** panel mount X-PoE PD:

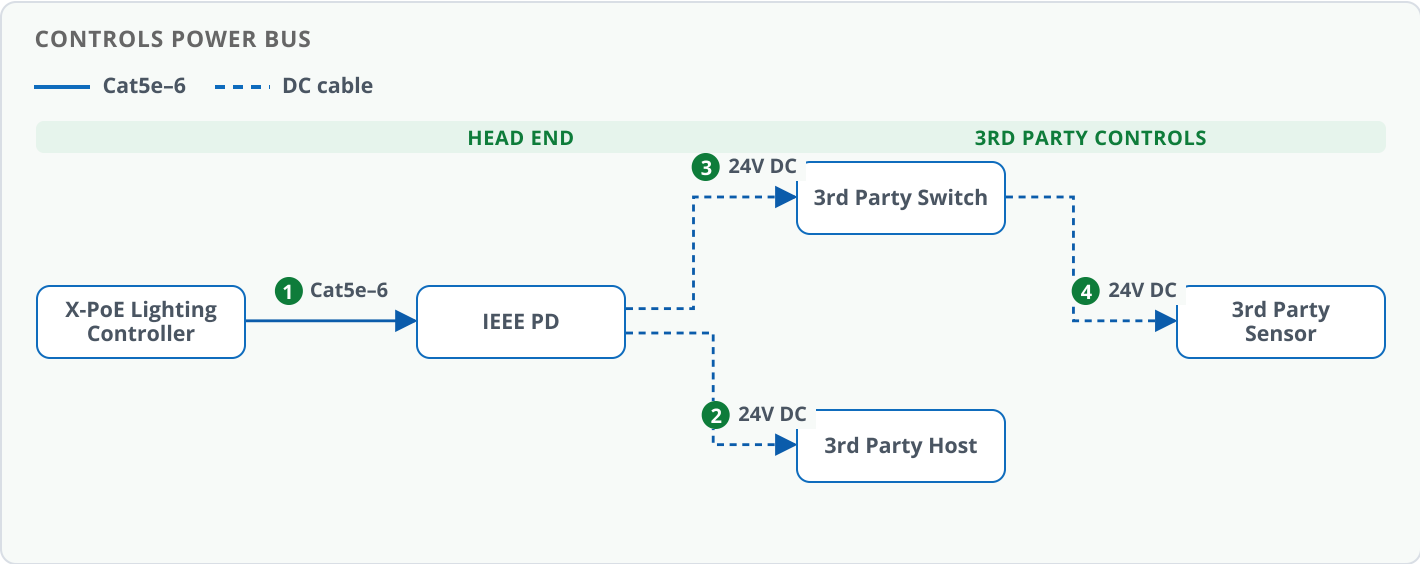


FIXTURES MUST HAVE TWO SEPARATE LIGHT ENGINES.

Although the Luum switch supports 2.23A max/port, two channel ports support a maximum of 1.115A each. In this example, a fixture with two separate light engines was used.

CONTROLS

- 3rd party wireless lighting controls system, integrated with X-PoE. For more information, see D6.1 - Integration.
- 24V power bus to devices from standard IEEE PoE PD:



SYSTEM COMPONENTS

Qty	Description	Vendor	Part Number
4	3rd Party LED Light Fixtures Panel Mount X-PoE PDs	n/a Luum.io	n/a XPD-T2P-G (panel mount PD)
n/a	3rd Party Wireless Control System (motion sensors, switches, wireless gateway (not shown))	n/a	n/a
1	Standard IEEE PoE to 24V PD (not shown)	n/a	n/a
1	8 Port X-PoE Lighting Controller Power Supply (not shown)	Luum.io n/a	XS-108H (power supply not included)

RELATED INFORMATION

Technical Support

Questions about this warehouse layout can be sent to support@luum.io.

Document Feedback

While we have taken great care to ensure the accuracy and completeness of this document, we welcome your feedback and suggestions. If you notice any errors or omissions, or feel a topic could benefit from further explanation, please email your feedback to support@luum.io.

Revision History

Date	Revision	Notes
11/3/2026	A	Converted to the current guide format.

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