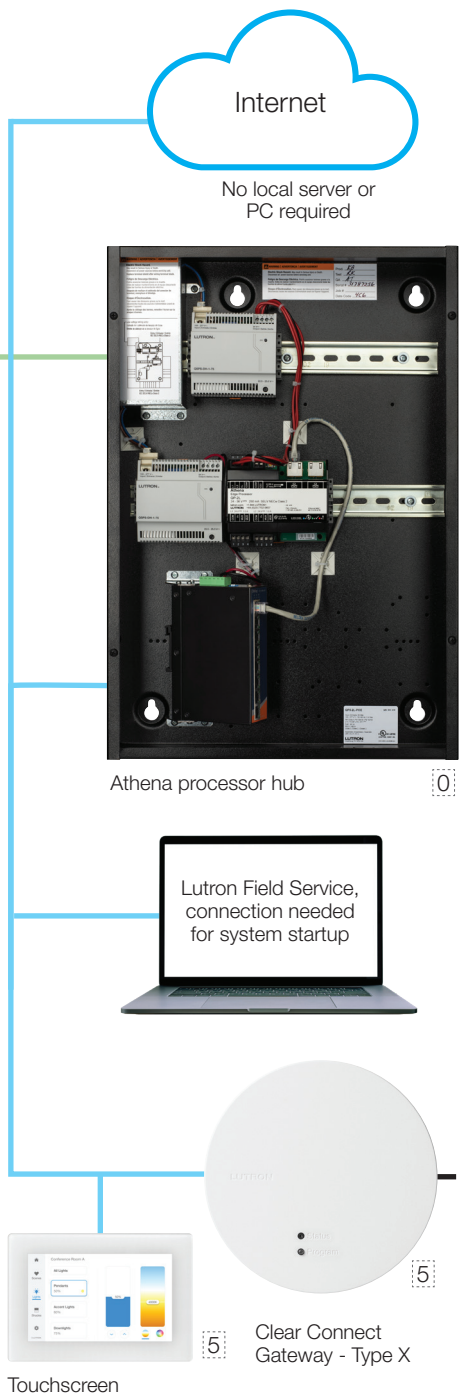
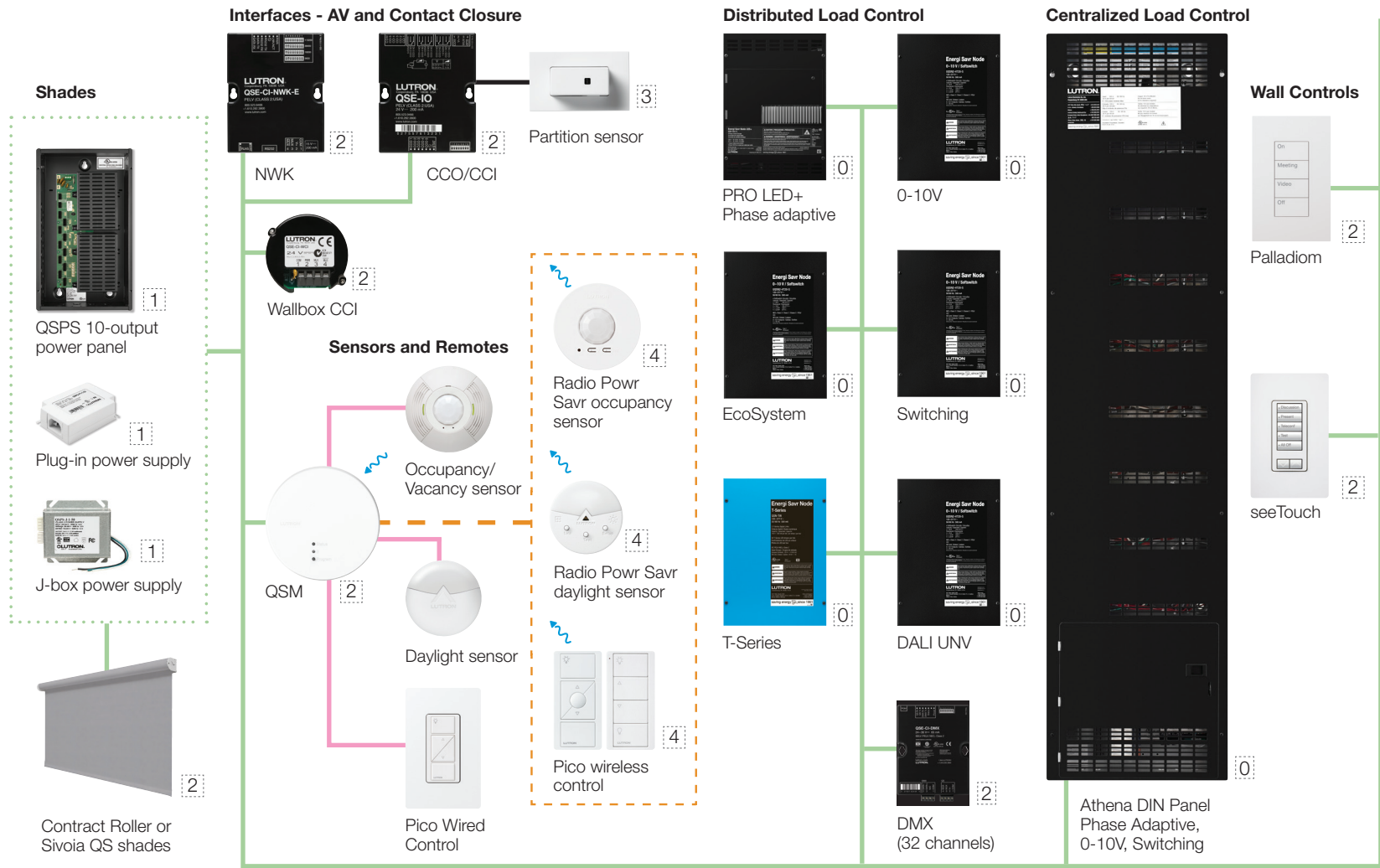


QS Wired Link

- **QP5-2L and QP5-4L:**
99 QS devices per link
512 switchlegs per link*
- **QP6-1L and QP5-1L:**
25 QS devices per link
256 switchlegs per link*
- 2,000 feet maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable**

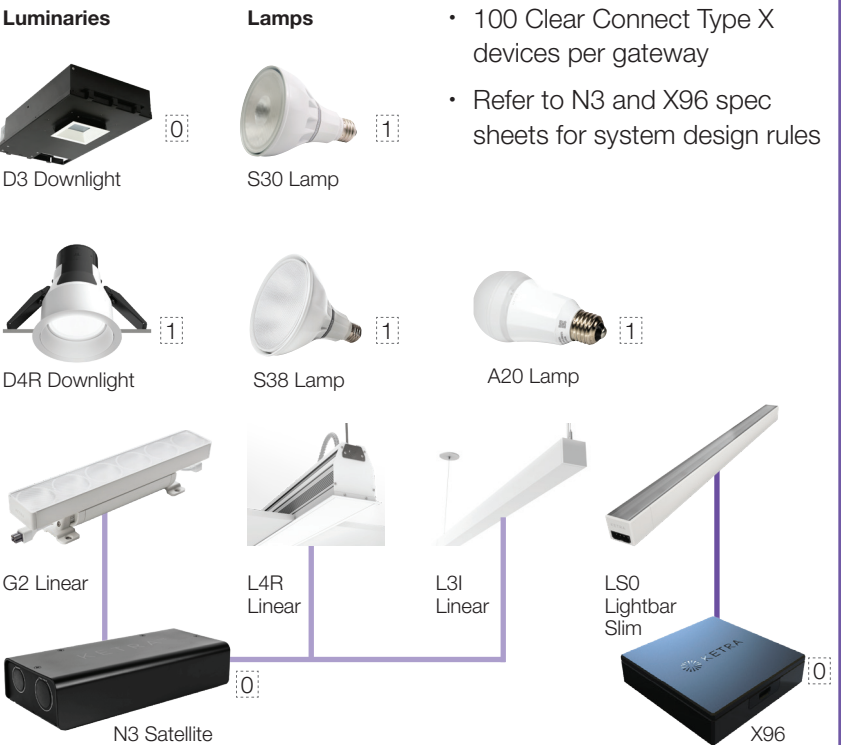


Mobile app

Lutron App

The Lutron App communicates with connected Athena processor hubs via the cloud. The app interface shows various controls for different zones and devices.

Clear Connect Wireless - Type X



Athena System Capacities

- 16 total Athena Edge Processors and Clear Connect Type X Gateways (max, any combination)
 - 16,384 switchlegs (max, excluding Ketra)*
 - 1500 Ketra devices (max)***
- * A switchleg is the smallest controllable point on any product - a single CCO, a zone of 0-10V, or a single digital address for a fixture.
- *** An N3 and an X96 counts as 1 device regardless of the amount of fixtures connected to it.

Key - Wiring

- QS Wired Link****
- QSM Wired Sensor Link**
- Clear Connect Wireless-Type A Link**
- Ketranet PLC**
- X-96 Wired Link**
- Clear Connect Wireless - Type X Link**
- System Ethernet Link** — Ethernet connection between processors and Clear Connect Type X Gateways to the internet required for system startup and app function.

**Pin-out: pin 1 - common, pin 2 - VDC, pin 3 - MUX, pin 4 - $\overline{\text{MUX}}$

GRX-CBL-346S-500 (runs up to 500ft): one pair 18AWG, one pair #18-22AWG twisted/screened

GRX-CBL-46L (runs up to 2000ft): one pair 12AWG, one pair #18-22AWG twisted/screened

RS-485, 24 - 35VDC powered

The wire gauge required for shade power conductors is dependent on shade size and number, wire run length, and power supply type being used. Consult technical specifications of shade equipment for details.

This document is a system architecture overview. Please refer to system and product spec sheets for complete details.

Key - Power

- 0 120 or 277VAC
- 1 Line voltage 120 VAC
- 2 Low voltage 24-35 VDC
- 3 Plug-in transformer
- 4 Battery powered
- 5 Power over Ethernet (PoE)