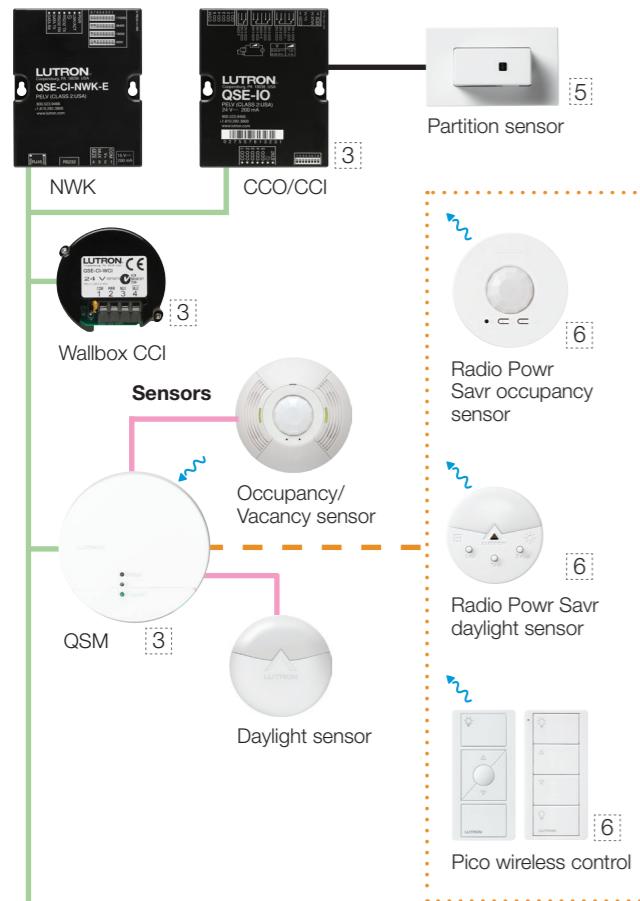


ATHENA System Architecture

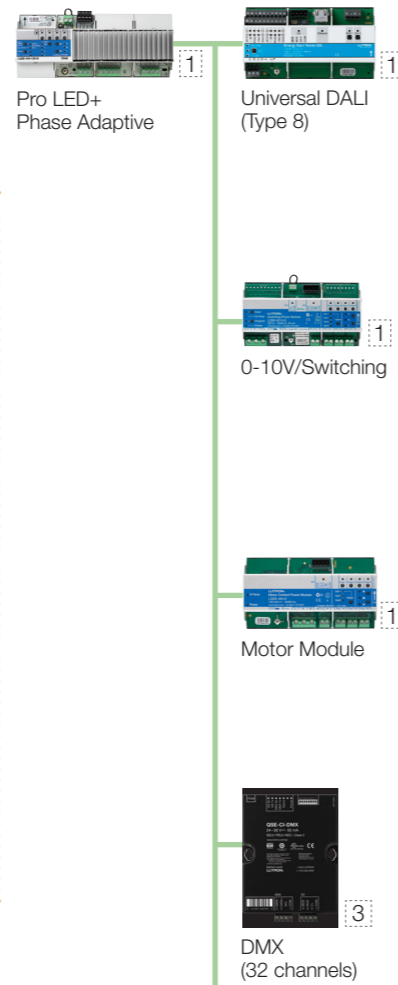
QS Wired Link

- **QP5-2L and QP5-4L:** 100 QS devices per link
512 switchlegs per link
- **QP6-1L and QP5-1L:** 25 QS devices per link
256 switchlegs per link
- 610 square meters maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable*

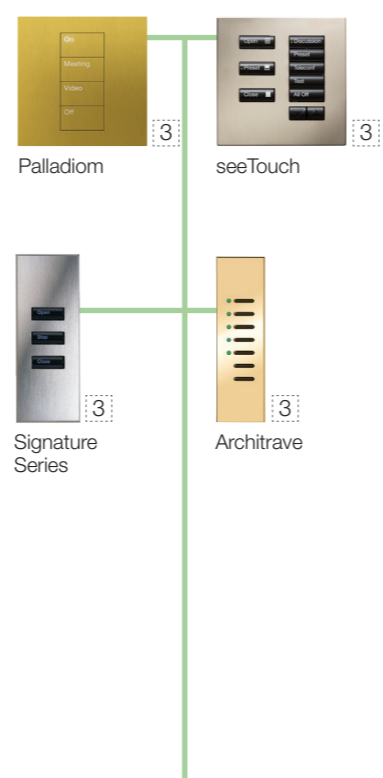
Interfaces - AV & Contact Closure



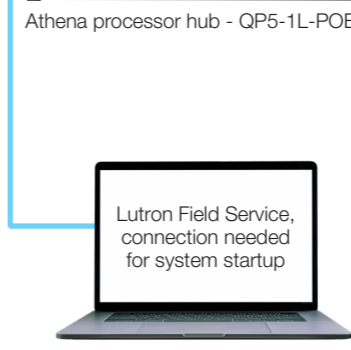
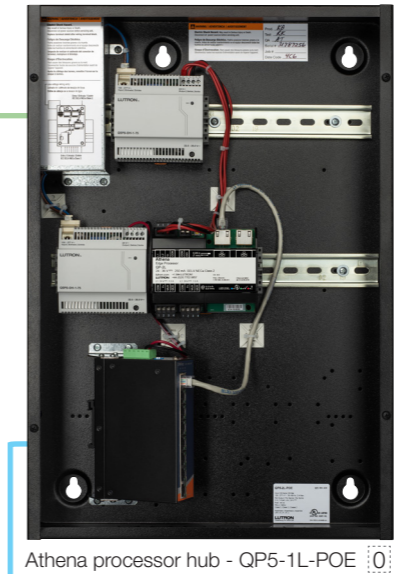
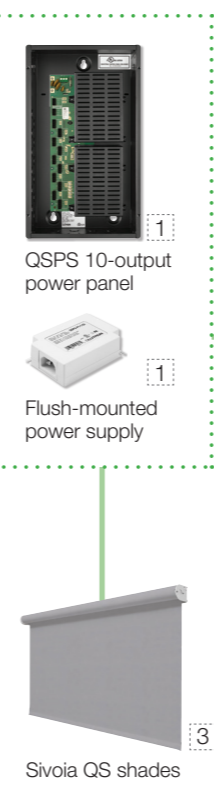
Distributed Load Control



Keypads



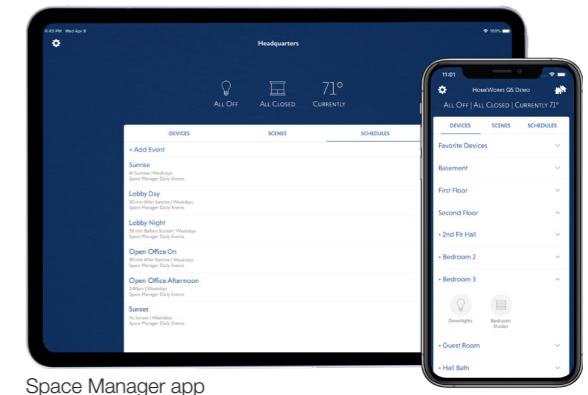
Shades



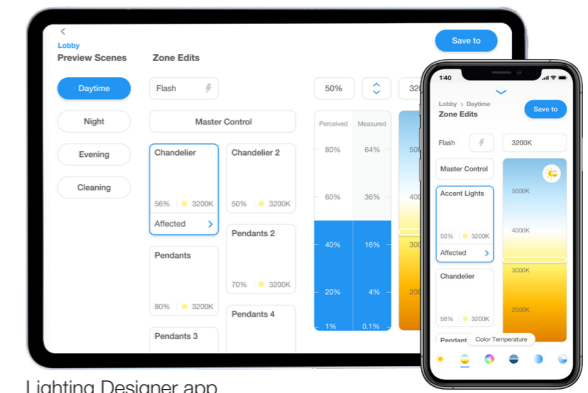
Internet OR Local Network
No local server or PC required

Mobile app

Apps



Space Manager app



Lighting Designer app

Athena System Capacities

- 16 Athena Edge processors (max)
- 5,120 switchlegs

* A switchleg is the smallest controllable point on any product - a single CCO, a zone of 0-10V, or a single DALI address for a fixture.

Key - Wiring

- QS wired link***
- QSM Wired Sensor link**
- Clear Connect - Type A link**
- System Ethernet link** — Ethernet connection between processors gateways required for system startup and function

*Pin-out: pin 1 - common, pin 2 - VDC, pin 3 - MUX, pin 4 - MUX

- QS-CBL-LSZH (runs up to 153 m) one pair: 1.0 mm², one pair: 0.5 mm² twisted/shielded
- GRX-CBL-346S-500 (runs up to 153 m) one pair: 1.0 mm², one pair: 0.5 mm² twisted/shielded
- GRX-CBL-46L (runs up to 610 m) one pair: 4.0 mm², one pair: 0.5 mm² twisted shielded
- 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.

Key - Power

- 220-240VAC
- Low voltage 24 VAC
- Low voltage 24-35 VDC
- Low voltage 12VDC
- Plug-in transformer
- Battery powered
- Power over Ethernet (PoE)

