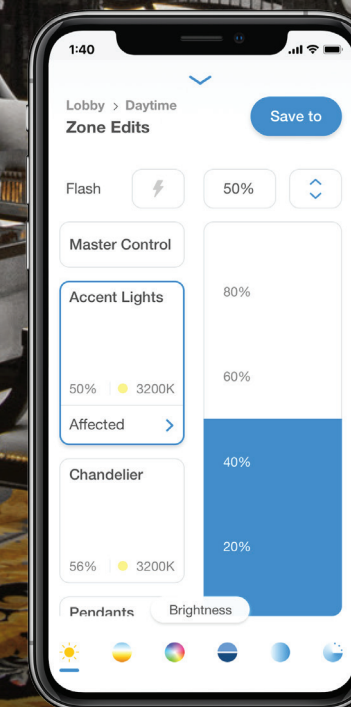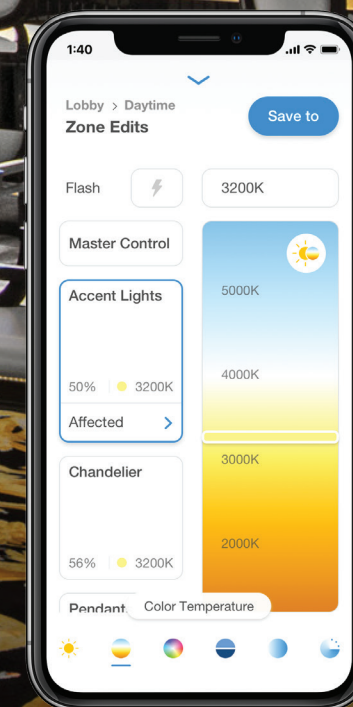# INTRODUCING **ATHENA**

The dynamic lighting control system that brings the magic of light to everyday moments

- **Flexible, simple, all-in-one solution** to control any light source with intelligent shades
- Design without compromise - use **any fixture** you like and **all load types** in a single system
- **Connected apps** deliver a holistic light experience

Static white **Tunable white**

LUTRON

ATHENA

From galleries and museums, to high-end restaurants and hotels, curate lighting scenes that bring your visions to life.

Workplace

Support workplace well-being with comfortable, natural light. Stay **flexible** with agile solutions that evolve with changing business needs.
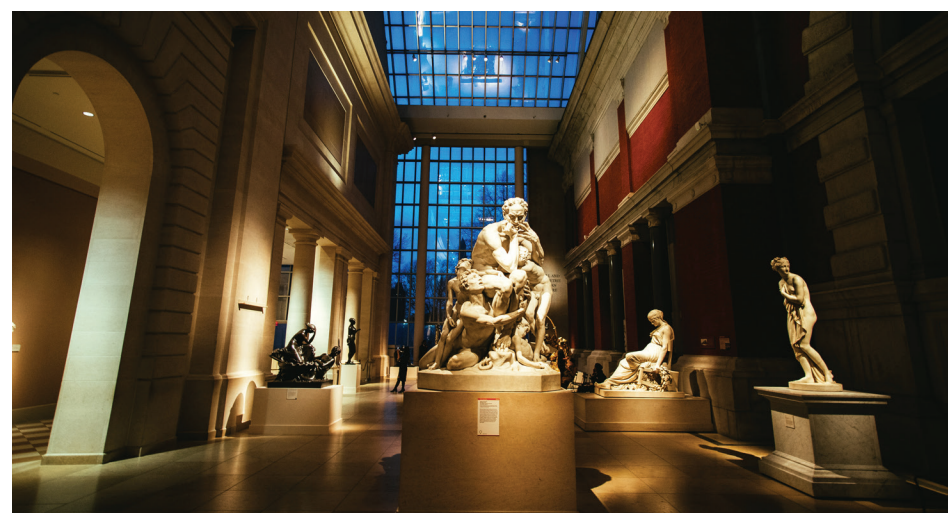
Retail

Show **merchandise in its best light** with dynamic light control of both intensity and color temperature. Create **visual interest** by utilizing the fixture selection of your choice, all controlled by one system.

Galleries and museums

Show art in historically accurate light, or enhance with color temperature. Easily **change zones and scenes** as exhibits rotate.
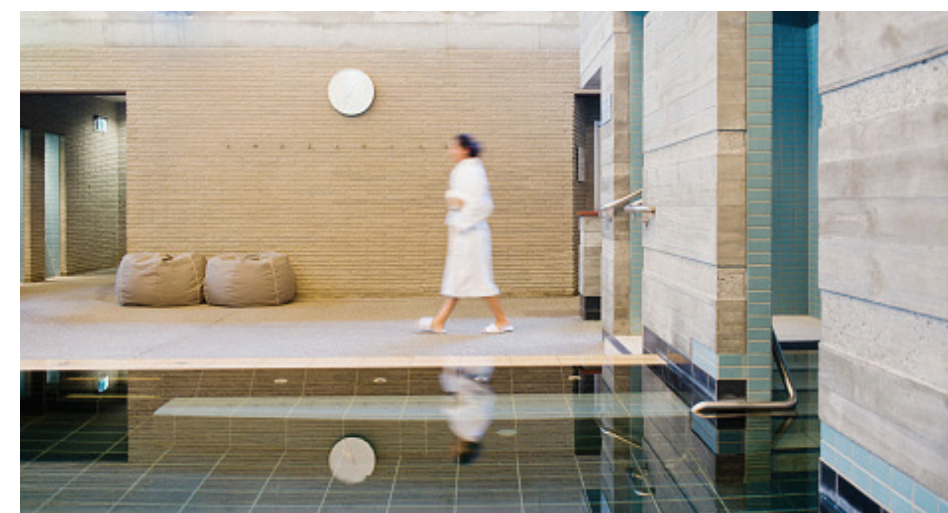
Hotels

Create a **luxurious space** where guests want to spend time – and money. With the easy-to-use app, it's **simple for staff** to create memorable experiences on property and quickly adjust lighting for events.

©Eric Laignel

Restaurant

Nurture a mood with deep dimming and dynamic color temperature. Enhance the **appearance of food** and décor, as menus and seasons change.

Self care

Support an **immersive sensory experience** with dynamic light. **Customize studios and treatment rooms** for a client, a service, or your brand.

⁂LUTRON

ATHENA

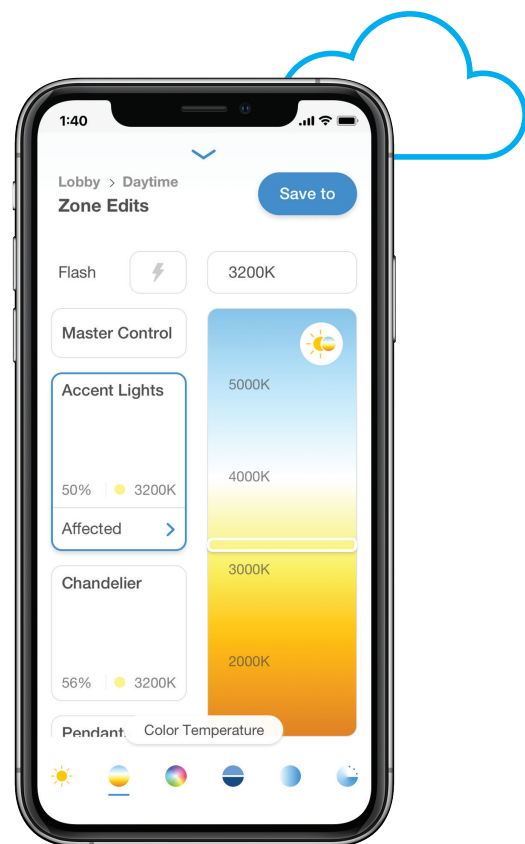All-in-one solution with a range of options and aesthetics.

SOFTWARE

Lighting designer app

- Easily design and refine — precision fine-tuning of color temperature, intensity, and more

Space manager app

- Quickly change lighting scenes, timeclock events, and shade positions

LIGHTS. BLINDS. CONTROLS.

Range of Controls — Touchscreen, Keypads, Personal, and Touchless

- Touchscreen, keypads and wireless remotes, flexible sensors, I/O and A/V interfaces

Lights and blinds work together seamlessly

- Preserve view, mitigate glare, ultra-quiet operation, hembar alignment, broad fabric selection
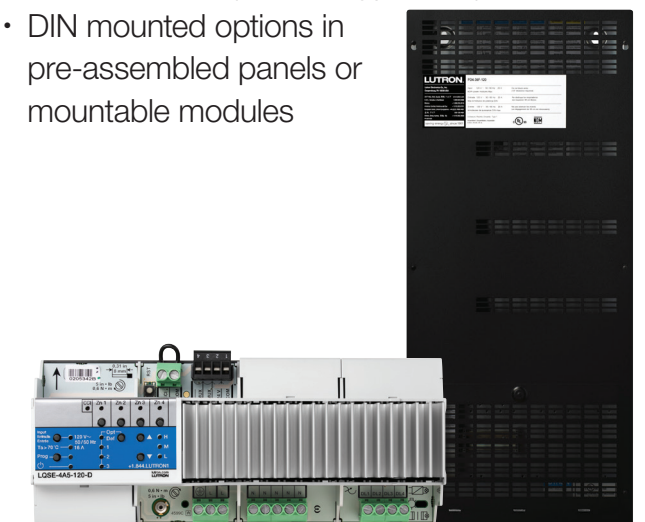
BACK OF HOUSE

Right-sized hub

- Small and large spaces
- Built for the cloud
- Automatic software upgrades

Any source, fixture, load type, and protocol

- ESN Pro LED+ Phase Adaptive, 0-10V, DALI-2
- Universal DALI (DALI-2, Type-8 Tc)
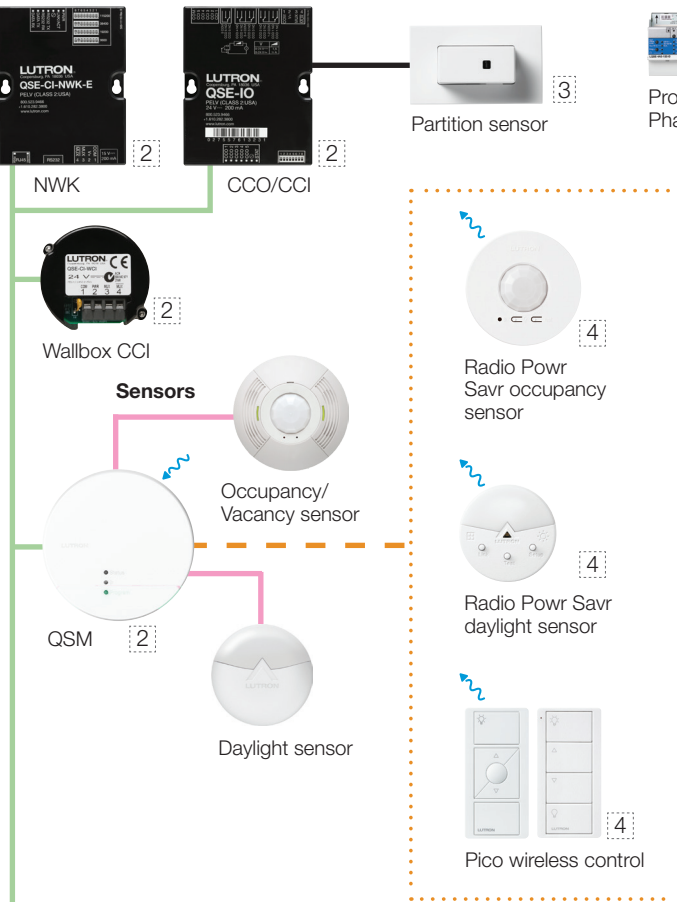- DIN mounted options in pre-assembled panels or mountable modules
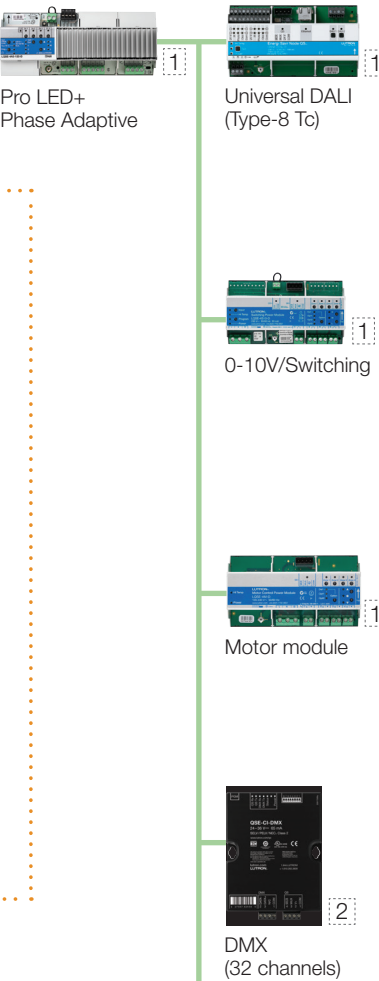
ATHENA System architecture

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
- 610 m maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
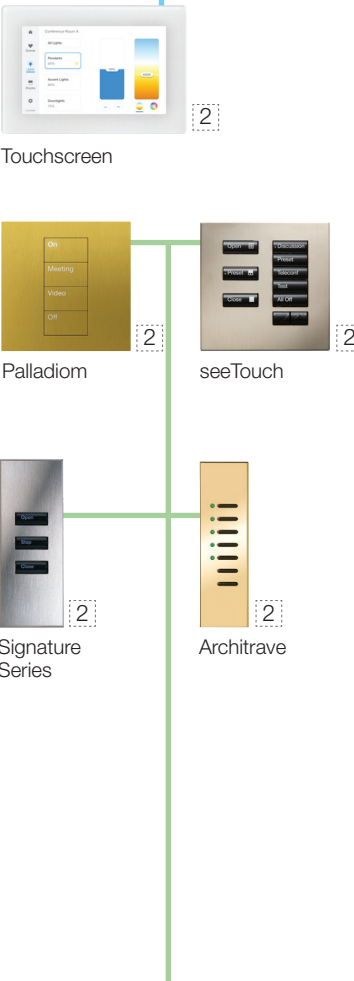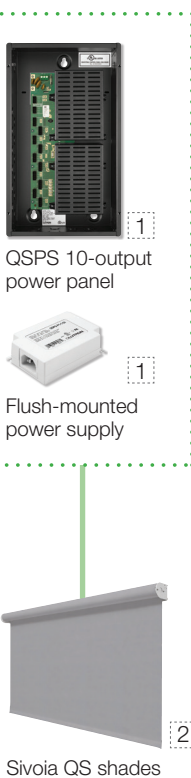- Standard Lutron 4 conductor cable*

Interfaces - AV & contact closure

LUTRON QSE-CI-NWK-E
NWK [2]

LUTRON QSE-IO
CCO/CCI [2]

Partition sensor [3]

LUTRON
Wallbox CCI [2]

Sensors

Occupancy/Vacancy sensor

QSM [2]

Daylight sensor

Radio Powr Savr occupancy sensor [4]

Radio Powr Savr daylight sensor [4]

Pico wireless control [4]

Distributed load control

Pro LED+ Phase Adaptive [1]

Universal DALI (Type-8 Tc) [1]

0-10V/Switching [1]

Motor module [1]

DMX (32 channels) [2]

Keypads

Touchscreen [2]

Palladiom [2]

seeTouch [2]

Signature Series [2]

Architrave [2]

Shades

QSPS 10-output power panel [1]

Flush-mounted power supply [1]

Sivoia QS shades [2]

Internet or local network
No local server or PC required

Athena processor hub - QP5-1L-POE [1]

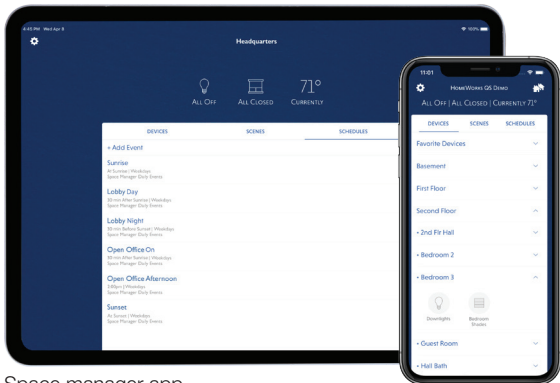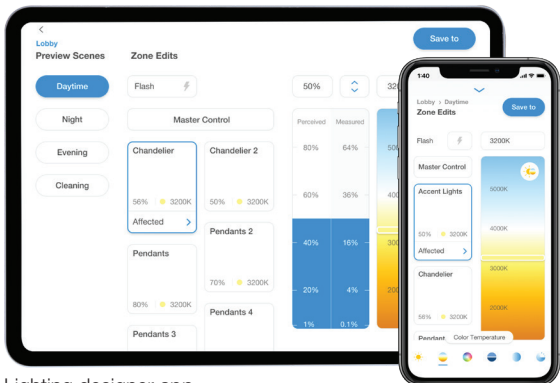Lutron Field Service, connection needed for system startup

Mobile app

Apps

Space manager app

Lighting designer app

Athena system capacities

- 16 Athena Edge processors (max)
- 16,384 switchlegs max
- * 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 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 - 35 VDC 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

[1] 220-240VAC

[2] Low voltage 24-35 VDC

[3] Plug-in transformer

[4] Battery powered

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