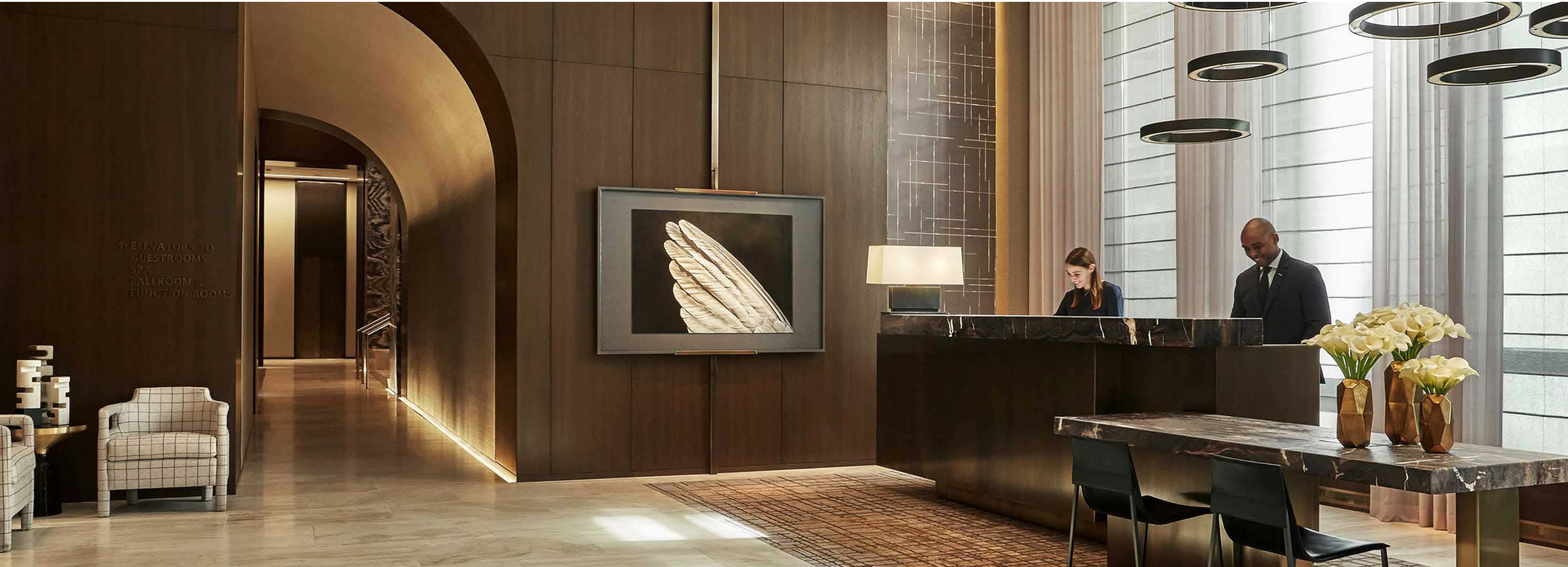# Lutron Hospitality Solution

Operational excellence. Refined experience. Engineered for what's next.

LUTRON

Our Commitment

Lutron hospitality solution—it's more than a system; it's an idea, a new way of thinking. A vision of the future, a testament to our passion, and a fulfillment of a promise. The Lutron Hospitality Solution leverages Lutron's category-defining integrated systems and latest cloud-connected technology to streamline building control and management.

Unified Experience

Different spaces in a property demand varying levels of control. The new, cloud-connected Lutron Hospitality Solution integrates the entire property under a single platform to simplify and improve property management.

Courtesy of The Ritz-Carlton, Mexico City

Residences

The HomeWorks and RadioRA 3 systems introduce uncompromising design to next-level home integrations.
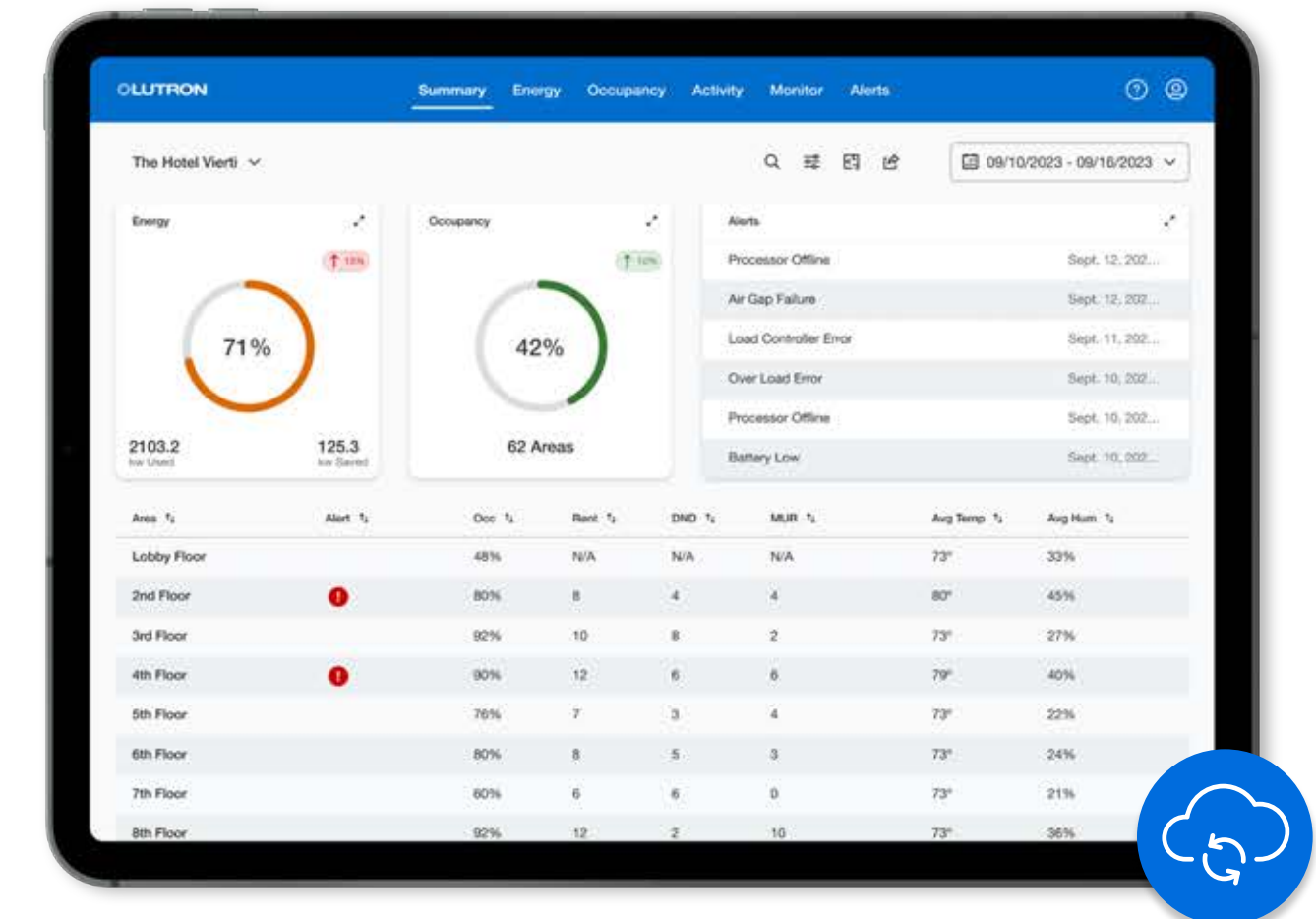
Guestrooms

The myRoom XC system makes world-class guestroom experiences second-nature.

Public Spaces

The Athena system delivers stand-out spaces that attract guests in lobbies, restaurants, event venues, ballrooms, and other public spaces.

Lutron Dashboard

A single dashboard for the entire property – cloud-connected and accessible from anywhere with a single log-in.
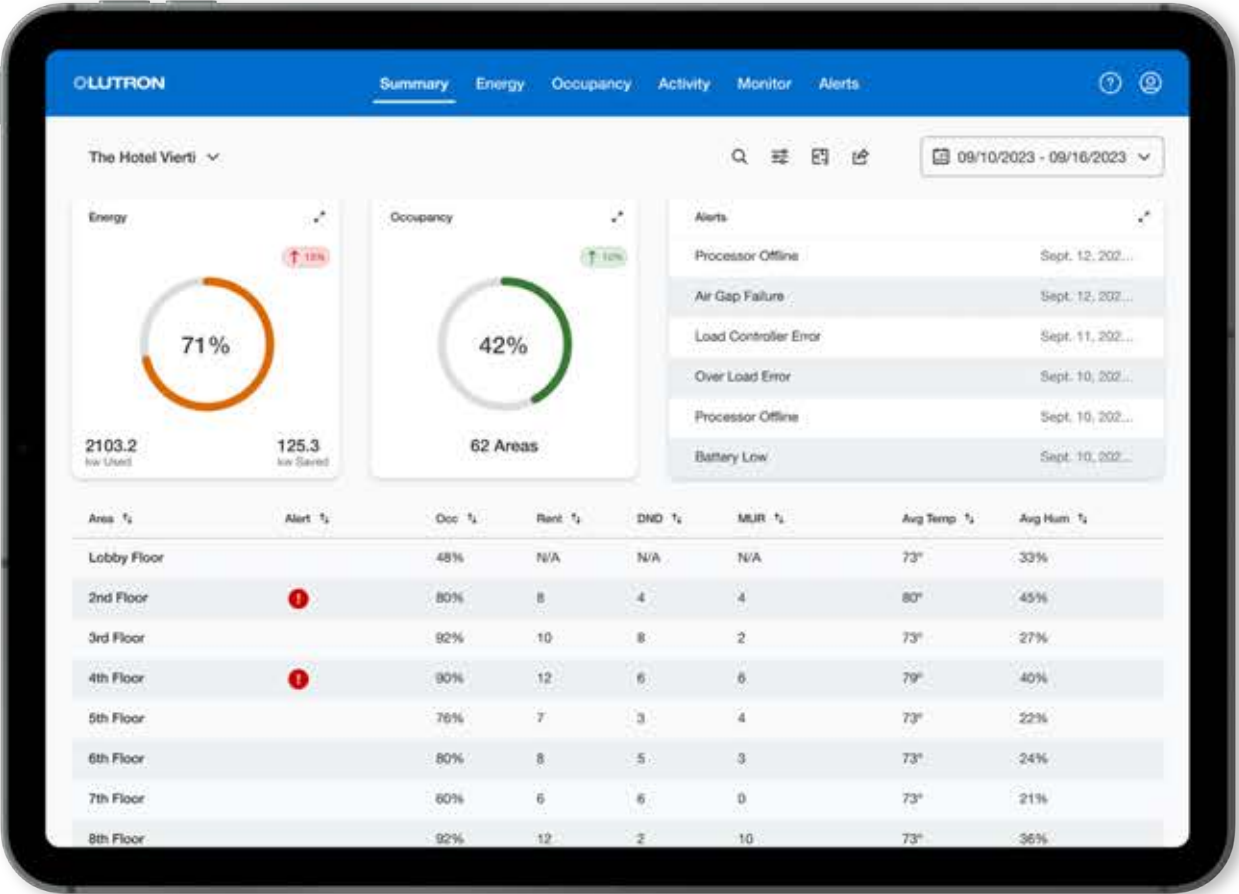
One Centralized Suite of Tools

Cloud-connected software eliminates the need for server space, accelerates decision making, and fosters an elevated client experience. The future-proof platform supports both remote and automated updates, ensuring your system is always current.
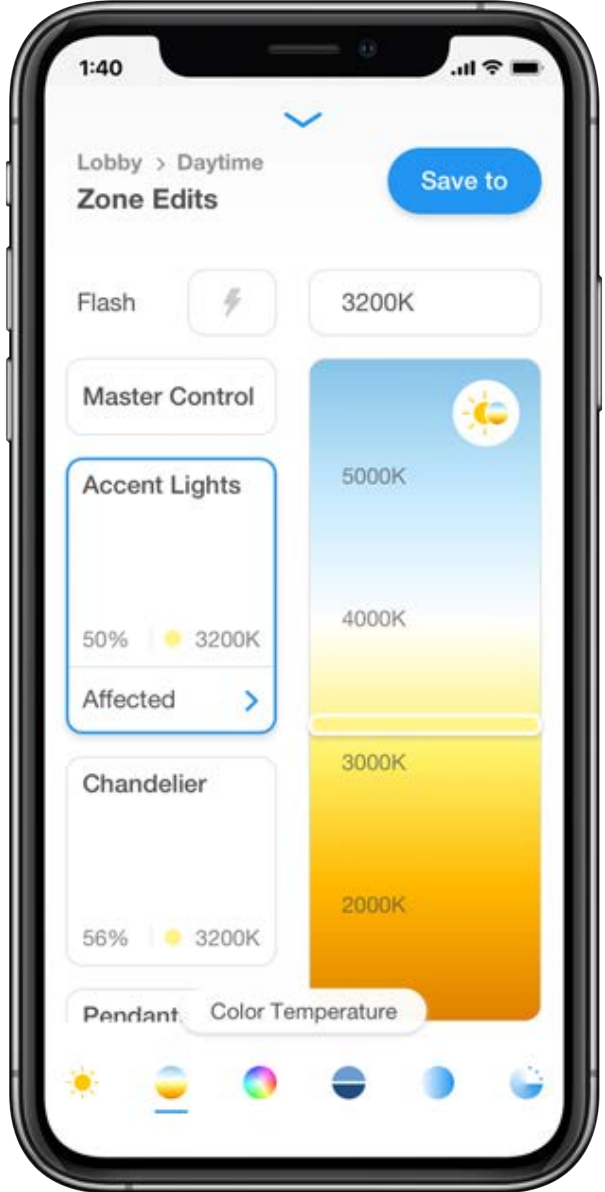
Lutron Dashboard

Streamlines building management at scale

Powerful analytical software that visualizes complex data in customer-friendly reports.

Lutron App

Real-time, on-the-go control

Intuitive lighting design and mobile control for public spaces.

System Integrations

Smart connectivity to industry leaders

Responsive, reliable, and secure third-party integrations.

Lutron Dashboard

Turn cloud-collected data into actionable insights. Manage your entire property at scale.

Save Energy
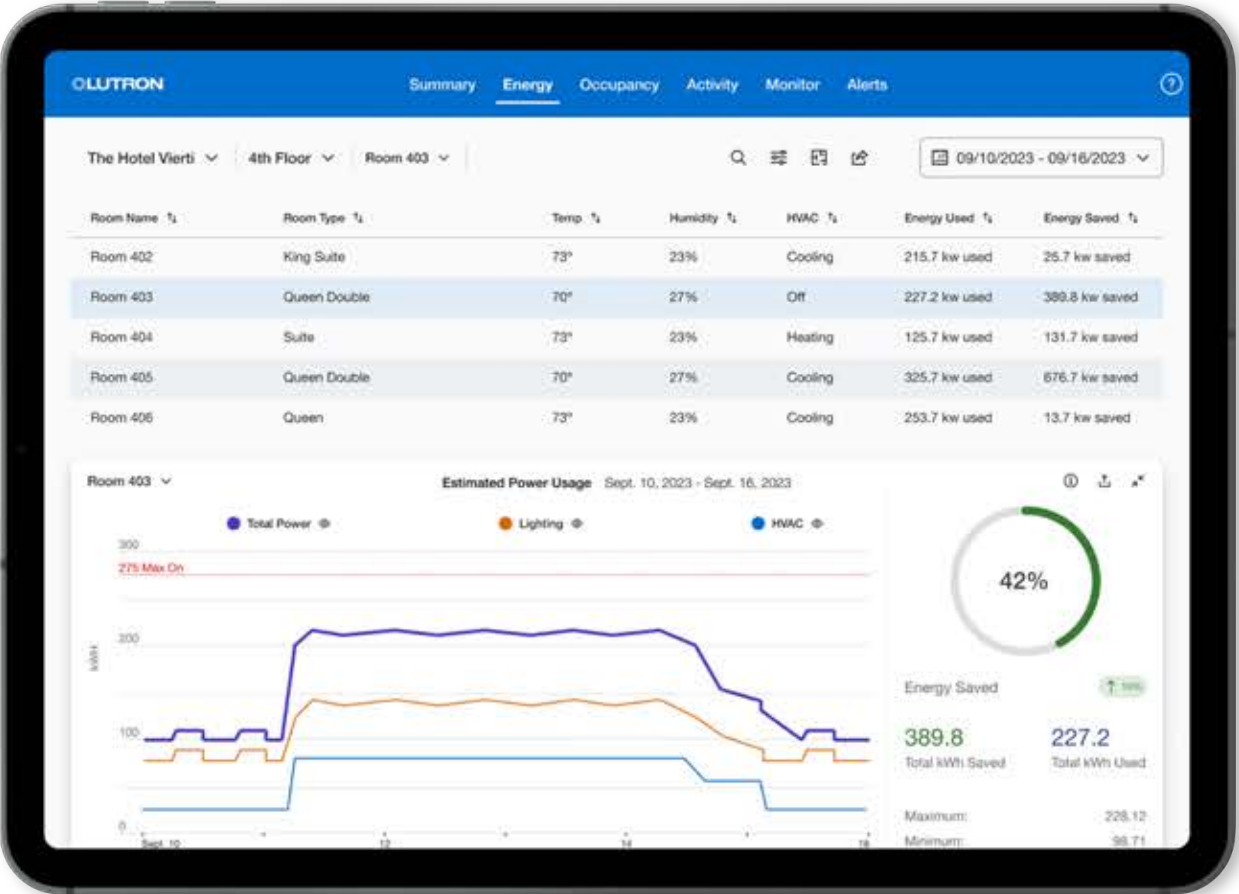
Access real-time and historical energy use by building, floor, and room to enhance energy efficiency.

Optimize Space Use
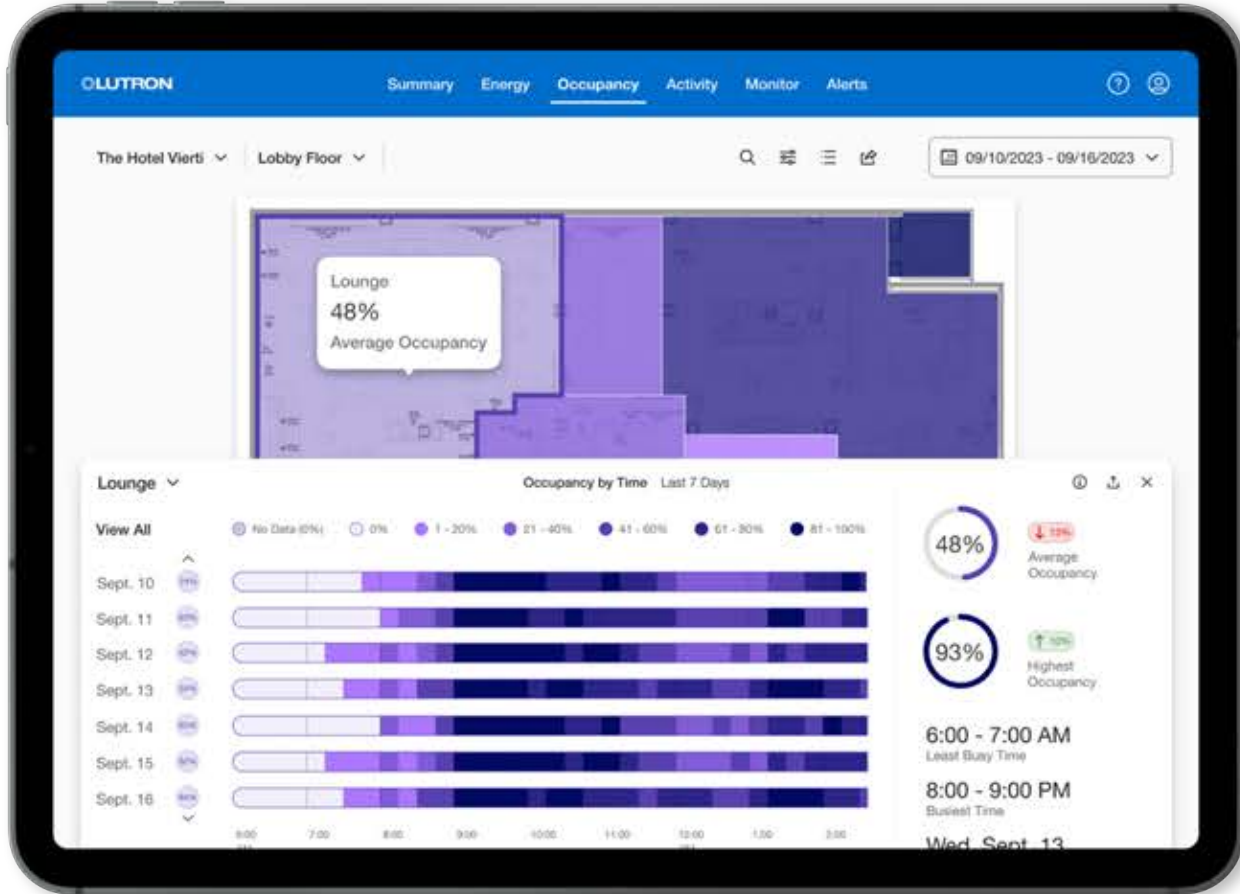
Compare room-performance trends to make strategic real-estate and space-use decisions.

Track Alerts
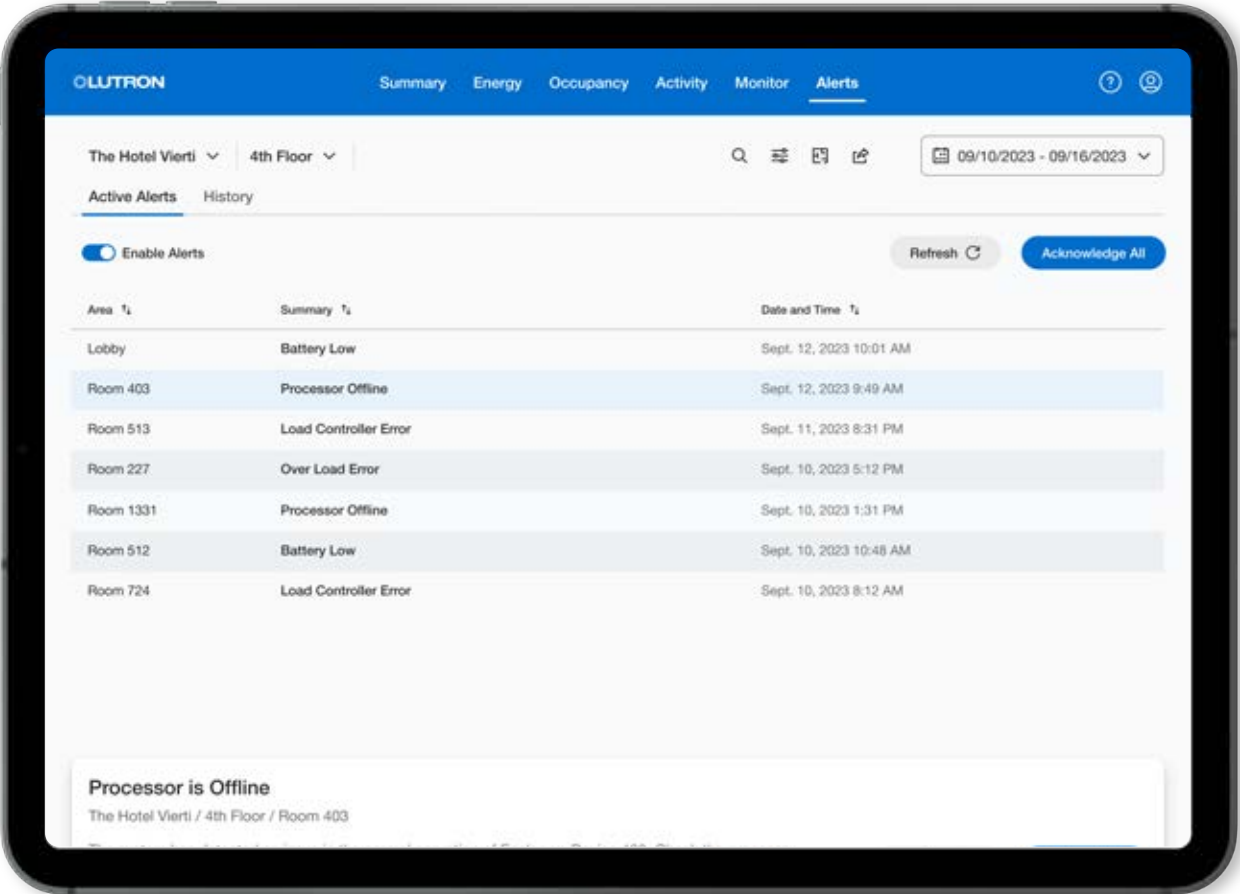
Maximize uptime – system alerts and notifications help you to anticipate and quickly troubleshoot issues.

Lutron App

Create sophisticated lighting experiences from the touch of a button with Athena.
Program lighting in real time, any time, from anywhere.

Customize Programming
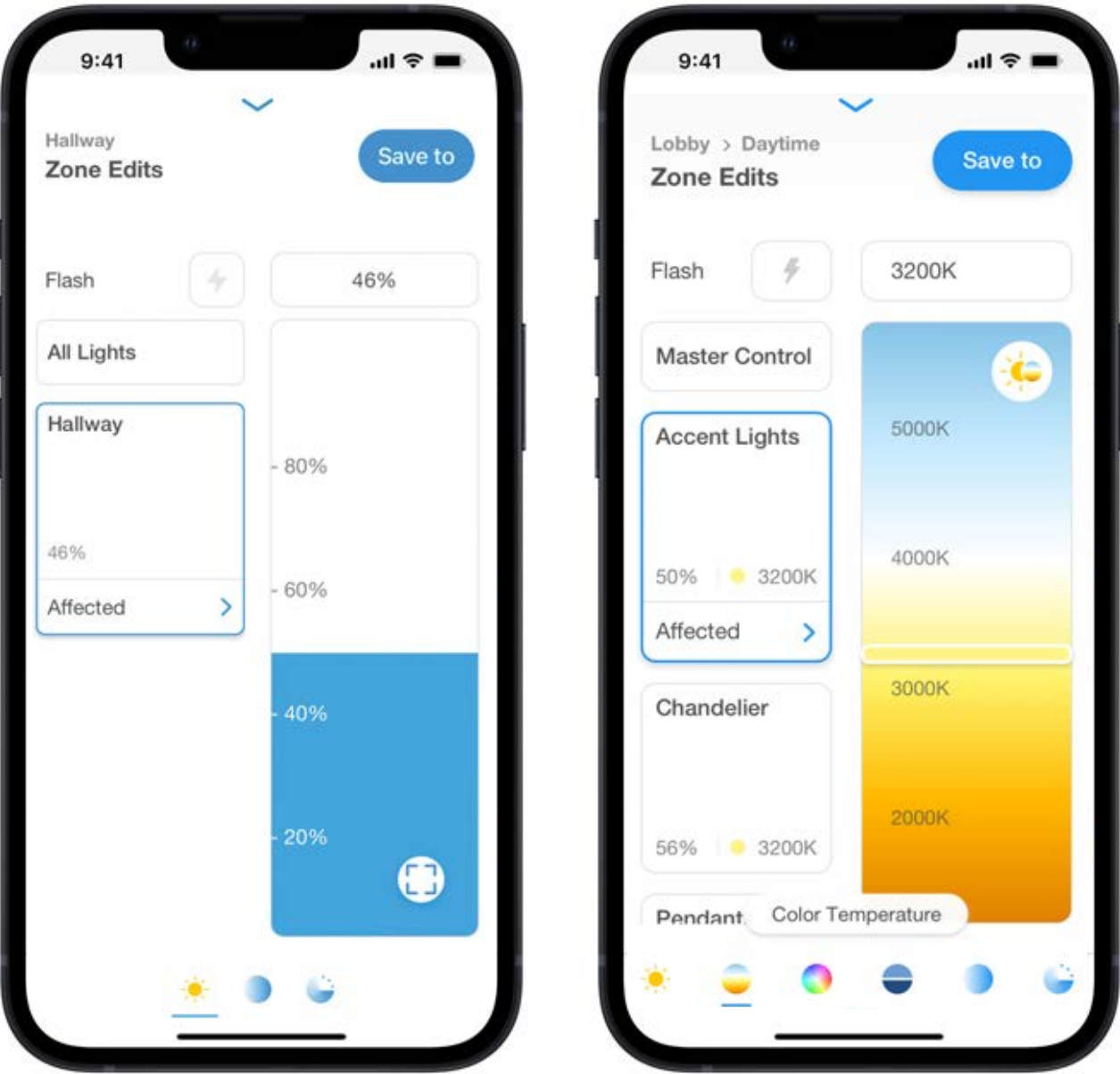
Promote your ability to customize lighting levels, color temperature and saturated color for extraordinary, personalized events.

Manage Lighting Operations
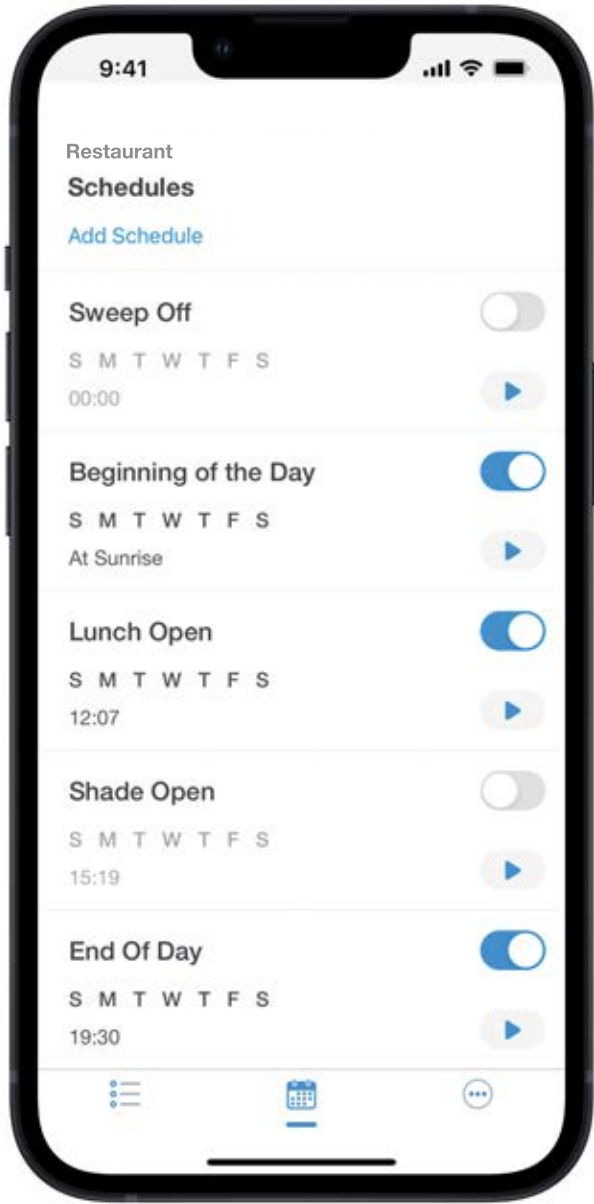
App-based control ensures property managers can focus on lighting scenes and schedules, and your staff stays focused on the guest experience.

Simplify Setup

Programming is intuitive, and limited only by your imagination. Easily fine-tune, edit, and save lighting scenes.

System Integrations

Locks, climate control, and property management systems combine to simplify control across your portfolio. That's what makes a smart hotel truly intelligent.

Central Electronic Locking Systems (CELS)

Saflok   SALTO   ASSA ABLOY

Hotel Operations

actabl   AMADEUS

Property Management Systems (PMS)

htng AHLA   ORACLE   infor   protel   OnQ

In-room tablets/Apps

INTELITY   digivalet   OKKAMI   IRIS   runtriz

HVAC

MITSUBISHI ELECTRIC   LG Electronics   DAIKIN

Building Management Systems

ASHRAE BACnet

Whole Hotel System Diagram

Typical Residences Floor

HomeWorks

Lighting   Energi Savr Node   Shades   Controls   Temperature   Processor

IDF Switch 55

Typical Guestroom Floors

IDF Switch #

Second Floor – Guestrooms

myRoom XC

Energi Savr Node   Shades   Temperature   Controls   Processor

IDF Switch 2

Remote Support

First Floor–Lobby

Lutron Connect
(Cloud Connected)

Firewall

CORE Switch   Wifi Router

Athena

Energi Savr Node   Shades   Controls   Processor Panel

Integration Appliance   Lutron Dashboard (Desktop/Laptop)   Lutron Dashboard   Lutron App
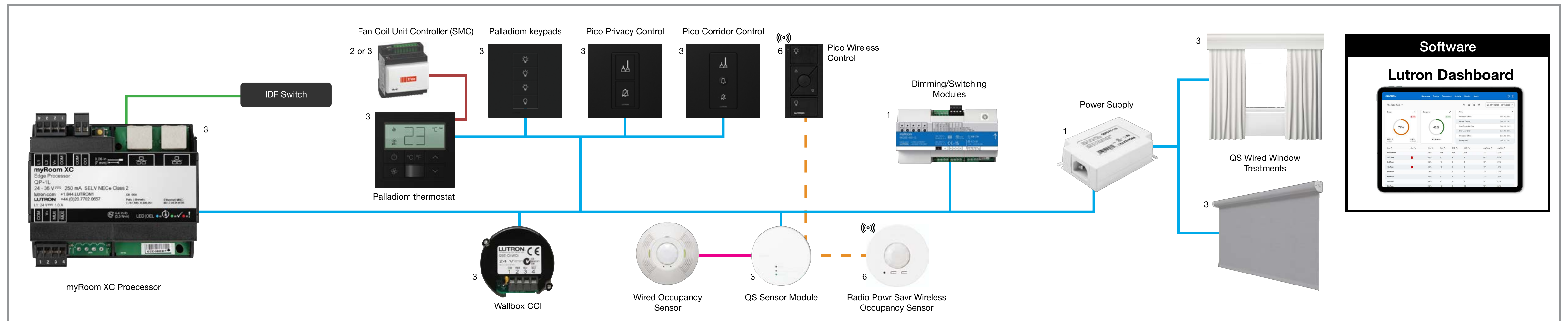
myRoom XC

myRoom XC delivers guestroom control for the next generation of Lutron Hospitality. Lights, shades, and climate control — combined into one intuitive, cloud-connected system. The future of hospitality design is here.

myRoom XC Architecture Diagram

Fan Coil Unit Controller (SMC)
Palladiom keypads
Pico Privacy Control
Pico Corridor Control
Pico Wireless Control
2 or 3
3
3
3
6
Dimming/Switching Modules
Power Supply
3
QS Wired Window Treatments
IDF Switch
3
3
1
1
3

Software

Lutron Dashboard

Palladiom thermostat
myRoom XC Proecessor
3
Wallbox CCI
Wired Occupancy Sensor
3
QS Sensor Module
6
Radio Powr Savr Wireless Occupancy Sensor

myRoom XC
Edge Processor
QP-1L
24 - 36 V≡ 250 mA SELV NEC® Class 2
lutron.com +1.844 LUTRON1
+44.(0)20.7702 0657

Contact Closure Control

- Magnetic contacts (entry door, window, balcony, closet door)
- Keycard switch for guest occupancy/vacancy
- Door chime
- 3rd-party keypads and lamp switches
- 3rd-party service and privacy controls
- 3rd-party shades
- 3rd-party thermostats (occupancy/vacancy status)

QS Wired Link

- MP-2L-GCU: 99 QS devices per link 512 switchlegs* per link
- MP-1L-GCU: 50 QS devices per link 256 switchlegs* per link

- Standard Lutron 4 conductor cable*
- Maximum link run of 610 m (2,000 ft), using 4.0 mm2 (#12 AWG) wires forpower pair; consult technical specs for other applicable rules
- Free-wire topology (star, daisy chain, home run, etc.)

Lighting Options
- 0-10V
- DALI
- Switching
- Phase Adaptive Dimming

Keypads/Control Options
- Signature Series & Architrave keypads
- Palladiom Keypads
- seeTouch Keypads

Guestroom Control Unit

- Processor link — 2 RJ-45 Ethernet ports
- 1 or 2 links per processor (RS-485) — QS wired link
- No RS-232 port
- 24 VDC powered
- Mounts in low-voltage enclosures
- Each GCU requires its own unique IP address

---

myRoom XC capacities
- 1 system can have up to 16 processors

──────── **QS wired link**
──────── **QSM Wired Sensor link**
- - - - - - **Clear Connect link**
──────── **Modbus link**
──────── **System Ethernet link**

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

Power
1. Line voltage 120-277 VAC
2. Low voltage 24 VAC
3. Low voltage 24 -35 VDC
4. Low voltage 12 VDC
5. Plug-in transformer
6. Battery powered
7. Power over Ethernet (PoE)

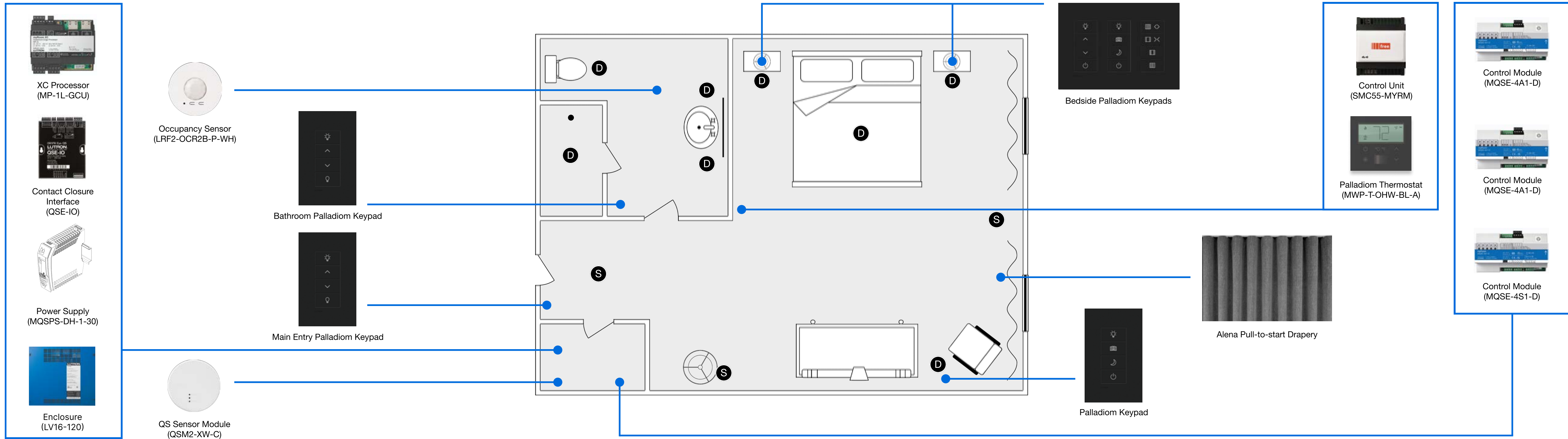# myRoom XC with Architectural Matte Palladiom Keypads & Alena Drapery

Package Includes

- (11) zones - (8) phase dimmed, (3) switched
- (5) Black Architectural Matte Finish for Palladiom Keypads and (1) Thermostat
- Contact Closures for Window Balcony & 3rd party corridor signage
- Lutron Provided Low Voltage Enclosure (DIN module Enclosure not provided)
- Integration (via Integration Device) for Property Management System (PMS), Central Electronic Lock System (CELS), and Lutron Guestroom Dashboard

- System project management and programming by the Lutron certified Hospitality Technology Integration (HTI)
- Seamless integration to Lutron Motorized Window Treatments

Shades Details:
- Alena pull-to-start drapery tracks
- Tracks for blackout & sheer draperies
- Ripplefold, center-draw & ceiling mounted

Sequence of Operations (SOO):

	Unsold Check Out	Sold Check In	Sold Occupied	Sold Unoccupied
Lights	Off	Grand welcome scene	Entry scene	Off
Temperature	Deep setback: hotel setpoint, large drift	Setback mode: hotel setpoint, no drift	Comfort mode: guest controlled, no drift	Setback mode: guest controlled, medium drift

XC Processor (MP-1L-GCU)

Contact Closure Interface (QSE-IO)

Power Supply (MQSPS-DH-1-30)

Enclosure (LV16-120)

Occupancy Sensor (LRF2-OCR2B-P-WH)

QS Sensor Module (QSM2-XW-C)

Bathroom Palladiom Keypad

Main Entry Palladiom Keypad

Bedside Palladiom Keypads

Palladiom Keypad

Alena Pull-to-start Drapery

Control Unit (SMC55-MYRM)

Palladiom Thermostat (MWP-T-OHW-BL-A)

Control Module (MQSE-4A1-D)

Control Module (MQSE-4A1-D)

Control Module (MQSE-4S1-D)

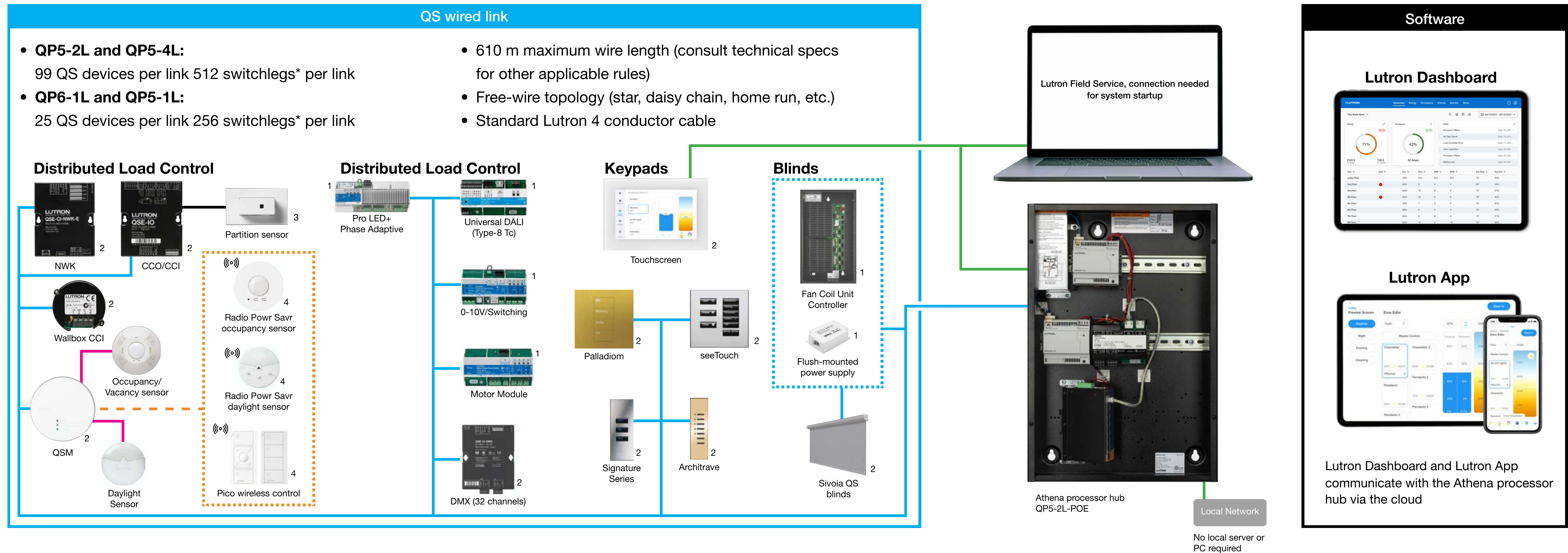D Dimmed zone   S Switched zone

Athena

Athena—a dynamic, all-in-one lighting control system that combines the magic of light with intelligent shades and connected lighting apps to enhance public spaces—and optimize operations at any property.

Athena Architecture Diagram

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

Distributed Load Control

- NWK — 2
- CCO/CCI — 2
- Partition sensor — 3
- Wallbox CCI — 2
- 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

Blinds

- Fan Coil Unit Controller — 1
- Flush-mounted power supply — 1
- Sivoia QS blinds — 2

Lutron Field Service, connection needed for system startup

Athena processor hub QP5-2L-POE

Local Network

No local server or PC required

Software

Lutron Dashboard

Lutron App

Lutron Dashboard and Lutron App communicate with the Athena processor hub via the cloud

---

Athena system capacities

- 16 Athena Edge processors (max per database)
- 1600 Athena processors (max per building)

* 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.

Legend	
──	**QS wired link**
──	**QSM Wired Sensor link**
┄┄	**Clear Connect link**
──	**Modbus 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

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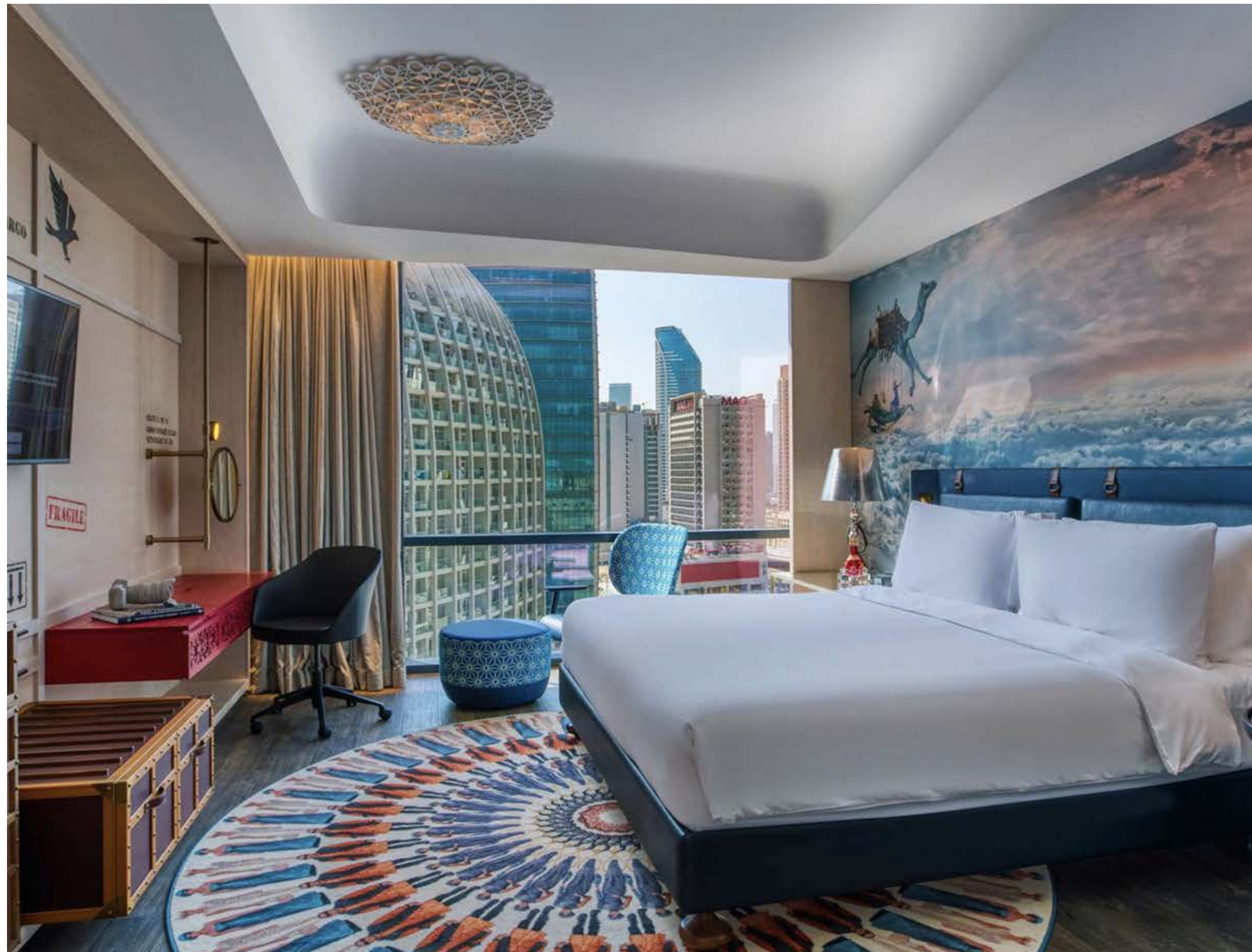7. Power over Ethernet (PoE)

Residence Integrations

Lutron Dashboard ensures you can easily manage lighting solutions across residential spaces, from rented and serviced to private residences.
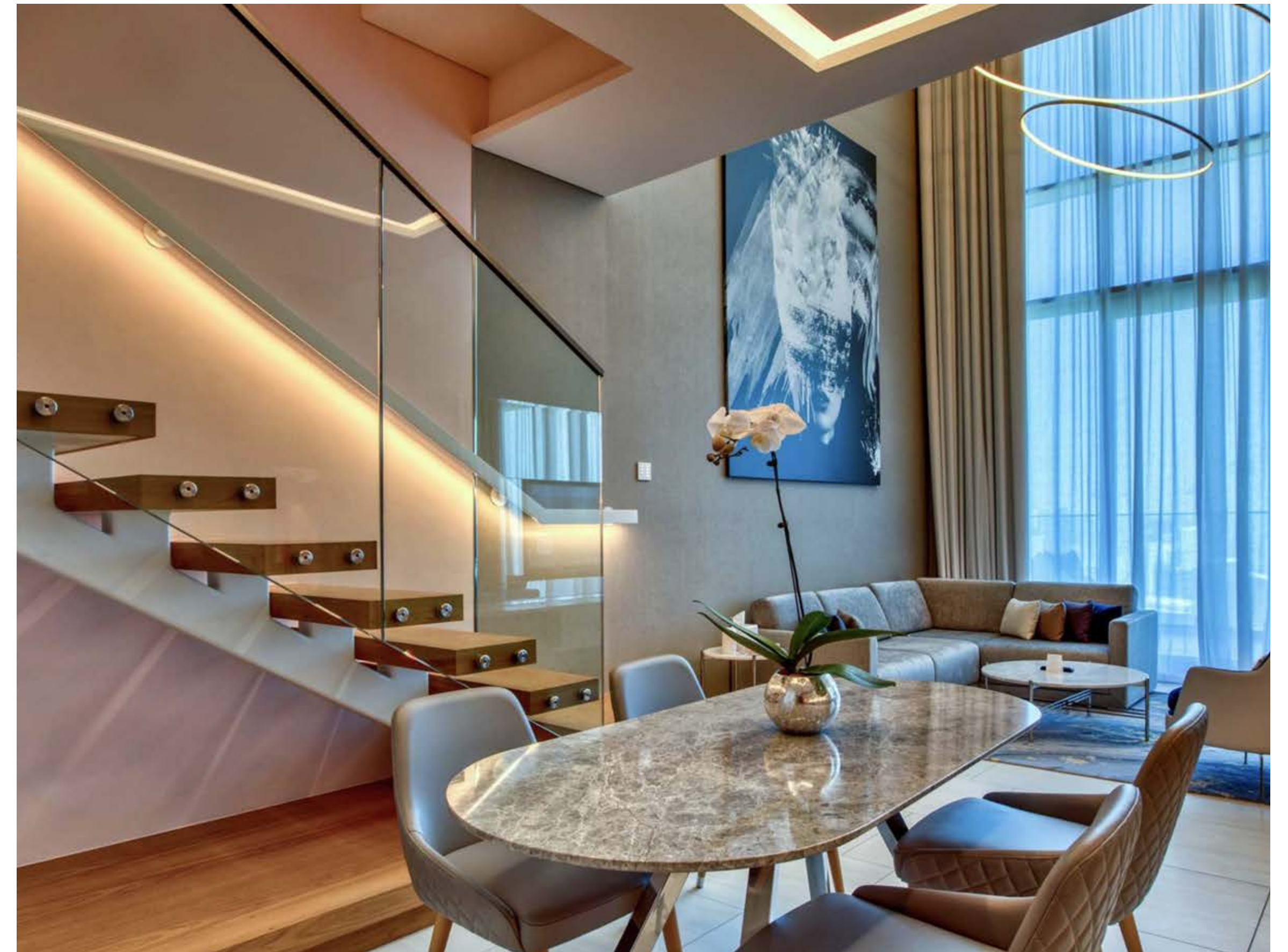
Rented

myRoom XC

Serviced or Private

RadioRA 3 and HomeWorks

The Service Difference

Lutron's factory-trained service and support team is here when you need us — and where you need us — from the initial design phase throughout the lifecycle of your project. Whether helping you remotely or on-site, our regional technicians are changemakers you can count on.

Upgrade Existing myRoom Solutions

myRoom XC is the future of guestroom control - if you have a myRoom solution on property, easy upgrades are available.

Templating Streamlines Setup

Save time and reduce cost – The templating feature easily replicates lighting designs for common room types. Program once; software applies to assigned room type.

Flexible Support: Remote or Onsite

Lutron service and support is engineered for your property lifecycle. Cloud-connected systems facilitate remote support whenever and wherever you need us.

Want more Information? Have a question?

Visit lutron.com/hospitality