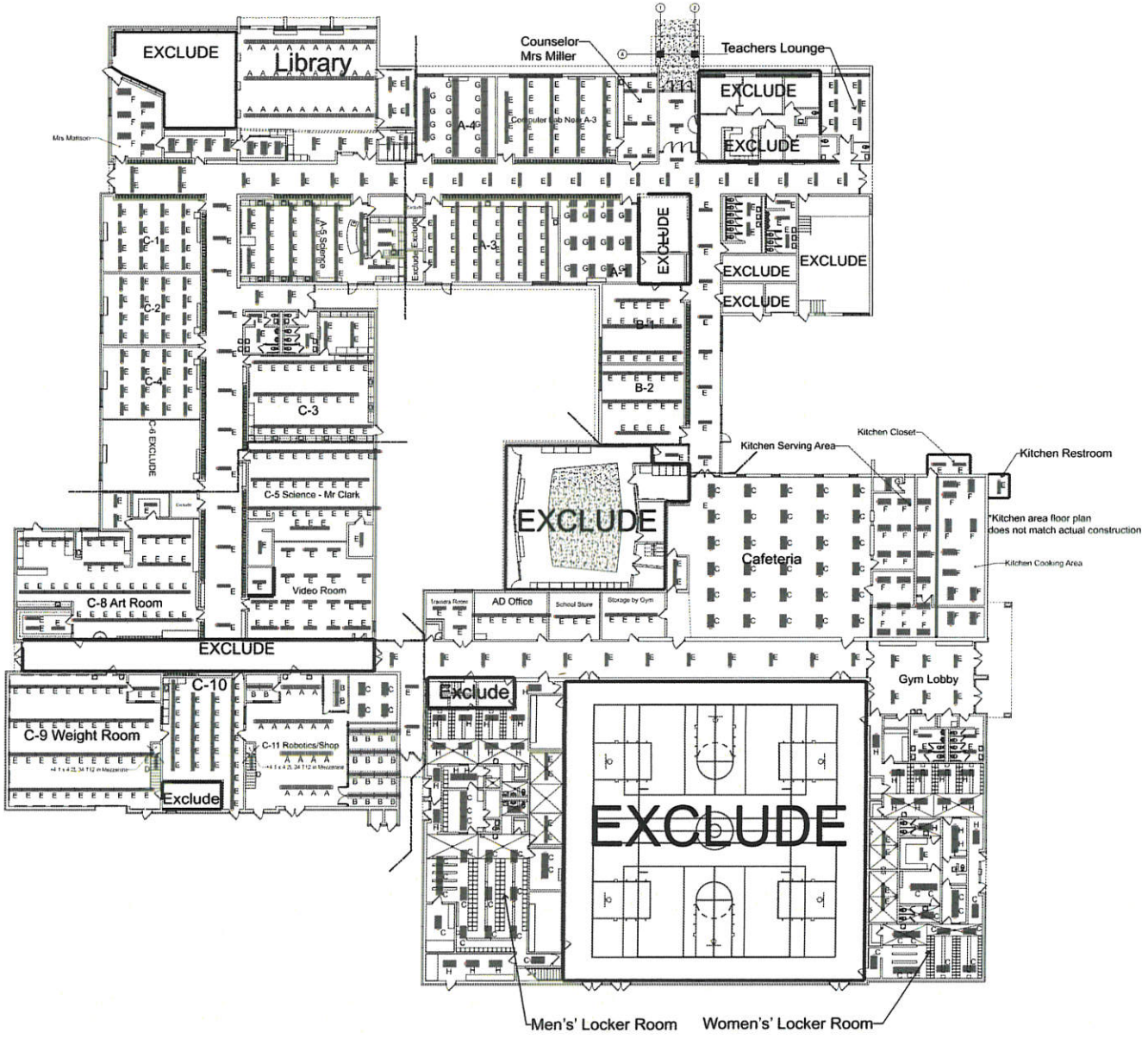
Concord High School - Existing Lighting Plan

Fixture Legend

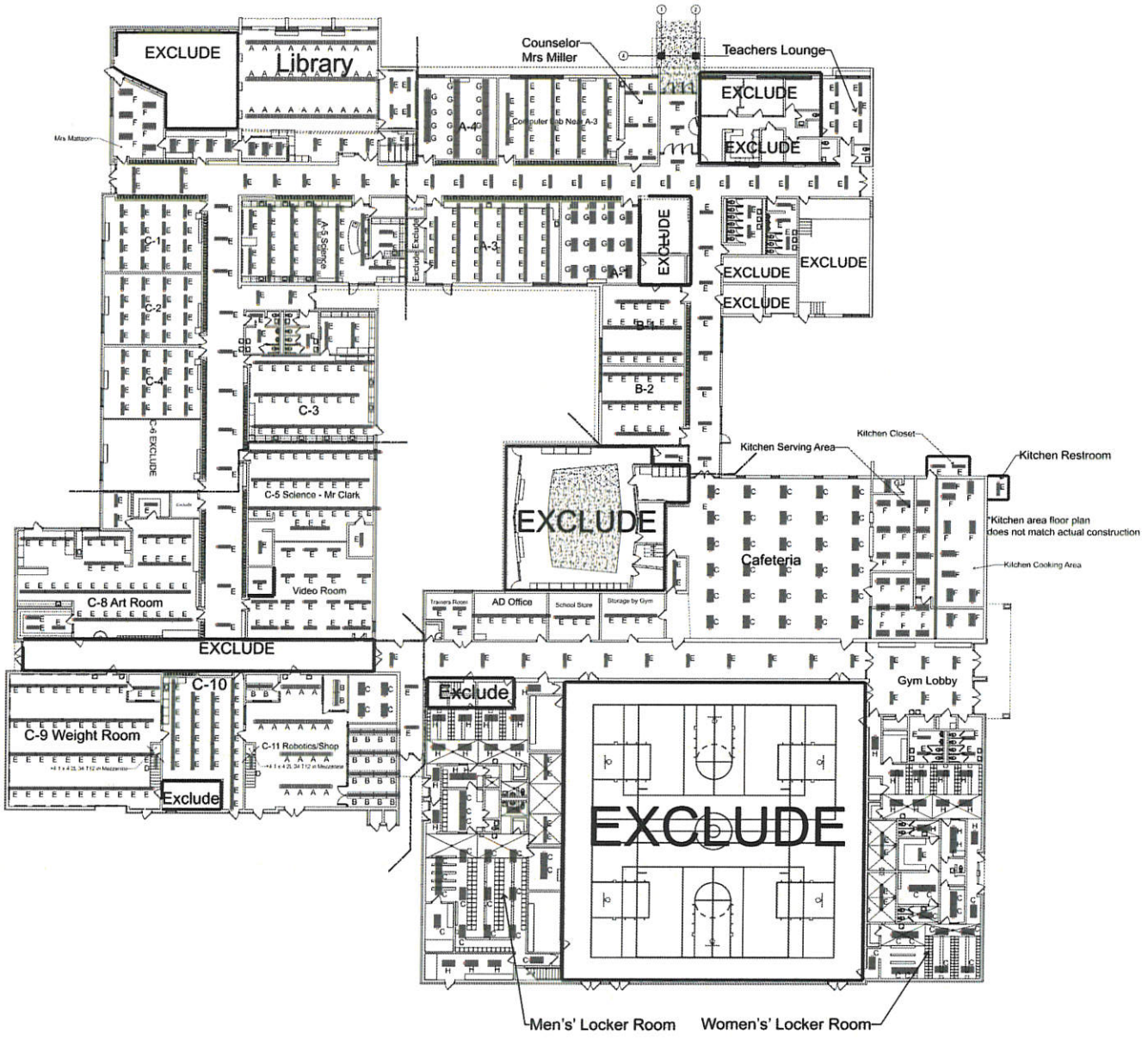
A 1 x 4 3L T8 Pendant
B 2 x 4 2L T12 LI
C 2 x 4 4L T12 LI
D 1 x 4 1L T12
E 1 x 4 2L T12
F 2 x 4 3L T8 LI
G 2 x 4 3L T12 LI
H 2 x 4 4L T8 LI
J 2 x 2 3L T8 LI



Concord High School - Existing Lighting Plan

Fixture Legend

A 1 x 4 3L T8 Pendant
B 2 x 4 2L T12 LI
C 2 x 4 4L T12 LI
D 1 x 4 1L T12
E 1 x 4 2L T12
F 2 x 4 3L T8 LI
G 2 x 4 3L T12 LI
H 2 x 4 4L T8 LI
J 2 x 2 3L T8 LI



Attachment #13

Concord High School - Lighting Controls Plan

Controls Legend

- Lutron Corner Mount Sensor LRF2-OKLB-P-WH
- Lutron Ceiling Mount Sensor LRF2-OCR2B-P-WH
- Lutron Hallway Mount Sensor LRF2-OHLB-P-WH
- Lutron 5A Relay RMJS-5R-DV-B
- Lutron 8A Dimmable Relay RMJS-8T-DV-B
- Lutron PICO Remote PJ2-3BRL-GWH-LO1
- Lutron 2A Sensor Switch MS-OPS2-WH
- Lutron 16A Relay RMJS-16R-DV-B
- Lutron 5A Sensor Switch MS-OPS5M-WH

Attachment #12

Concord High School - Lighting Conversion Plan

Fixture Legend

A/AE - Remove and Dispose of Existing Fluorescent Fixture. Replace with Appropriate Number of 2x2 36W 5000K LED Panel Lights (Install Emergency Battery Back-Up in AE Type Fixtures).

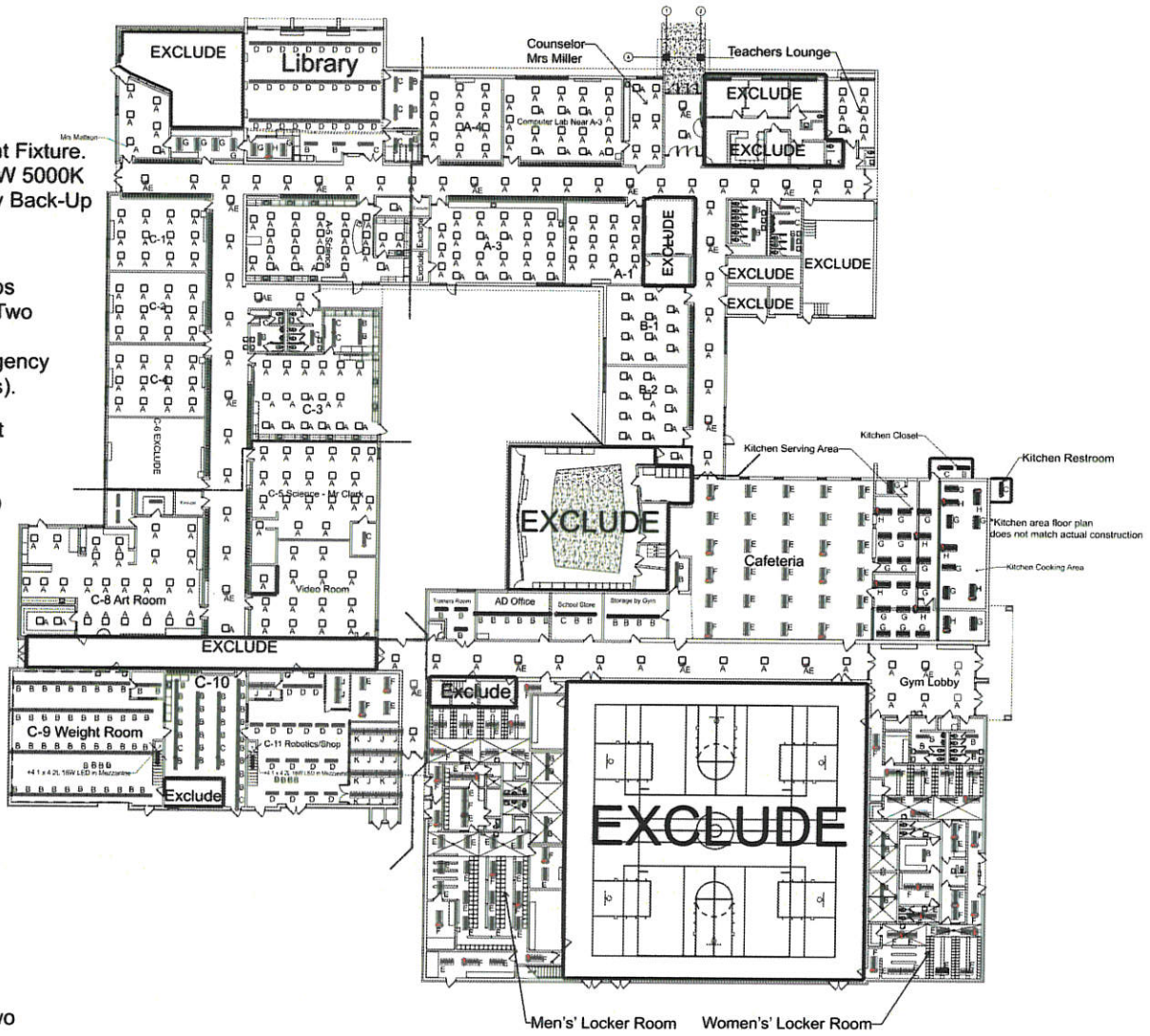
B/C - Retrofit Existing 1x4 2L Fluorescent Fixture. Retrofit by Removing Two Fluorescent Lamps and Existing Socket Holders, and Installing Two 18W 5000K LED Linear Tubes and LED Compatible Socket Holders (Maintain Emergency Battery Back-Up Function in C Type Fixtures).

D - Retrofit Existing 1x4 3L Pendant Fluorescent Fixture. Delamp by Removing Three Fluorescent Lamps and Existing Socket Holders, and Installing Two 18W 5000K LED Linear Tubes and LED Compatible Socket Holders.

E/F - Retrofit Existing 2x4 4L Fluorescent Fixture. Delamp by Removing Four Fluorescent Lamps and Existing Socket Holders, and Installing Two 18W 5000K LED Linear Tubes and LED Compatible Socket Holders (Maintain Emergency Battery Back-Up Function in F Type Fixtures).

G/H - Retrofit Existing 2x4 3L Fluorescent Fixture. Delamp by Removing Three Fluorescent Lamps and Existing Socket Holders, and Installing Two 18W 5000K LED Linear Tubes and LED Compatible Socket Holders (Maintain Emergency Battery Back-Up Function in H Type Fixtures).

J/K - Retrofit Existing 2x4 2L Fluorescent Fixture. Retrofit by Removing Two Fluorescent Lamps and Existing Socket Holders, and Installing Two 18W 5000K LED Linear Tubes and LED Compatible Socket Holders (Maintain Emergency Battery Back-Up Function in K Type Fixtures).



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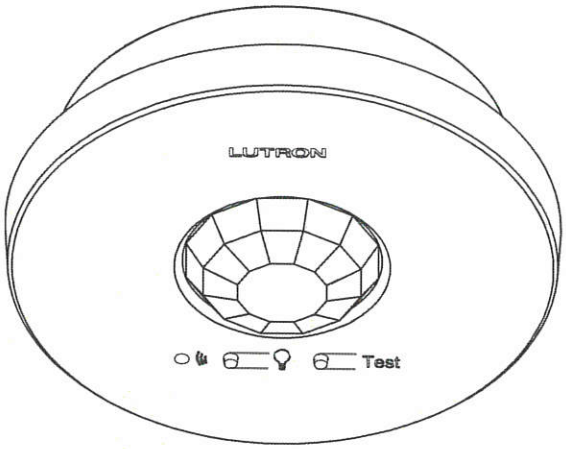
Radio Powr Savr™ Wireless Occupancy/Vacancy Ceiling Sensor

Lutron® Radio Powr Savr™ occupancy/vacancy sensors are wireless, battery-powered, passive infrared (PIR) sensors that automatically control lights via RF communication to compatible dimming and switching devices. These sensors detect the heat (IR radiation of 9.5 µm) from people moving within an area to determine when the space is occupied. The sensors then wirelessly transmit the appropriate commands to the associated dimming and switching devices to turn the lights on or off automatically. They combine both convenience and exceptional energy savings potential along with ease of installation.



Features

- Wireless occupancy sensor has 3 settings available: Auto-On/Auto-Off, Auto-On Low-Light/Auto-Off, and Manual-On/Auto-Off
- Auto-On Low-Light feature will turn lights on automatically only if there is less than approximately 10 Lux (1 fc) of ambient light
- Vacancy-only model available to meet California (U.S.A.) Title 24 requirements
- Uses Clear Connect® technology
- Passive infrared motion detection with exclusive Lutron® XCT™ Technology for fine motion detection
- 360° coverage ranges from 324 ft² (30.2 m²) to 676 ft² (62.4 m²), depending on mounting height
- Simple and intuitive adjustments available for Timeout, Auto-On, and Activity settings
- Supports advanced occupancy features, such as dependent occupancy groups and customizable occupied/unoccupied presets in some systems
- Multiple sensors can be added for extended coverage. Refer to product specification submittal of receiving device to determine system limits
- Lens illuminates during test mode to verify ideal locations
- Multiple ceiling-mount methods available for different ceiling materials
- Front accessible test buttons make programming easy
- 10-year battery life design
- RoHS compliant

Models Available

- LRF__-OCR2B-P-WH
  - Color Code
  - Occupancy and Vacancy
  - Frequency/Channel Code
- LRF2-VCR2B-P-WH
  - Vacancy Only
  - Available for Channel Code 2 Only

Frequency/Channel Codes

Available

2 = 431.0–437.0 MHz (U.S.A., Canada, Mexico, Brazil)
3 = 868.125–869.850 MHz (Europe, U.A.E.)
4 = 868.125–868.4755 MHz (China, Singapore)
5 = 865.5–866.5 MHz (India)
6 = 312.3–314.8 MHz (Japan)
7 = 433.05–434.79 MHz (Hong Kong, Macau)

Color Code

WH = White

Compatible RF Devices

- For use with Lutron® products only
- Communicates to various wireless Lutron® systems*

* Contact Lutron® Customer Service at www.lutron.com for frequency/channel code compatibility with your particular geographic region, and for integrating with other Lutron® lighting and shading products.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory

- Lutron® Quality Systems Registered to ISO 9001:2008

Standards Approved

LRF2- (USA and Canada)

- cULus Listed
- FCC certified
- IC certified
- Meets CA (U.S.A.) Energy Commission Title 24 requirements
- COFETEL
- ANATEL
- SUTEL

LRF3-

- CE marked (European Union)
- TRA type approval (United Arab Emirates)
- CITC type approval (Saudi Arabia)

LRF4-

- SRRC type approval (Mainland China)
- iDA registered (Singapore)

LRF5-

- WPC Type (India)

LRF6-

- 007YUUL0689

LRF7-

- FCC

Power/Performance

- Operating voltage: 3 V⎓
- Operating current: 14 µA nominal
- Requires one CR 123 lithium battery
- 10-year battery life
- Non-volatile memory (saved changes are stored during power loss)

Environment

- Temperature: 32 °F to 104 °F (0 °C to 40 °C)
- For indoor use only

Warranty

- 5-Year Limited Warranty. For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/Sensor_Warranty.pdf

Range

LRF2-, LRF3-, LRF4-, LRF5-, LRF7-

Local load controls must be located within 60 ft (18 m) line-of-sight, or 30 ft (9 m) through walls, of a sensor.

LRF6-

Local load controls must be located within 40 ft (12.2 m) line-of-sight, or 23 ft (7 m) through walls, of a sensor.

Sensor Coverage Test

- Front accessible test button
- Lens illuminates orange in response to motion during test mode and is visible from 60 ft (18 m)

Wireless Communication Test

- Front accessible test button
- Turn associated loads on and off

Timeout Options

- 1 minute*
- 5 minutes
- 15 minutes (default setting)
- 30 minutes

Auto-On Options (Occupancy Versions Only)

- *Enabled*: Sensor turns lights ON and OFF automatically (default setting).
- *Low Light*: Sensor turns lights ON automatically only in low ambient light conditions; sensor turns lights OFF automatically.
- *Disabled***: Lights must be turned ON manually from dimming or switching device; sensor turns lights OFF automatically.

Activity Options

- *Low Activity*: (default setting)
- *Medium Activity*:
- *High Activity*:

* Intended for use in high-activity, briefly occupied areas only.

** During the 15-second grace period that begins when the lights are automatically turned off, the lights will automatically turn back on in response to motion. This grace period is provided as a safety and convenience feature in the event the lights turn off while the room is still occupied, so that the user does not need to manually turn the lights back on. After 15 seconds, the grace period expires and the lights must be manually turned on.

Job Name:	Model Numbers:	
Job Number:		

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Installation Overview

Sensor Setup

- Sensor setup is available as a service by Lutron. For more information see the Sensor Layout and Tuning service document (Lutron® P/N 3601235).

Sensor Placement

- To detect motion, the sensor requires line-of-sight of room occupants. The sensor must have an unobstructed view of the room. DO NOT mount behind or near tall cabinets, shelves, hanging fixtures, ceiling fans, etc. The sensor cannot see through glass objects such as patio- or shower doors.
- Hot objects and moving air currents can affect the performance of the sensor. To ensure proper operation, the sensor should be mounted at least 4 ft (1.2 m) away from HVAC vents and light bulbs that are below the ceiling line.
- The performance of the sensor depends on a temperature differential between the ambient room temperature and that of room occupants. Warmer rooms may reduce the ability of the sensor to detect occupants.
- Devices emitting Radio Frequency (RF) energy can affect the performance of sensors. To ensure proper operation, sensors should be mounted at least 4 ft (1.2 m) away from devices that emit radio waves (e.g., microwave ovens, wireless routers or other wireless devices).
- For additional information on placing sensors, please see the Occupancy/Vacancy Sensor Design and Application Guide (P/N 368-3197) located at www.lutron.com.

Mounting

Temporary mounting is optional to test sensor coverage and wireless communication before permanently installing the sensor.

Drop Ceiling (Compressed Fiber Ceiling Tile)

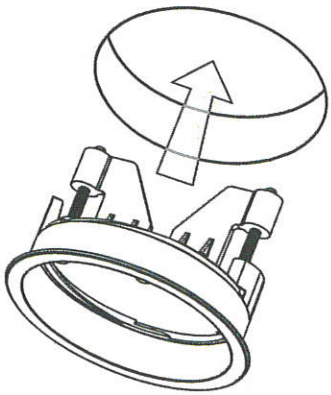
The mounting wire is provided for both temporary and permanent mounting of the sensor to ceiling tiles. It is designed to allow temporary mounting, testing, and repositioning (if necessary) of the sensor without damaging a ceiling tile. Once the final position of the sensor has been chosen, the mounting wire should be twisted together to permanently secure the sensor in place.

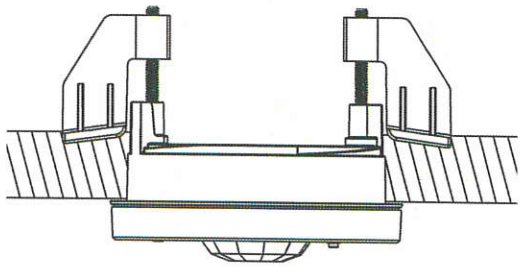
Solid Ceiling (Drywall, Plaster, Concrete, or Wood)

- Temporary mounting: Ten (10) temporary mounting strips can be purchased in the kit, L-CMDPIRKIT, for temporarily mounting and testing the sensor.
- Permanent mounting: Screws and anchors (for drywall or plaster) provided to mount the sensor.

Recess-Mount

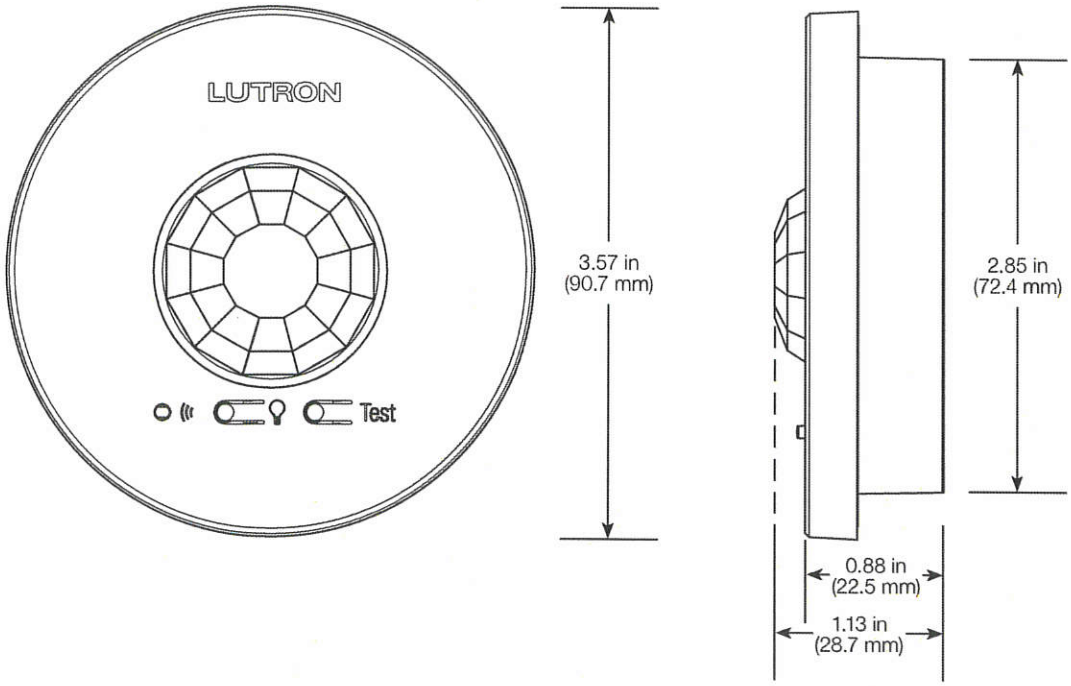
- Do not recess-mount sensor in a metal surface.
- Recess-mounting ring requires an opening of 3 in (76 mm) in diameter.
- Recess-mounting ring secures internally to ceiling. Sensor twists into the recess mounting ring and sits flush with ceiling (see image below).
- Recess-mounting ring purchased as a separate kit: L-CRMK-WH.





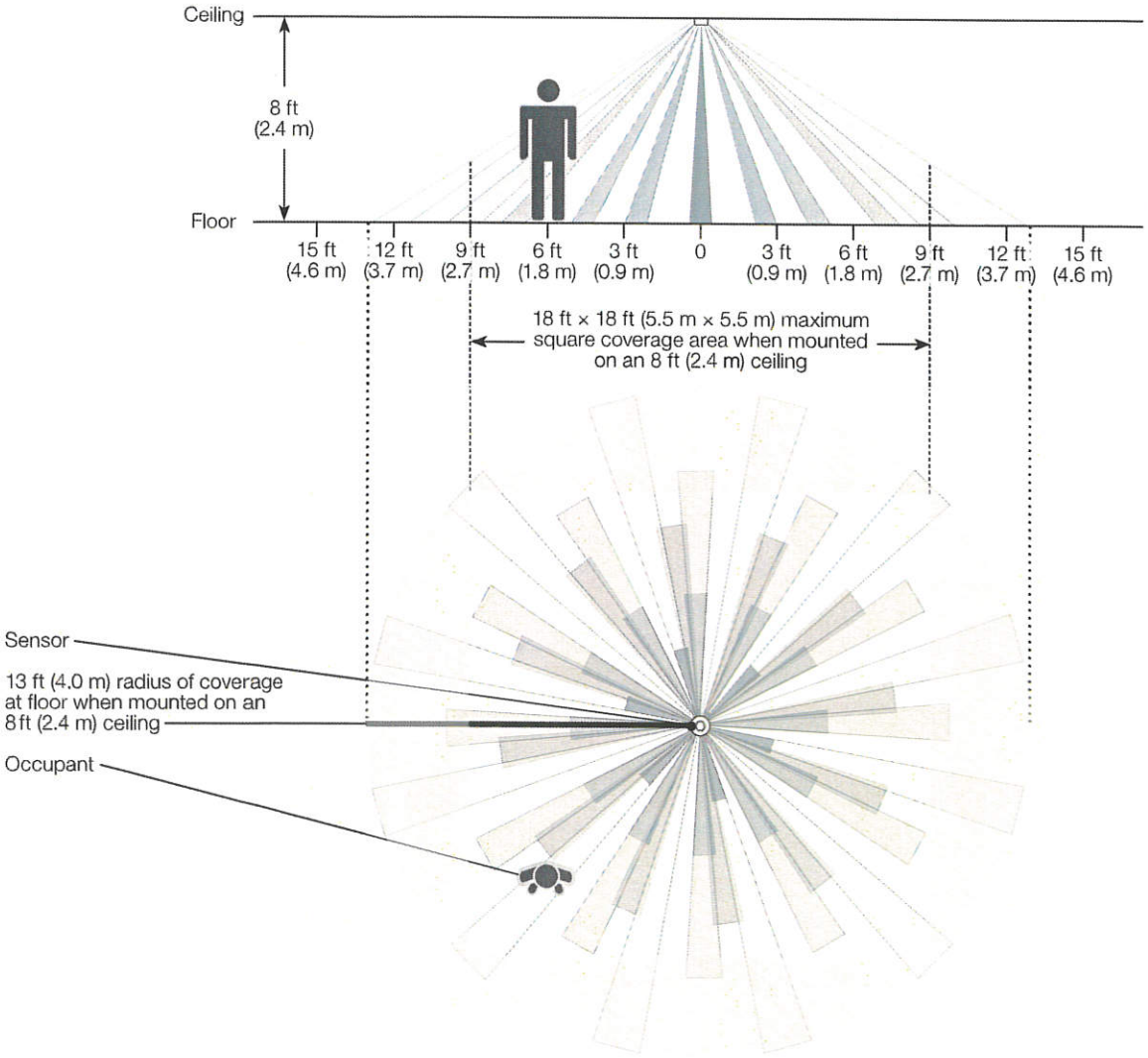
Job Name:	Model Numbers:	
Job Number:		

Dimensions



Job Name:	Model Numbers:	
Job Number:		

Range Diagrams



Sensor Coverage Chart (for sensor mounted in center of room)

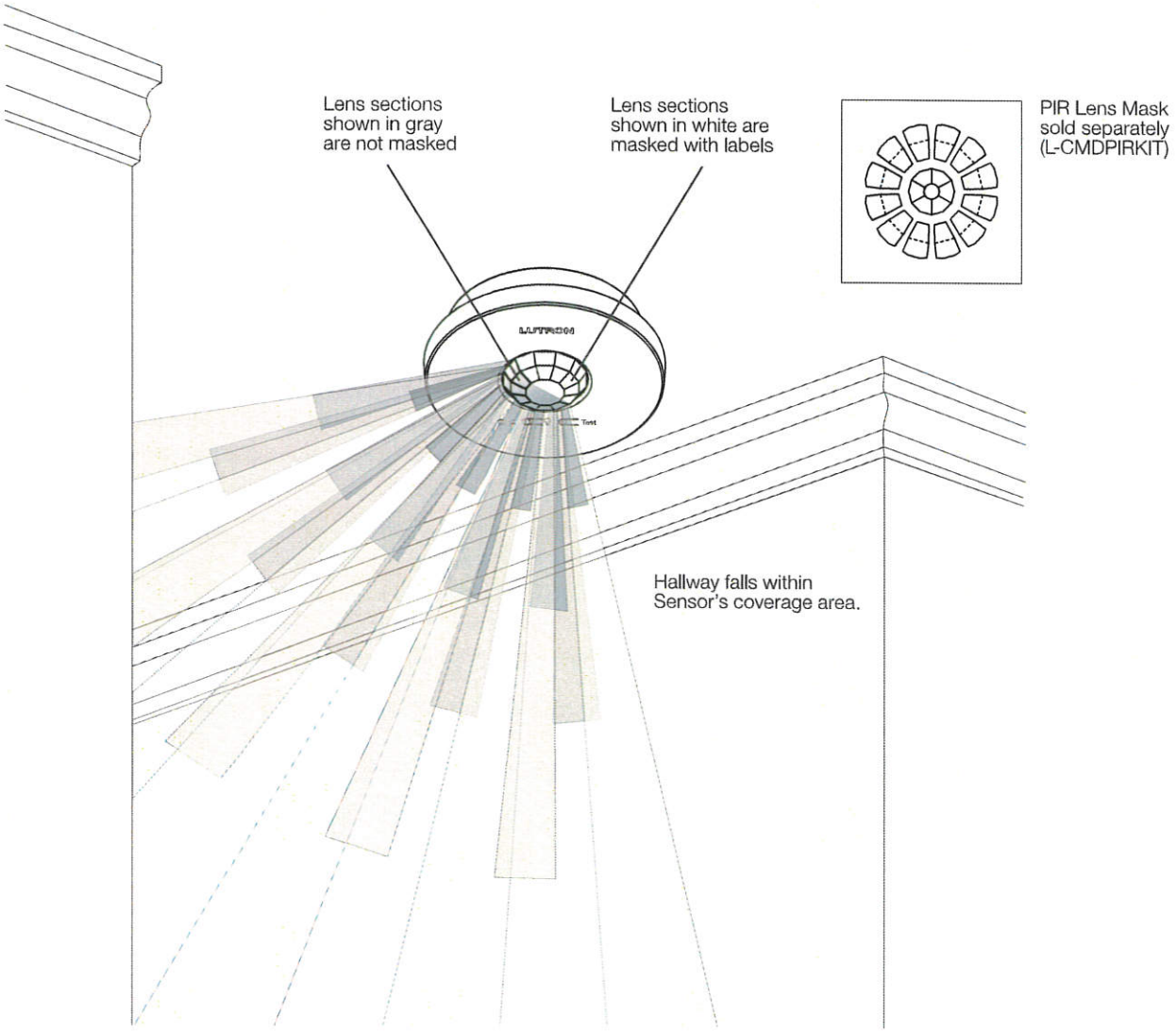
Ceiling Height	Maximum Square Coverage Area*	
8 ft (2.4 m)	18 ft × 18 ft (5.5 m × 5.5 m)	324 ft² (30.2 m²)
9 ft (2.7 m)	20 ft × 20 ft (6.1 m × 6.1 m)	400 ft² (37.2 m²)
10 ft (3.0 m)	22 ft × 22 ft (6.7 m × 6.7 m)	484 ft² (44.9 m²)
12 ft (3.7 m)	26 ft × 26 ft (7.9 m × 7.9 m)	676 ft² (62.4 m²)

* 12 ft (3.7 m) is the recommended maximum mounting height

Job Name:	Model Numbers:	
Job Number:		

Lens Masking

Whenever possible, the sensor should be installed in a location where it cannot view areas outside the intended space, such as hallways or adjacent rooms. If this situation cannot be avoided, portions of the lens may be masked to block the view of the sensor into undesired areas. Ten (10) PIR Lens Masks may be purchased in the kit, L-CMDPIRKIT.



Job Name:	Model Numbers:	
Job Number:		

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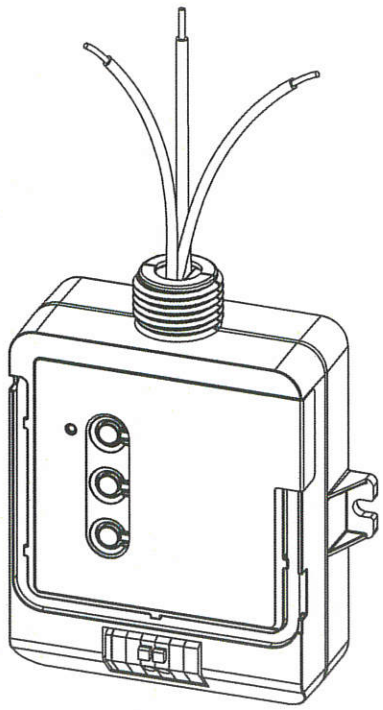
Vive PowPak Dimming Module with 0–10 V⎓ Control

The PowPak Dimming Module with 0–10 V⎓ Control is a radio frequency (RF) control that operates 0–10 V⎓ controlled fluorescent ballasts or LED drivers based on input from Pico remote controls and Radio Powr Savr sensors. The Dimming Module with 0–10 V⎓ Control is ideal for small areas (e.g., classrooms, conference rooms, private offices).

Communication with RF input devices (e.g., Pico remote controls, Radio Powr Savr sensors) is accomplished by using Lutron Clear Connect RF Technology.

These products are also compatible with the Vive hub which enables a simple setup process using a standard web browser on any Wi-Fi enabled phone, tablet or computer. It also enables control and monitoring of all Vive devices. The Vive hub can be added at any time. System reprogramming will be required. For a complete list of features supported with the Vive hub, see specification submittal 369902 at www.lutron.com
Note for Replacement: RMJS/URMJS - the "S" model can replace the non-"S" model.



RMJS-8T-DV-B (shown)

Features

- Controls up to 60 mA of 0–10 V⎓ controlled fixtures together
- New model available for use with emergency lighting[1]
- Switches up to 8 A total
- 0–10 V⎓ control link automatically sources or sinks to the third party fixtures
- Configurable high- and low-end trim
- Various operating voltages available; refer to model number chart on the next page for details on voltage requirements
- Receives wireless inputs from up to 10 Pico remote controls, 10 Radio Powr Savr occupancy/vacancy sensors, and 1 Radio Powr Savr daylight sensor
- Utilizes Lutron Clear Connect RF Technology; refer to model number chart on the next page for frequency band data
- Mounts to a US-style junction box through a standard-size knockout

[1] For systems with backup emergency generators only.

Job Name:	Model Numbers:	
Job Number:		

Models

Model Number	Region	Operating Voltage	Frequency Band
RMJS-8T-DV-B	U.S.A., Canada, Mexico	120/277 V~	431.0–437.0 MHz
URMJS-8T-DV-B	U.S.A. (BAA Compliant)	120/277 V~	431.0–437.0 MHz
RMJS-8TN-DV-B	U.S.A., Canada, Mexico	120/277 V~	431.0–437.0 MHz
RMJS-8T-DV-B-EM	U.S.A., Canada, Mexico	120/277 V~	431.0–437.0 MHz

NOTE: Contact Lutron for frequency band compatibility for your geographic region if it is not indicated above.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory Approvals

- UL® Listed
- UL 924 Listed (RMJS-8T-DV-B-EM only)
- FCC approved. Complies with the limits for a Class B device, pursuant to Part 15 of the FCC rules
- Complies with requirements for use in other spaces used for environmental air (plenums) per NEC® 2014 300.22(C)(3)
- Listed in accordance to CAN/ULC S102.2-2010 with a Flame Spread Rating of 0 and a Smoke Developed Classification of 40, with a minimum spacing of 6 ft (1.83 m) off center
- cUL and IC (Canada) (RMJS- only)
- COFETEL (Mexico) (RMJS- only)
- NOM (Mexico) (RMJS- only)

Power

- Operating voltage
  120/277 V~ 50/60 Hz

Output Ratings

- Switch rating of 8 A. Rated for resistive or capacitive loads as defined by IEC/EN 60669-2-1
- 0–10 V⎓ control link for 60 mA maximum output, source or sink automatically configures

Other Power Specifications

- Standby power:
  - 240–277 V~ 610 mW
  - 120 V~ 550 mW
- BTU/hour when fully loaded: 9
- Works with all ballasts and drivers that provide a current source that is compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver

System Communication

- Operates using Clear Connect RF Technology for reliable wireless communication; refer to model number chart on page 1 for frequency band details
- RF range is 30 ft (9 m)
- Wireless sensors and controls must be located within 60 ft (18 m) line of sight, or 30 ft (9 m), through walls, of the associated control module. The 60 ft (18 m) range is not reduced by a ceiling tile obstruction.

Environment

- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C)
- 0% to 90% humidity, non-condensing
- For indoor use only
- All drivers and ballasts used with Vive wireless controls must comply with the limits for a Class A device pursuant to Part 15 of the FCC Rules

0–10 V⎓ Control Link

- Communicates with up to 60 mA of fixtures
- Control link is IEC SELV/NEC® Class 2
- 0–10 V⎓ control can be installed using NEC® Class 1 or Class 2 wiring methods. Alternately, it can be wired to basic or double-insulated devices
- Always consult local wiring codes
- Compatible with ANSI E1.3 2001 (R2006), IEC 60929 Annex E

Emergency Model Sequence of Operation

With a Vive hub:

- **Normal mode:** The RMJS-8T-DV-B-EM can dim loads as normal and respond to local button presses, Pico wireless controls, and occupancy/daylight sensors.
- If the emergency PowPak loses power for greater than 250 mS, it will automatically go into emergency mode (full output, relay closed), when emergency power is restored to the PowPak, for as long as the Vive hub has no power. All local buttons, Pico wireless controls and occupancy/daylight sensors will not respond. The emergency light level of the emergency PowPak can be configured using the Vive hub.
- When normal power is restored to the Vive hub and emergency PowPak, the emergency PowPak will return to the previous light level in most cases within 3 minutes, but guaranteed within 10 minutes of normal power being restored. It will again accept local button control, input from Pico wireless controls, and occupancy/daylight sensors.

(continued on next page . . .)

Job Name:	Model Numbers:	
Job Number:		

Specifications *(continued)*

Without a Vive hub:

- **Normal mode:** The RMJS-8T-DV-B-EM can dim loads as normal and respond to local button presses, Pico wireless controls, and occupancy/daylight sensors.
- If the emergency PowPak loses power for greater than 250 mS, it will automatically go into emergency mode (full output, relay closed) for 90 minutes, when emergency power is restored to the PowPak. All local buttons, Pico wireless controls and occupancy/daylight sensors will not respond for 90 minutes.
- When normal power is restored, the emergency PowPak will remain in emergency mode for 90 minutes (full output, relay closed). It will then return to the previous light level and accept local button control, inputs from Pico wireless controls, and occupancy/daylight sensors.

Default Operation

- Associated wireless input devices control all connected fixtures together
- Occupancy Sensors:
  - Occupied: 100%; Unoccupied: 0% (OFF)
- Pico Remote Controls:
  - On: 100%; Favorite Level: 50%; Off: 0% (OFF)
- Daylight Sensor: Decreases electric light in response to additional available daylight

Key Design Features

- LED status indicator shows load status and provides programming feedback
- Configurable high-end and low-end trim
- Power failure memory: If power is interrupted, connected loads will return to the previous level prior to interruption
- 0–10 V⎓ control mis-wire protection up to 30 V⎓

Advanced Configurations

Pico Remote Controls

- Up to 10 Pico remote controls
- Favorite levels can be set for each Pico remote control

Radio Powr Savr Daylight Sensor

- The Radio Powr Savr daylight sensor will affect all connected ballast and LED drivers equally
- For multple rows of daylighting, a separate PowPak Dimming Module with 0–10 V⎓ must be used for each daylighting row

Minimum Light Level Setting (optional)

- Certain applications, such as hallways, may require that the lights never turn off. For these areas, select the minimum light level option and the load will lower to programed low-end level. Default operation lowers to OFF.

High- and Low-End Trim

- High-end and low-end trim affect all connected fixtures equally, and can be configured from the PowPak Dimming Module.
- Adjustable low-end trim (0%–45%). Trimmable low-end can ensure a stable light level. Some fixtures will flicker or drop out if trimmed too low.
- The maximum light output of connected fixtures can be decreased down to 55% for energy savings in over-lit spaces.

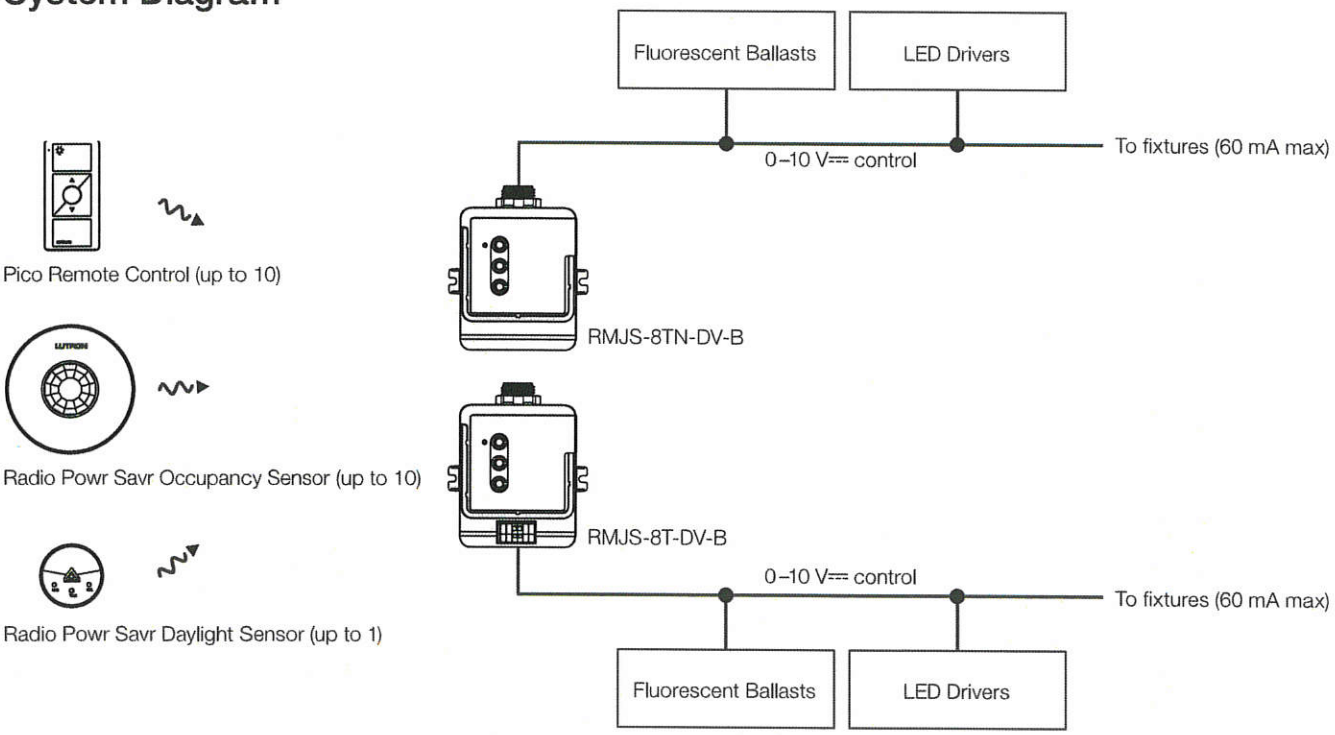
  Note: The perceived light output of low-end trim may vary between fixture manufacturers and model numbers. For best results, do not mix different ballasts or drivers on the same 0–10 V⎓ circuit.

Radio Powr Savr Occupancy Sensors

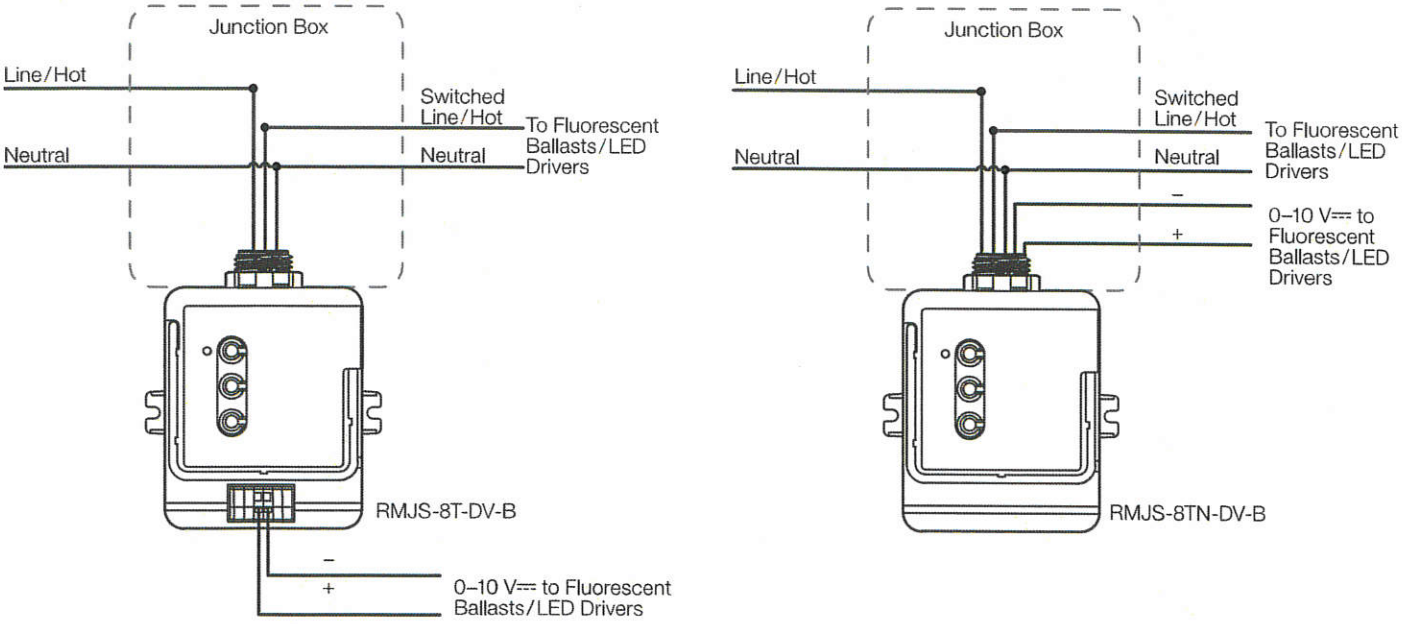
- Radio Powr Savr occupancy and vacancy sensors control all connected ballasts or drivers.
- Pico remote controls can be used to adjust the Occupied levels of fixtures that they control from 1% to 100% (of output signal) or can make them unaffected by Occupancy events.
- Vacancy events (area becomes unoccupied) turn all ballasts and driver models off or to minimum light level.

Job Name:	Model Numbers:	
Job Number:		

System Diagram



Wiring Schematic



NOTE:

Some applications (in the U.S.A.) require the PowPak module to be installed inside an additional junction box. For information about how to perform this installation, please see Application Note #423 (P/N 048423 at www.lutron.com). Please consult all local and national electric codes for proper installation methods.

Job Name:	Model Numbers:	
Job Number:		

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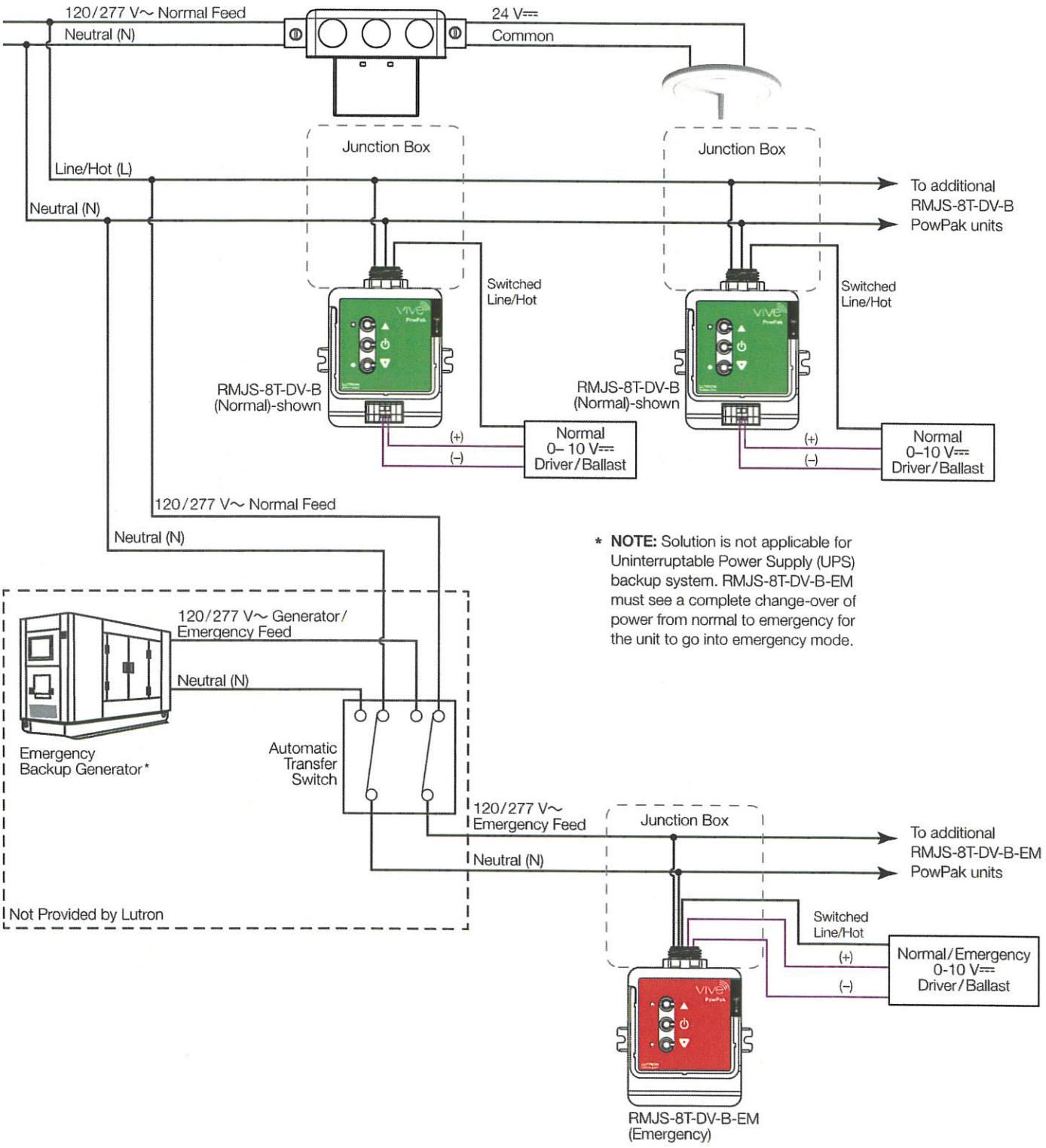
System Wiring Diagram (Vive Hub with Emergency PowPak)

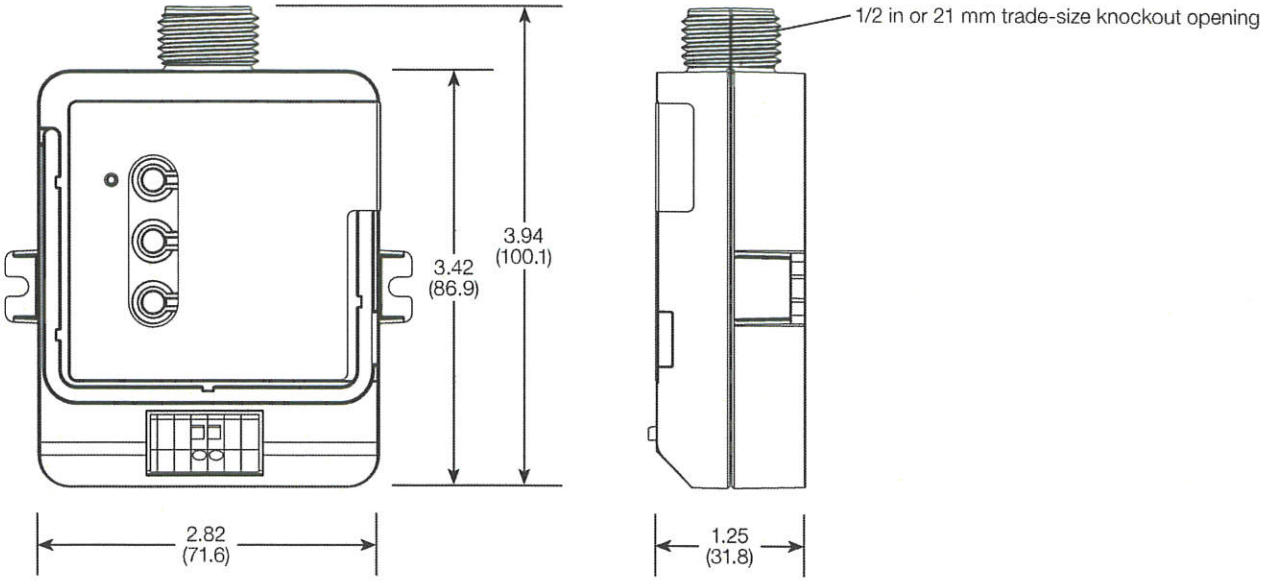


* **NOTE:** Solution is not applicable for Uninterruptable Power Supply (UPS) backup system. RMJS-8T-DV-B-EM must see a complete change-over of power from normal to emergency for the unit to go into emergency mode.

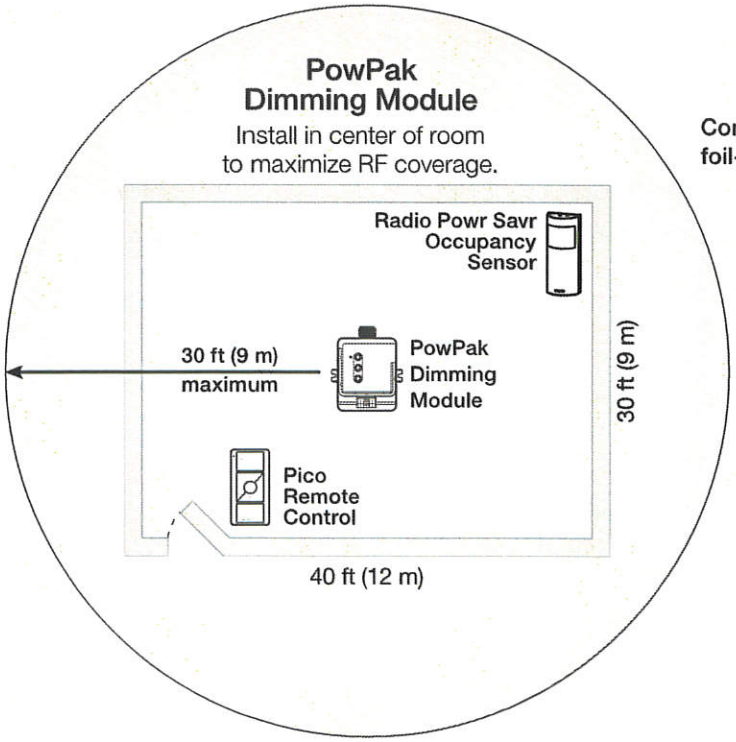
Job Name:	Model Numbers:	
Job Number:		

Dimensions

Dimensions are shown as: in (mm)



Range Diagram



Contact Lutron first for applications using foil-backed or metallic ceiling tiles.

NOTE: Wireless sensors and controls must be located within 60 ft (18 m) line of sight, or 30 ft (9 m), through walls, of the associated control module. The 60 ft (18 m) range is not reduced by a ceiling tile obstruction.

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NEC is a registered trademark of National Fire Protection Association, Quincy, Massachusetts.

UL is a trademark of UL LLC.

Job Name:	Model Numbers:	
Job Number:		

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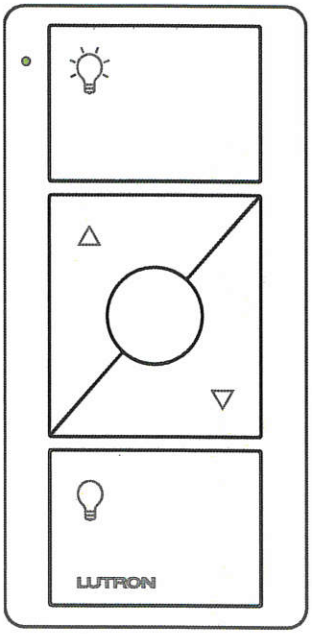
Pico Wireless Control (for North, Central, and South America)

The Pico wireless control is a flexible and easy to use device that allows the user to control Lutron wireless load-control devices from anywhere in the space. This battery-operated control requires no external power or communication wiring.



Pico wireless control[1]

Features

- Provides control for the following:
  - Caséta Wireless controls
  - Energi Savr Node, Quantum, and myRoom systems, through the use of a QS sensor module (QSM)
  - Vive systems, including:
    - Maestro Wireless controls
    - PowPak modules
  - GRAFIK Eye QS wireless systems
  - HomeWorks QS wireless systems
  - Maestro Wireless controls
  - PowPak modules
  - RadioRA 2 systems
  - Serena RF remote control shades
  - Sivoia QS wireless systems
- Control available in a variety of button marking options.
- Control available in Gloss and Satin Colors finishes.
- Easy reconfiguration for use as:
  - Handheld remote
  - Wall-mount control (with or without faceplate; faceplate adapter kit sold separately)
  - Car visor control (car visor clip sold separately)
  - A table top control (table top pedestal sold separately).
- Battery-powered. Requires no wiring.
- 10 year battery life[2] (one CR2032 battery included).
- Can provide control of blinds, curtains, or lighting devices within a range of 30 ft (9 m) through walls and 60 ft (18 m) line-of-sight.
- BAA-compliant model numbers available in gloss only.

[1] Button markings for Lights shown. Shade printing also available.

[2] Based on a 1 year shelf life, an average of 10 button presses per day, and an ambient temperature of 86 °F (30 °C). Actual life may vary based on usage and environmental conditions.

LUTRON SPECIFICATION SUBMITTAL Page: 1

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory Approvals

- Lutron Quality Systems registered to ISO 9001:2015.
- FCC Certified (U.S.A.)
- IC Certified (Canada)
- COFETEL Certified (Mexico)
- SUTEL Certified (Costa Rica)
- Anatel Certified (Brazil)

Power

- Operating Voltage 3 V⎓
- (1) CR2032 Battery (included)

System Communication and Capacity

- Communicates using Radio Frequency (RF) at 431 MHz to 437 MHz.
- Thousands of system addresses prevent interference between systems.
- Can be assigned to control blinds, curtains or lighting devices that are within a 30 ft (9 m) range.
- Can be configured as a scene or zone control in GRAFIK Eye QS wireless applications.

Mounting Considerations

- All RF devices should be mounted on nonmetallic surfaces to ensure proper performance.
- If you wish to mount your Pico wireless control to a metallic surface, the PICO-MOUNT-1-XX-CPN6774 will be required in order to maintain proper RF performance. For availability, please contact your local Lutron sales office.

Environment

- Ambient operating temperature: 32 °F to 140 °F (0 °C to 60 °C)
- Maximum 90% non-condensing relative humidity
- Indoor use only

Warranty

- 1 Year Limited Warranty
  For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

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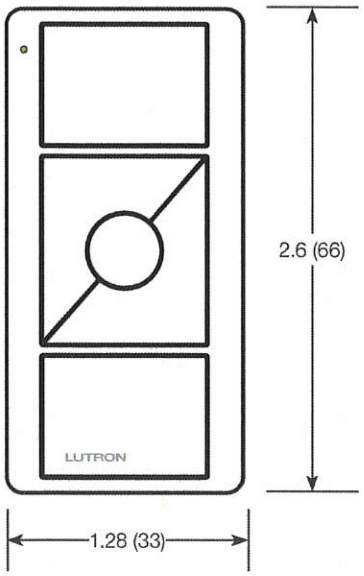
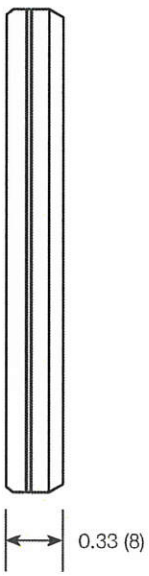
Pico Wireless Control Dimensions

Measurements shown as: in (mm)

Front view



Side view

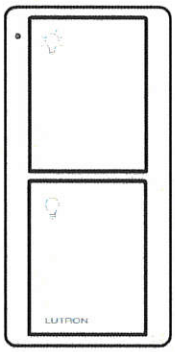


Job Name:	Model Numbers:	
Job Number:		

Operation

2 Button Controls (2B)

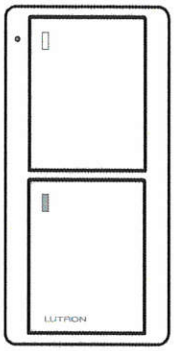
Lights Models: **L01**



ON Button
Lights go to full intensity.

OFF Button
Lights go to off.

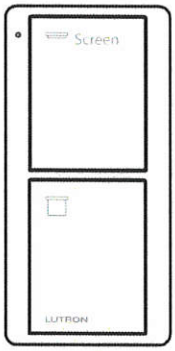
Appliance Model: **L02**



ON Button
Appliance is turned ON.

OFF Button
Appliance is turned OFF.

Screens Model: **S08**



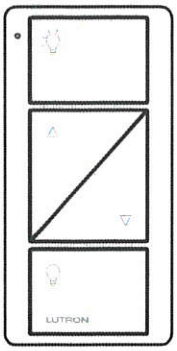
OPEN Button
Screens go to open limit.

CLOSE Button
Screens go to close limit.

2 Button Controls with Raise/Lower (2BRL)

Lights Model: **L01**

RAISE Button
Lights increase in intensity.



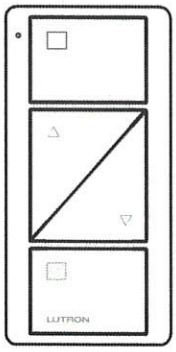
ON Button
Lights brighten to full intensity.

LOWER Button
Lights decrease in intensity.

OFF Button
Lights dim to off.

Shades Model: **S01**

RAISE Button
Shades move toward open limit.



OPEN Button
Shades go to open limit.

LOWER Button
Shades move toward close limit.

CLOSED Button
Shades go to close limit.

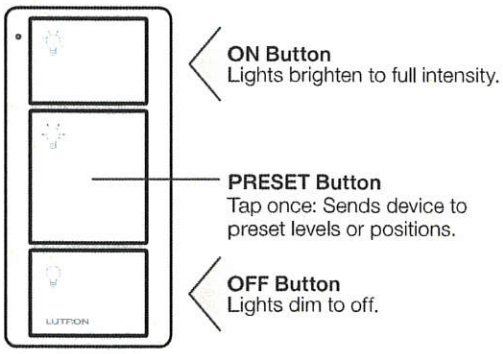
(continued on next page...)

Job Name:	Model Numbers:	
Job Number:		

Operation (continued)

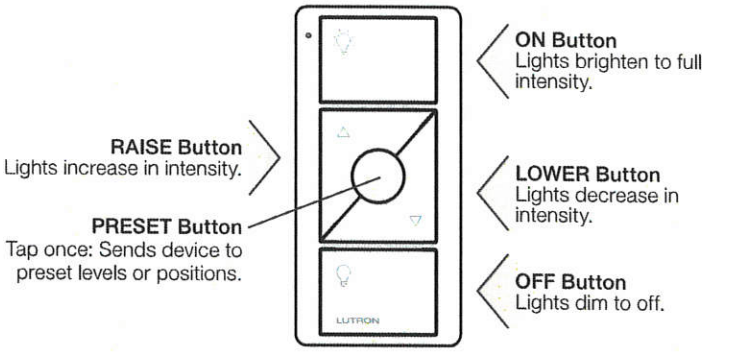
3 Button Controls (3B)

Lights Model: **L01**

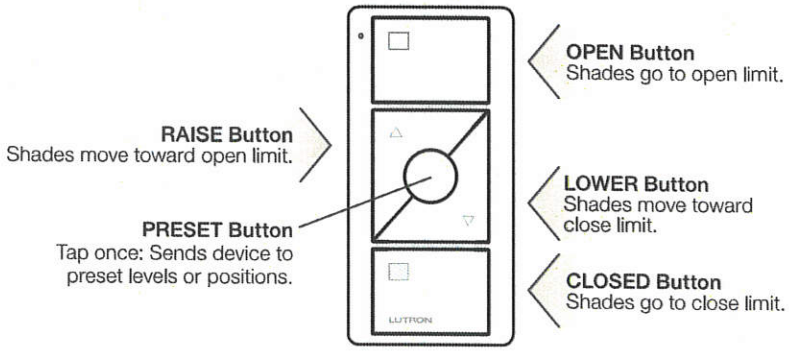


3 Button Controls with Raise/Lower (3BRL)

Lights Models: **L01**

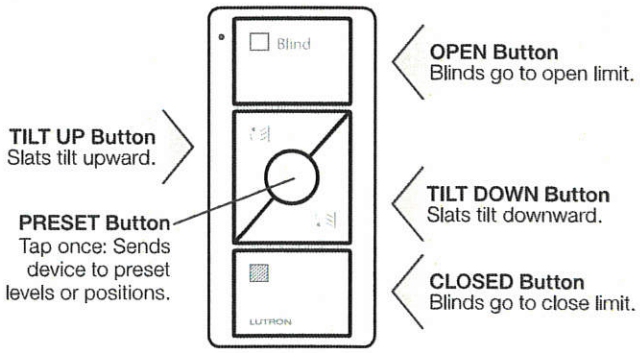


Shades Models: **S01, S02, S03, S04, S06, S07**

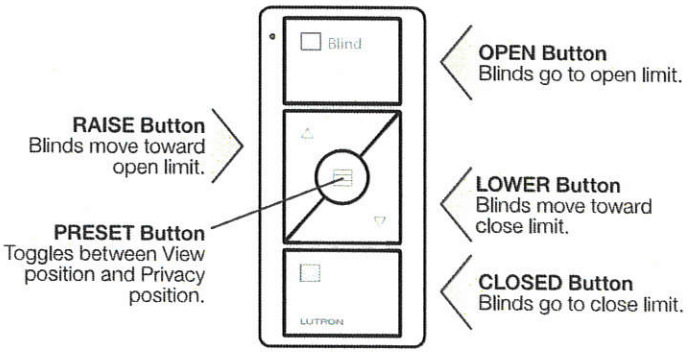


3 Button Controls with Raise/Lower (3BRL)

Venetian Blinds/Wood Blinds Model: **S05**



Horizontal Sheer Blinds Model: **S09**



Job Name:	Model Numbers:	
Job Number:		

Pico Wireless Control Model Number

For order quantities of 96 pieces or greater of the same model number, bulk packaging may be available. Mounting hardware is not available with bulk packaging. Contact your local Lutron sales office.

PJ2 – XXXX – XXX – XXX

Button Marking Code (next page)

Frequency/Channel Code*

Code	Frequency Range
J	431.0 — 437.0 MHz

* For questions about frequency/channel code compatibility, contact your local Lutron sales office or visit us at www.lutron.com

Button Configuration Codes

Code	Button Configuration
2B	2 Button
2BRL	2 Button with Raise/Lower
3B	3 Button
3BRL	3 Button with Raise/Lower

Color/Finish Codes

Color	Finish	
	Gloss	Texture (Satin Colors)
White	GWH	TSW
Black	GBL	TMN
Ivory	GIV	–
Light Almond	GLA	–
Biscuit	–	TBI
White/Gray[1]	GWG	–

1 Top and Raise buttons are White; Preset, Lower, and Bottom buttons are Gray

(continued on next page...)

Job Name:	Model Numbers:	
Job Number:		

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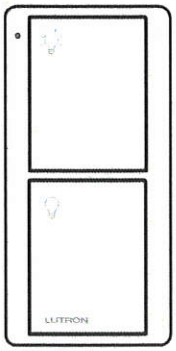
Pico Wireless Control Model Number (continued)

PJ2 – XXXX – XXX – XXX

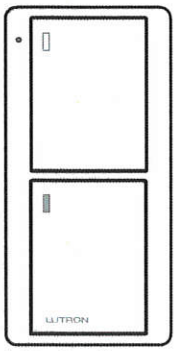
- PJ2: Frequency/Channel Code (previous page)
- XXXX: Button Configuration Code (previous page)
- XXX: Color/Finish Code (previous page)
- XXX: Button Marking Codes (below)

Button Marking Codes

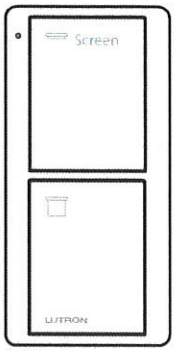
2 Button



L01: Lights (icons only)

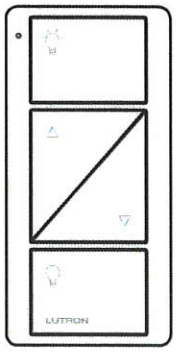


L02: Appliances (icons only)

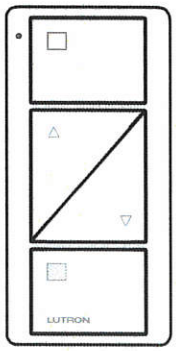


S08: Screens (icons + text)

2 Button with Raise/Lower

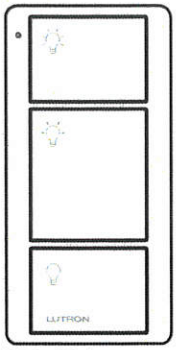


L01: Lights (icons only)



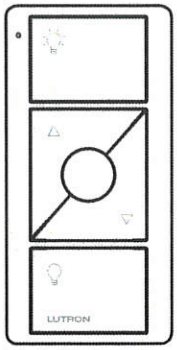
S01: Shades (icons only)

3 Button

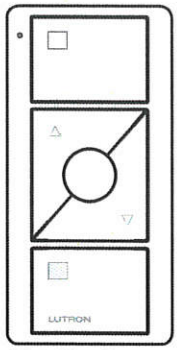


L01: Lights (icons only)

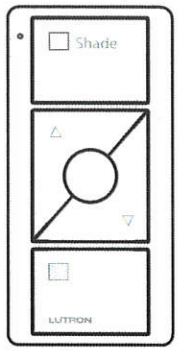
3 Button with Raise/Lower



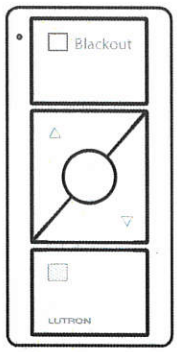
L01*: Lights (icons only)



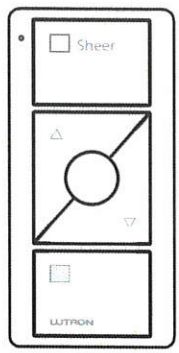
S01: Shades (icons only)



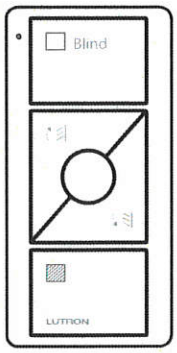
S02: Shades (icons + text)



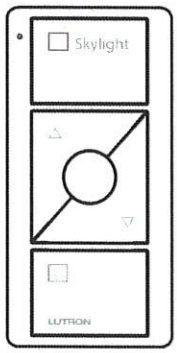
S03: Blackouts (icons + text)



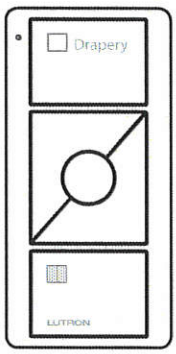
S04: Sheers (icons + text)



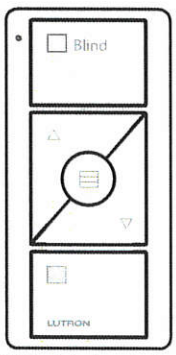
S05: Blinds (icons + text)



S06: Skylights (icons + text)



S07: Draperies (icons + text)



S09: Horizontal Sheer Blinds (icons + text)

* Add "R" after "L01" in the model number for Caséta wireless retail packaging. Available in Gloss White (WH) or Light Almond (LA).

Job Name:	Model Numbers:	
Job Number:		

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Pico Wireless Control Model Number (BAA Compliant)

For order quantities of 96 pieces or greater of the same model number, bulk packaging may be available. Mounting hardware is not available with bulk packaging. Contact your local Lutron sales office.

UPJ2 – XXXX – XX – L01

Frequency/Channel Codes*

Code	Frequency Range
J	431.0 – 437.0 MHz

* For questions about frequency/channel code compatibility, contact your local Lutron sales office or visit us at www.lutron.com

Button Configuration Codes

Code	Button Configuration
2B	2 Button
2BRL	2 Button with Raise/Lower
3B	3 Button
3BRL	3 Button with Raise/Lower

Color Codes

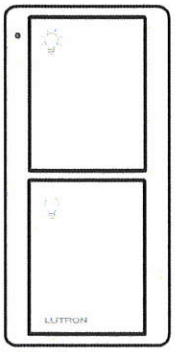
Color	Code
	Gloss[1]
White	WH
Black	BL
Ivory	IV
Light Almond	LA
White/Gray[2]	WG

[1] BAA controls are available in Gloss finish only.

[2] Top and Raise buttons are White; Preset, Lower, and Bottom buttons are Gray

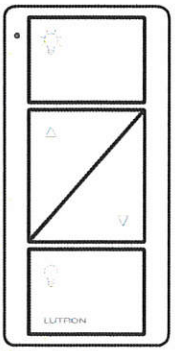
Button Marking Codes

2 Button



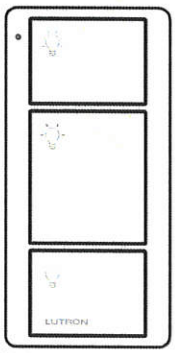
L01: Lights (icons only)

2 Button with Raise/Lower



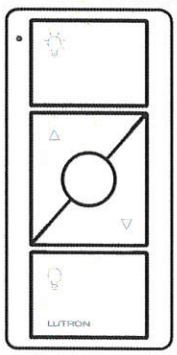
L01: Lights (icons only)

3 Button



L01: Lights (icons only)

3 Button with Raise/Lower



L01: Lights (icons only)

Job Name:	Model Numbers:	
Job Number:		

Pico Pedestal Model Number

Pedestals sold separately. Available in gloss finish only

L – PEDX – XX

Capacity Codes

Capacity	Code
Single	1
Double	2
Triple	3

Color Codes

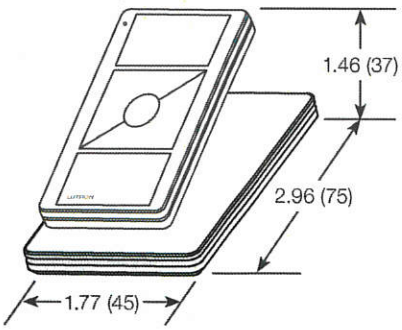
Color*	Code
White	WH
Black	BL

* Available in gloss finish only.

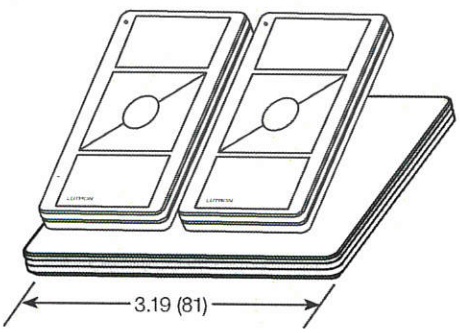
Pico Pedestal Dimensions

Measurements shown as: in (mm)

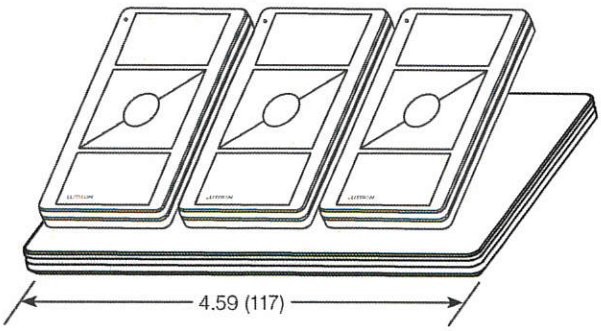
Single Pedestal



Double Pedestal



Triple Pedestal[1]



[1] For Triple Pedestals contact your local Lutron sales office or visit us at www.lutron.com

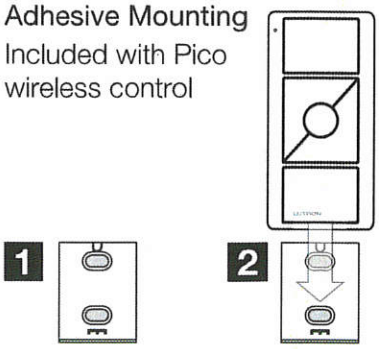
Job Name:	Model Numbers:	
Job Number:		

Mounting Options

Standalone Mounting

Adhesive Mounting

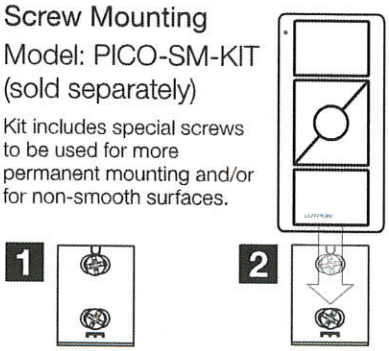
Included with Pico wireless control



Screw Mounting

Model: PICO-SM-KIT (sold separately)

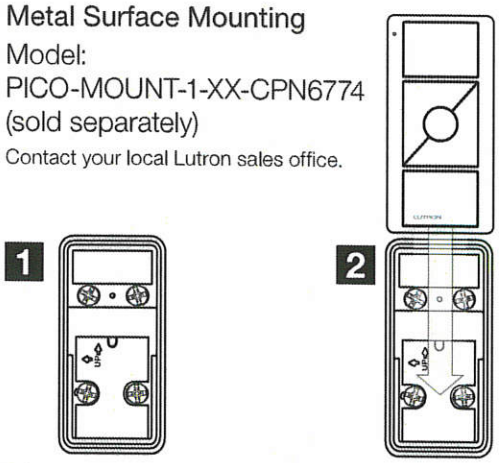
Kit includes special screws to be used for more permanent mounting and/or for non-smooth surfaces.



Metal Surface Mounting

Model: PICO-MOUNT-1-XX-CPN6774 (sold separately)

Contact your local Lutron sales office.

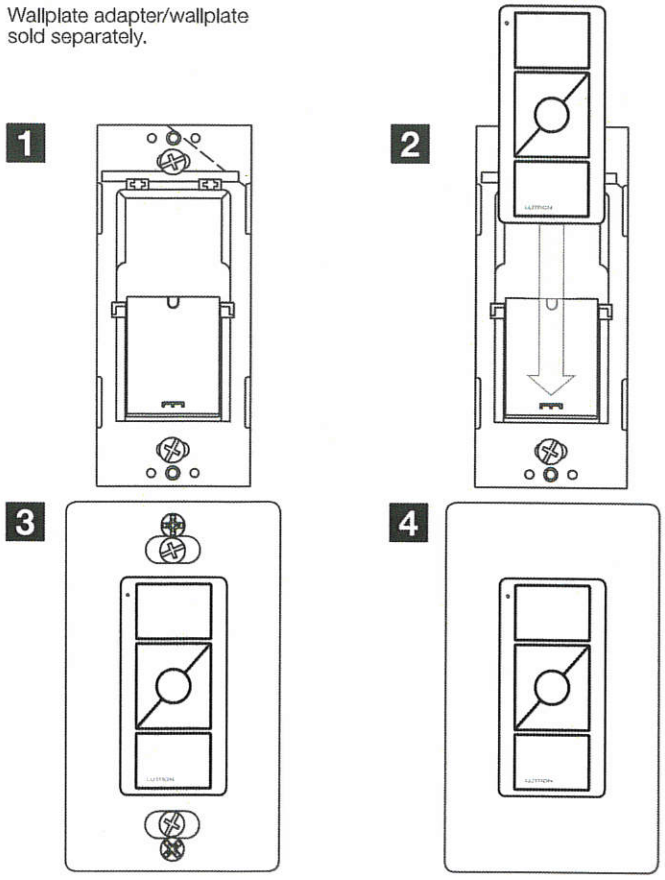


Wallbox Mounting

Wallbox Adapter

Model: PICO-WBX-ADAPT (sold separately)

Wallplate adapter/wallplate sold separately.



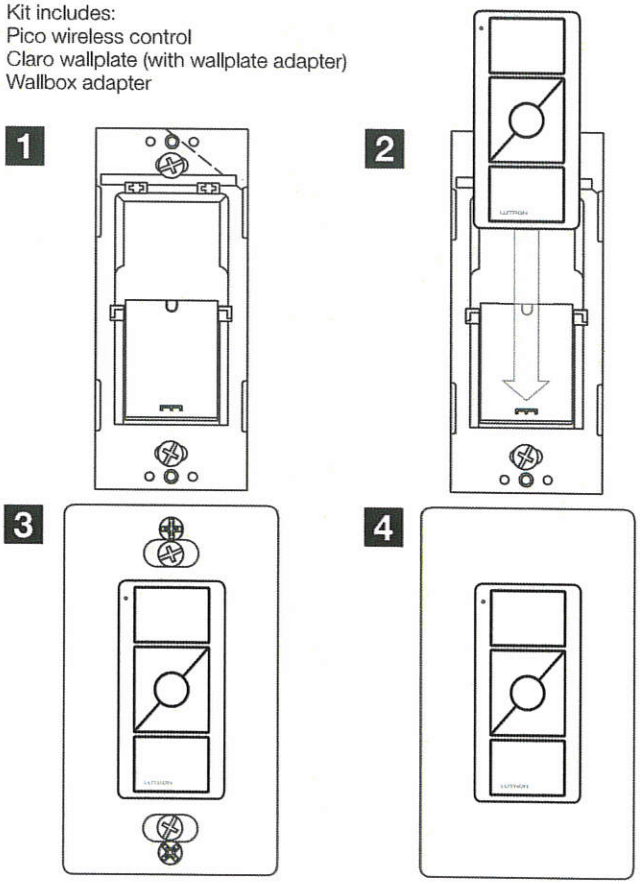
Surface Mounting Kits

Wall-Mounting Kit

Model: PJ2-WALL-WH-L01; PJ2-WALL-WH-L01C* (sold separately)

Kit includes:

- Pico wireless control
- Claro wallplate (with wallplate adapter)
- Wallbox adapter



* Canadian packaged product.

Job Name:	Model Numbers:	
Job Number:		

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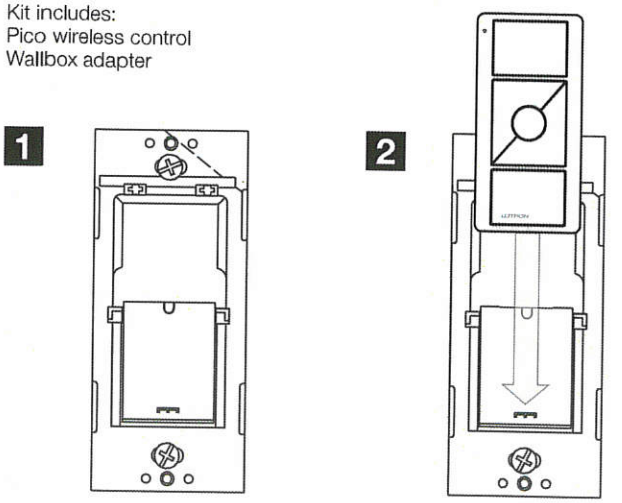
Mounting Options (continued)

Surface Mounting Kits (continued)

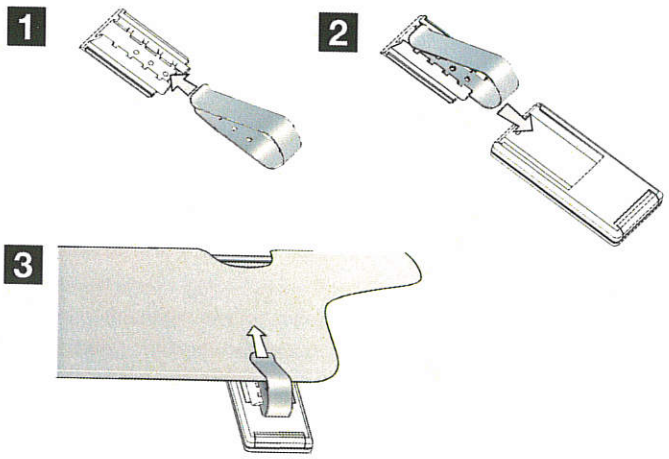
Wall-Mounting Kit (BAA Compliant)
Model: UPJ2-XXXX-XX-L01
(sold separately)

Kit includes:
- Pico wireless control
- Wallbox adapter



Vehicle Mounting

Mounting to a Car Visor
Model: PICO-CARVISOR-CL
(sold separately)



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Job Name:	Model Numbers:	
Job Number:		