# Lumina™ RF Wireless Room Control System

## Simple energy saving wireless retrofits for inpatient rooms in healthcare facilities

The Lumina™ RF Wireless Room Control System delivers a scalable solution for code-compliant wireless lighting controls for inpatient rooms in healthcare facilities.

Lumina RF Wireless Room Controls deliver wireless control for any on/off, 0-10V and phase cut dimming application. This scalable wireless solution provides the flexibility to easily build a system to meet the unique lighting needs of any space.

Start with a Room Controller for simple switching, dimming and scene control. Then add additional components for multi-location control, occupancy/vacancy sensing, daylight harvesting and more. For additional convenience, the system is configured using the Lumina RF Standalone App—the only setup tool needed.

## CHALLENGE

*Healthcare facility wants to retrofit inpatient rooms lighting with a wireless solution and increase control capabilities.*

- Need for cost-effective LED retrofit with compatible controls
- Spaces require a combination of dimming, scene control, multiple daylighting zones and plug load control
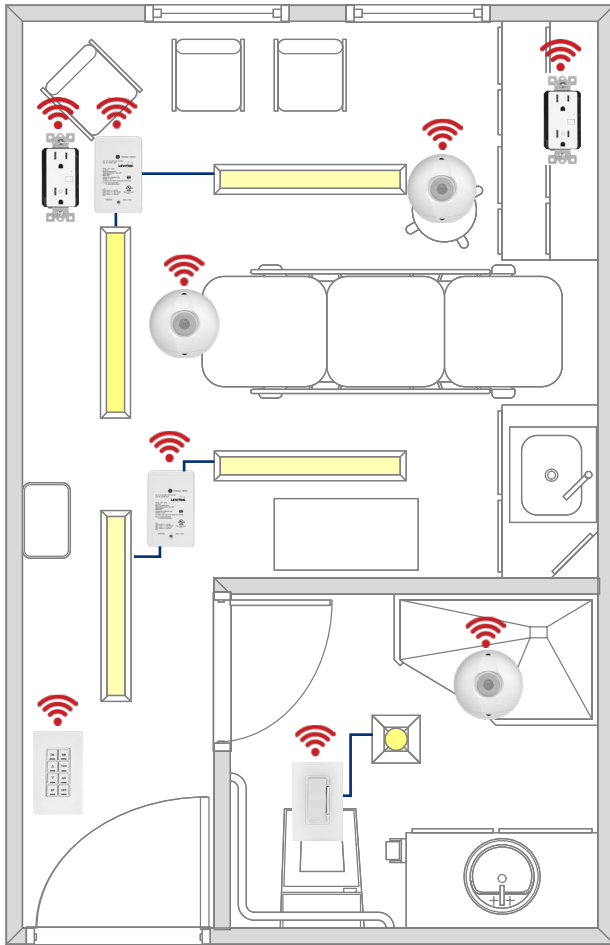- Must comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 requirements

## SOLUTION

*Lumina RF Room Controls create a simple energy and labor saving lighting retrofit solution.*

- Room Controllers and Load Control Devices add expanded wireless lighting control capabilities
- Lumina RF Standalone App provides easy configuration and commissioning
- Can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 space/area control, dimming, occupancy/vacancy sensing, automatic shutoff, multi-zone daylight harvesting and receptacle control requirements

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## LUMINA RF STANDALONE 0-10V AND PHASE CUT DIMMING AND SCENE CONTROL WITH OPTIONAL OCCUPANCY/VACANCY SENSING, MULTI-ZONE DAYLIGHT HARVESTING AND RECEPTACLE CONTROL
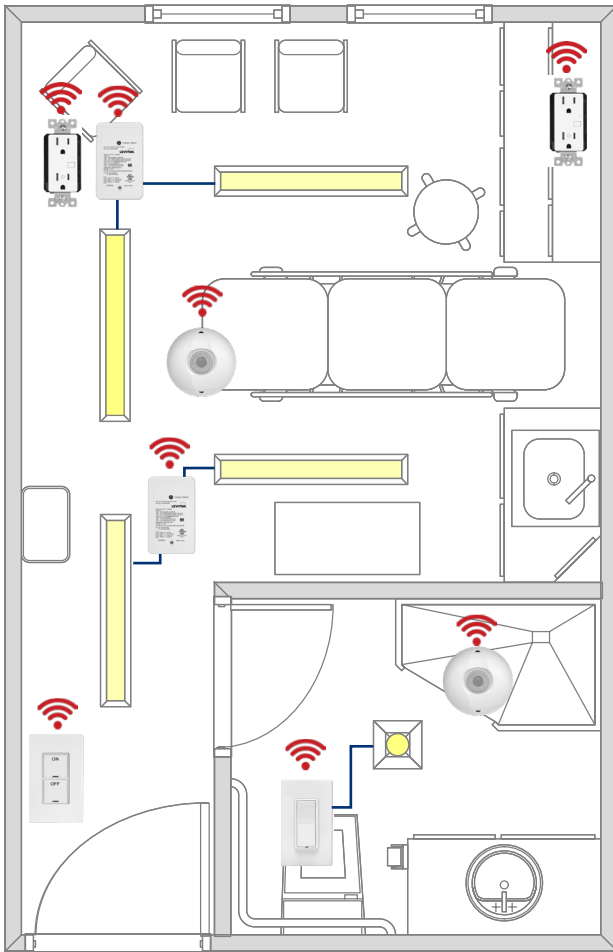


## WHAT YOU WILL NEED

| LUMINA RF STANDALONE 0-10V AND PHASE CUT DIMMING AND SCENE CONTROL | | QTY |
|---|---|---|
| | **Lumina RF Keypad Room Controller \| DLDNK-08W**<br>Coordinates all the energy management functions in a space and provides dimming and scene control | **1** |
| | **Lumina RF 1000W Dimmer \| DL1KD-1BZ**<br>Allows for dimming of full phase loads | **1** |
| | **Wireless, 0-10V Dimming Power Pack \| LU107-DNW***<br>Provides wireless control of any 0-10V lamp or fixture | **2** |
| | **ADD OPTIONAL OCCUPANCY/VACANCY/DAYLIGHT HARVESTING SENSING**<br>**Wireless PIR Occupancy Sensor & Photocell \| ZC015-BIW**<br>Provides occupancy/vacancy sensing and light level detection | **3** |
| | **ADD OPTIONAL RECEPTACLE CONTROL**<br>**Wireless Controlled Receptacle \| ZSTLR-1HW****<br>Install in place of traditional receptacles for plug load control | **2** |

\* Not required if using Intellect-enabled lamps and fixtures. Contact factory for more information.
\*\* LU20S-DNW can be used for an entire 20A receptacle control circuit as an alternative to ZSTLR-1HW at every other receptacle.

# LUMINA RF STANDALONE SWITCHING AND SCENE CONTROL
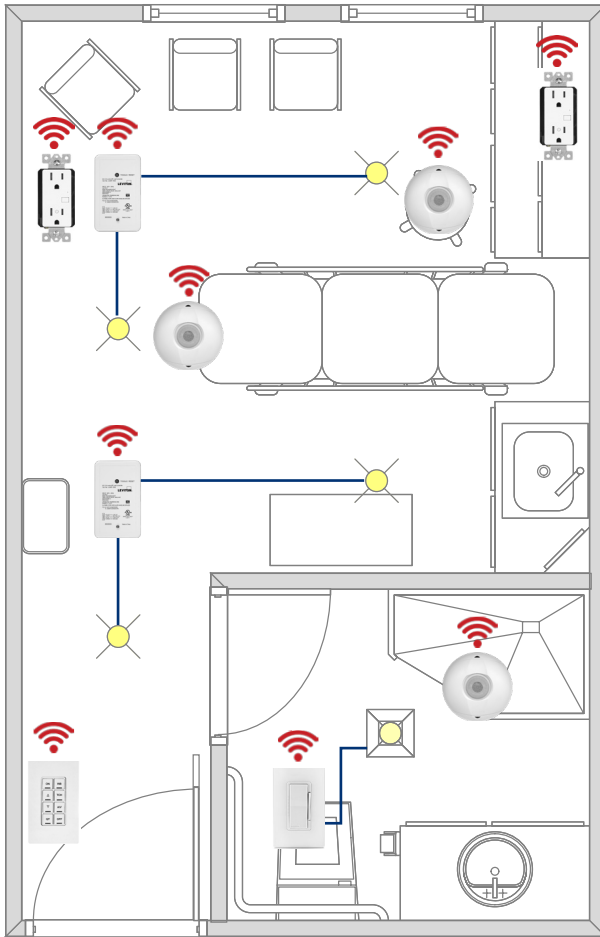# WITH OPTIONAL OCCUPANCY/VACANCY SENSING AND RECEPTACLE CONTROL



## WHAT YOU WILL NEED

| LUMINA RF STANDALONE SWITCHING AND SCENE CONTROL | | QTY |
|---|---|---|
| | **Lumina RF Keypad Room Controller \| DLDNK-02W**<br>Coordinates all the energy management functions in a space and provides dimming and scene control | **1** |
| | **Decora Wall Switch Room Controller with 5A Relay \| DL05S-D0Z**<br>Provides ON/OFF and energy management controls within a space<br>Coordinates all the energy management functions in a space and controls any ON/OFF load | **1** |
| | **Wireless 20A ON/OFF Switching Power Pack \| LU20S-DNW***<br>Provides wireless ON/OFF control for plug and motor loads | **2** |
| | **ADD OPTIONAL OCCUPANCY/VACANCY SENSING**<br>**Wireless PIR Occupancy Sensor & Photocell \| ZC015-BIW**<br>Provides occupancy/vacancy sensing and light level detection | **2** |
| | **ADD OPTIONAL RECEPTACLE CONTROL**<br>**Wireless Controlled Receptacle \| ZSTLR-1HW****<br>Install in place of traditional receptacles for plug load control | **2** |

\* Not required if using Intellect-enabled lamps and fixtures. Contact factory for more information.
\*\* LU20S-DNW can be used for an entire 20A receptacle control circuit as an alternative to ZSTLR-1HW at every other receptacle.

# LUMINA RF STANDALONE 0-10V AND PHASE CUT DIMMING AND SCENE CONTROL WITH OPTIONAL OCCUPANCY/VACANCY SENSING, MULTI-ZONE DAYLIGHT HARVESTING AND RECEPTACLE CONTROL



## WHAT YOU WILL NEED

| LUMINA RF STANDALONE 0-10V AND PHASE CUT DIMMING AND SCENE CONTROL | | QTY |
|---|---|---|
| | **Lumina RF Keypad Room Controller \| DLDNK-08W**<br>Coordinates all the energy management functions in a space and provides dimming and scene control | **1** |
| | **Decora Wireless 0-10V Wall Dimmer \| ZS057-D0Z**<br>Provides 0-10V dimming control | **1** |
| | **Wireless Lumina RF 800W Phase Cut Dimming Power Pack \| LU04P-1NW***<br>Provides wireless control of any phase cut dimming lamp or fixture | **2** |
| | **ADD OPTIONAL OCCUPANCY/VACANCY/DAYLIGHT HARVESTING SENSING**<br>**Wireless PIR Occupancy Sensor & Photocell \| ZC015-BIW**<br>Provides occupancy/vacancy sensing and light level detection | **3** |
| | **ADD OPTIONAL RECEPTACLE CONTROL**<br>**Wireless Controlled Receptacle \| ZSTLR-1HW***<br>Install in place of traditional receptacles for plug load control | **2** |

\* Not required if using Intellect-enabled lamps and fixtures. Contact factory for more information.
\*\* LU20S-DNW can be used for an entire 20A receptacle control circuit as an alternative to ZSTLR-1HW at every other receptacle.

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