



GreenConnect Wireless





A photograph of a modern classroom interior. The room features white hexagonal tables and orange chairs arranged in a circular pattern. A blackboard is visible on the wall, and a ceiling-mounted air conditioning unit is shown in the upper left corner.

Wireless Lighting Controls Done Right with GreenConnect

Experience easy wireless lighting control with GreenConnect—Wireless done right!

GreenConnect Wireless features Push-to-Pair (P2P) technology, making it simple to design, install, and program. Add wireless control to almost any switching or dimming load without any new wiring, room controller, hub, app, or factory commissioning needed.

- **Flexible and scalable**—Start small and grow as needed
- **Easy Push-to-Pair (P2P) programming**—No app or factory commissioning required
- **Simple wireless solution**—Reliable 2.4 GHz IEEE 802.15.4 wireless mesh network
- **Contractor-friendly**—Easy to design, install, and program
- **Ready to use**—Ideal for new construction and retrofits
- **Energy savings**—Meets energy code requirements

Designing a GreenConnect System

How to Put It All Together

1

Determine which **LOADS** you want to control

- Lighting
- Switching
- Dimming (0-10V, Forward Phase)
- Plug Load

2

Select the appropriate **LOAD CONTROL DEVICES** as needed



**20A
ON/OFF
Switching
Load
Controller**
(ZKS00)



**10A
0-10V
Dimming
Load
Controller**
(ZK700)



**800W
Phase Cut
Dimming
Load
Controller**
(ZKM00)



**ON/OFF
Wall Switch**
(ZBS00)



**10A 0-10V
Wall Dimmer**
(ZB700)



**1000W
Forward
Phase
Dimmer**
(ZBM00)

3

Add **BATTERY-POWERED COMPANION DIMMER OR SWITCH** as needed

- Add additional wireless components for more complex applications and multi-way control
- Use in areas where installing a new device or wiring is difficult or cost-prohibitive



**Battery-Powered
Companion Dimmer &
Switch**
(ZBK00)

4

Add **WIRELESS CONTROLLED RECEPTACLE** for plug load control



**Wireless Controlled
Receptacle**
(ZBR20)

5

Add **WIRELESS PIR SENSOR** with integrated **PHOTOCELL** as needed

- For occupancy/vacancy detection and daylight harvesting



**Wireless PIR
Occupancy Sensor
& Photocell**
(ZC015)

6

Pair **GREENCONNECT DEVICES** and update settings as needed

- Auto-ON/OFF
- Manual-ON/Auto-OFF
- Partial-ON, Partial-OFF
- Sensor sensitivity and time outs
- Daylight harvesting

How to Put it All Together



GreenConnect - Wireless done right. Simple, scalable, wireless solution perfect for any new or retrofit project. No room controller, hub, app or factory commissioning needed.

Wireless Load Control Devices

- Add to virtually any lamp or fixture for a wireless ON/OFF, 0-10V dimming and phase cut dimming solution
- Use Leviton Push-to-Pair (P2P) process to create a multi-way system for up to 16 devices



20A ON/OFF Switching Load Controller	10A 0-10V Dimming Load Controller	800W Phase Cut Dimming Load Controller	10A ON/OFF Wall Switch	10A 0-10V Wall Dimmer	1000W Forward Phase Wall Dimmer	Wireless Controlled Receptacle
ZKS00-D0W	ZK700-D0W	ZKM00-10W	ZBS00-D0Z	ZB700-xxx	ZBM00-10W	ZBR20-1SW
• ON/OFF relay used for plug load control, motor loads, or non-dimming luminaires	• Dim any 0-10V controlled load	• Allows for dimming of full phase loads	• Switch a local lighting load ON/OFF	• Control local lighting loads, including high inrush LED	• Control local lighting loads, including high inrush LED	• Install in place of traditional receptacles for plug load and downstream control

Battery-Powered Companion Dimmer or Switch

- Pair wirelessly with a GreenConnect load controller to provide a simple to install solution for wireless manual lighting control
- Multi-way switching or dimming when paired with a GreenConnect load controller, dimmer, or switch



Battery-Powered Companion Switch or Dimmer

ZBK00-xx

- Mounts directly onto a wall surface, or into a single, or multi-gang device wall box- no wiring required
- Ideal solutions for locations where installing a new device, wallbox, or wiring is difficult or cost-prohibitive

Wireless PIR Occupancy Sensor & Photocell

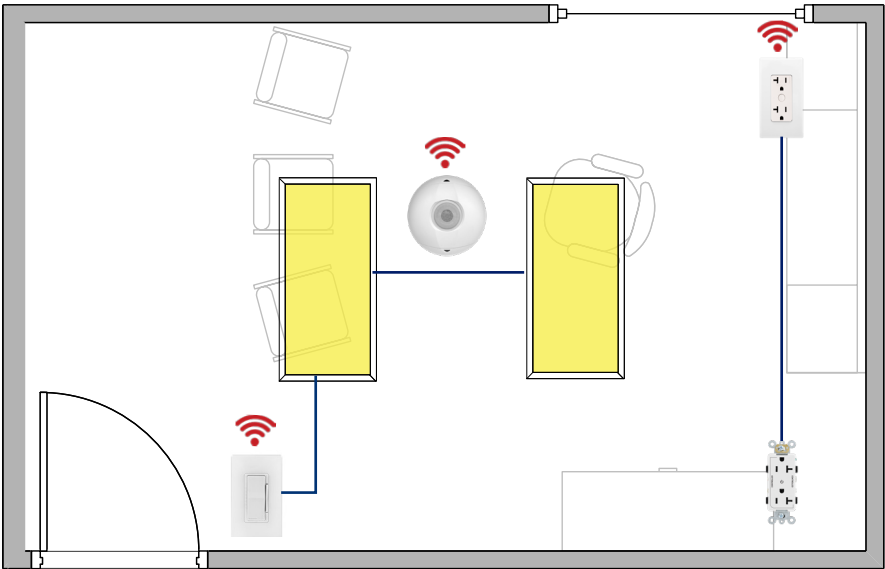
- Occupancy Sensor and Photocell in one
- Continually monitors changes in light levels for full daylight harvesting



Wireless PIR Occupancy Sensor & Photocell

ZC015-BIW

- Innovative sensing technology with a digital PIR sensor
- Used to detect motion and to measure light levels to control lighting loads accordingly when paired with a GreenConnect Load Controller



Application Notes

- Room contains a single zone of lighting, all configured through Push-to-Pair (P2P) programming
- Room has outward-facing windows
- Occupancy sensor detects motion, automatically turning lights on/off based on presence
- Daylight harvesting adjusts lighting levels in response to available natural light
- 0-10V dimming allows precise brightness control for optimal lighting conditions
- Wireless battery-powered dimmer switch provides manual control flexibility
- Wireless receptacle enables control of downstream electrical loads within the space

Sequence of Operation

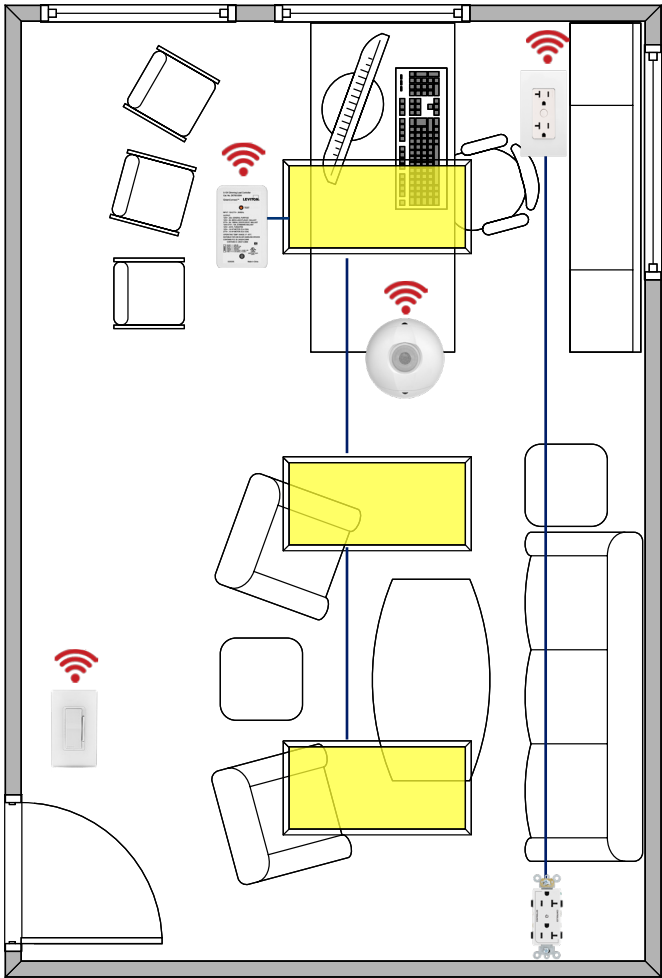
- The lighting system remains off until manually switched on by an occupant
- The occupancy sensor, set to high sensitivity, detects motion and maintains lighting while occupants are present
- If no motion is detected for 15 minutes, the system begins transitioning to a lower power state
- After the time-out period, lights dim to 25% brightness rather than turning fully off
- The system remains at 25% brightness for an additional 15 minutes before turning off completely
- If natural light levels are sufficient to meet the 20FC (foot-candle) target, the system adjusts artificial lighting accordingly to maintain the target illumination level

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Wall Dimmer ZB700-D0Z Dims any 0-10V load	1
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	1
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	1
	Downstream Receptacle 16352-IPW For downstream receptacle control	1

Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.

EXECUTIVE OFFICE



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- Wireless receptacle enables control of downstream electrical loads within the space

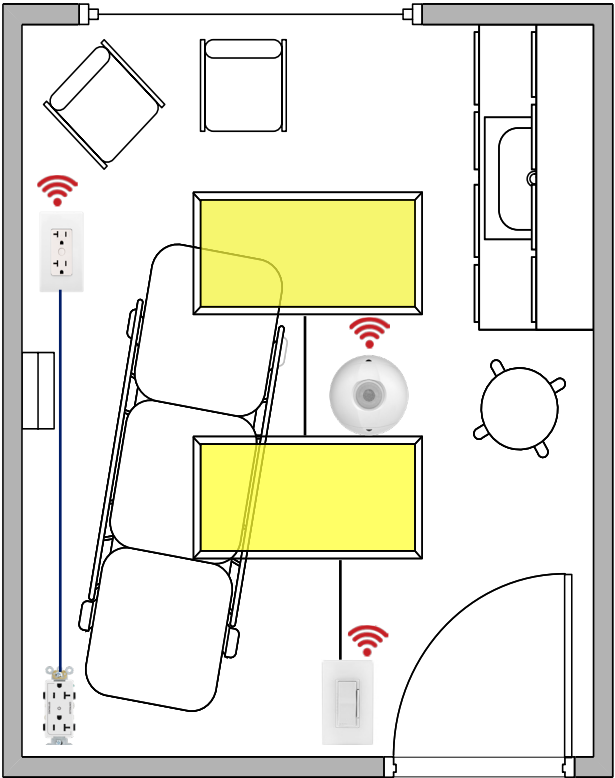
Sequence of Operation

- The lighting system remains off until manually switched on by an occupant
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- The system remains at 25% brightness for an additional 15 minutes before turning off completely
- If natural light levels are sufficient to meet the 20FC (foot-candle) target, the system adjusts artificial lighting accordingly to maintain the target illumination level

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Dimming Load Controller ZK700-D0W Adds wireless control to any 0-10V dimming device	1
	GreenConnect Battery-Powered Companion Dimmer ZBK00-CDW Dimming control	1
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	1
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	1
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Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.



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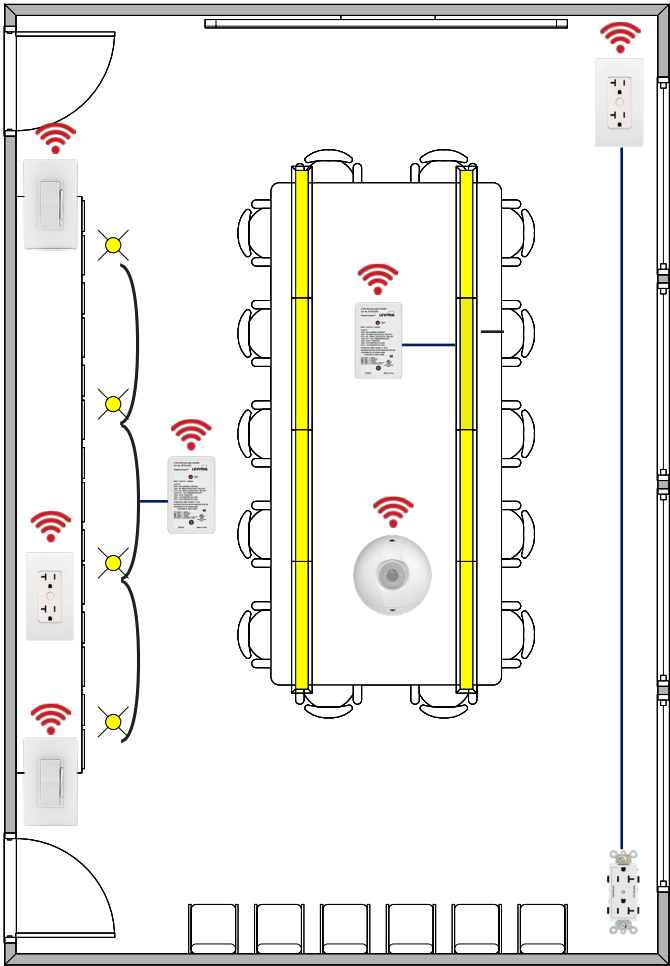
Sequence of Operation

- The lighting system remains off until manually switched on by an occupant
- The occupancy sensor, set to high sensitivity, detects motion and ensures lighting remains on while occupants are present
- If no motion is detected for 15 minutes, the system begins transitioning to a lower power state
- After the time-out period, lights dim to 25% brightness rather than turning fully off
- The system remains at 25% brightness for an additional 15 minutes before turning off completely
- If natural light levels are sufficient to meet the 20FC (foot-candle) target, the system adjusts artificial lighting accordingly to maintain the target illumination level

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Wall Dimmer ZB700-D0Z Dims any 0-10V load	1
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	1
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	1
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Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.



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- Occupancy sensor detects motion, automatically turning lights on/off based on presence
- Daylight harvesting adjusts lighting levels in response to available natural light
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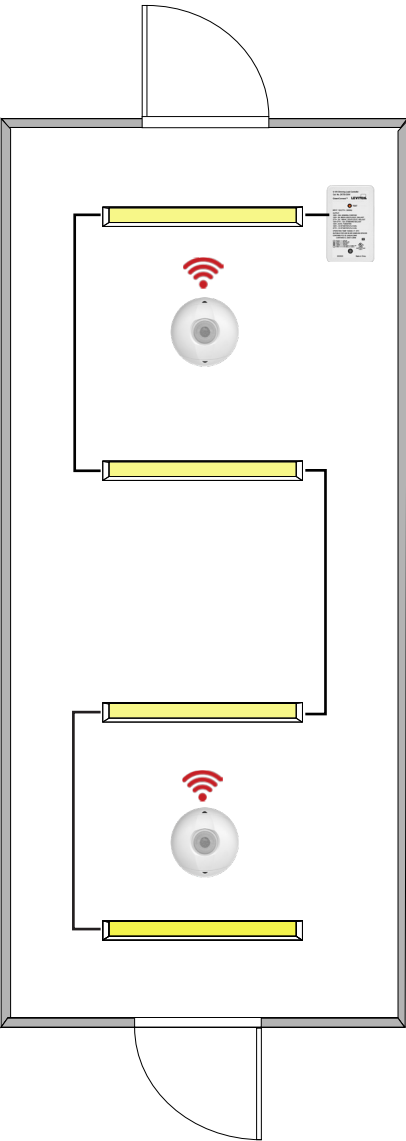
Sequence of Operation

- The lighting zone requires manual activation and operates at full brightness or preset dimming levels when switched ON
- The high-sensitivity occupancy sensor detects movement and keeps the lights ON
- If no movement is detected for 30 minutes, the lights enter a partial-dimming mode instead of turning OFF
- After the time-out period, the lights dim to 25% brightness rather than shutting down completely
- If no occupancy is detected for another 15 minutes, the lights turn OFF, but full brightness is restored if movement is detected
- The system monitors daylight levels, dimming or adjusting artificial lighting to maintain 25FC (foot-candle) illumination efficiently

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Dimming Load Controller ZK700-D0W Adds wireless control to any 0-10V dimming device	1
	GreenConnect Wireless Forward Phase Dimmer ZKM00-10W Dims forward phase loads	1
	GreenConnect Battery-Powered Companion Dimmer ZBK00-CDW Multi-location dimming control	2
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	1
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	2
	Marked Controlled Receptacle 16352-IPW For downstream receptacle control	1

Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.



Application Notes

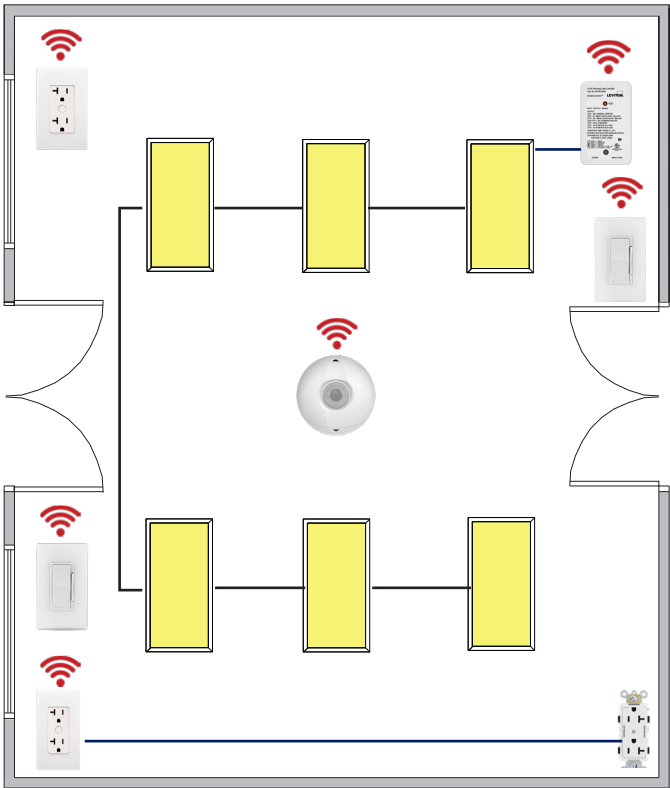
- Space contains a single zone of lighting, all configured through Push-to-Pair (P2P) Programming
- Occupancy sensor detects motion, automatically turning lights on/off based on presence

Sequence of Operation

- The occupancy sensor, set to high sensitivity, detects motion and ensures lighting remains on while occupants are present
- If no motion is detected for 30 minutes, the system begins transitioning to a lower power state
- After the time-out period, lights dim to 25% brightness rather than turning fully off
- The system remains at 25% brightness until occupancy is detected

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Dimming Load Controller ZK700-D0W Adds wireless control to any 0-10V dimming device	1
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	2



Application Notes

- Room contains a single zone of lighting, all configured through Push-to-Pair (P2P) Programming
- Occupancy sensor detects motion, automatically turning lights on/off based on presence
- Occupant can access dimming and switching controls via a wireless battery-powered dimmer switch
- Wireless receptacle enables control of downstream electrical loads within the space

Sequence of Operation

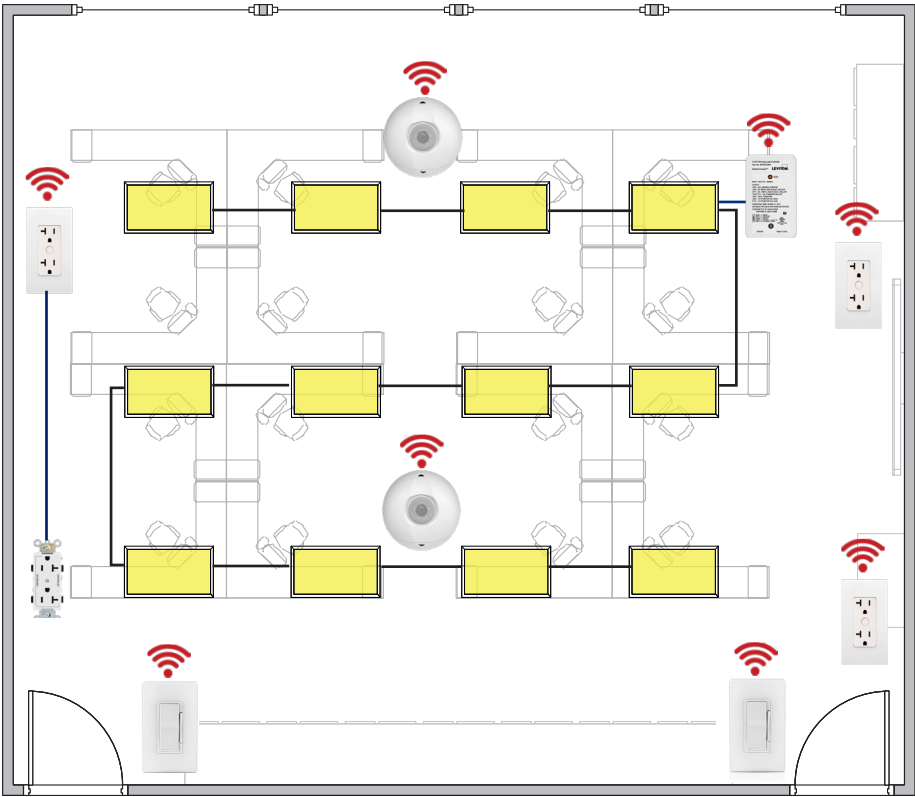
- The system allows individual lighting zones to adjust brightness dynamically based on occupancy
- The occupancy sensor, set to high sensitivity, detects motion and ensures lighting remains on while occupants are present
- If no motion is detected for 30 minutes, the system begins transitioning to a lower power state
- After the time-out period, lights dim to 25% brightness rather than turning fully off
- The system remains at 25% brightness for an additional 15 minutes before turning off completely

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Dimming Load Controller ZK700-D0W Adds wireless control to any 0-10V dimming device	1
	GreenConnect Battery-Powered Companion Dimmer ZBK00-CDW Provides multi-location dimming control	2
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	1
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	2
	Downstream Receptacle 16352-IPW For downstream receptacle control	1

Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.

OPEN OFFICE



Application Notes

- Room contains a single zone of lighting, all configured through Push-to-Pair (P2P) Programming
- Room has outward-facing windows
- Occupancy sensor detects motion, automatically turning lights on/off based on presence
- Daylight harvesting adjusts lighting levels in response to available natural light
- Occupant can access dimming and switching controls via a wireless battery-powered dimmer switch
- Wireless receptacle enables control of downstream electrical loads within the space

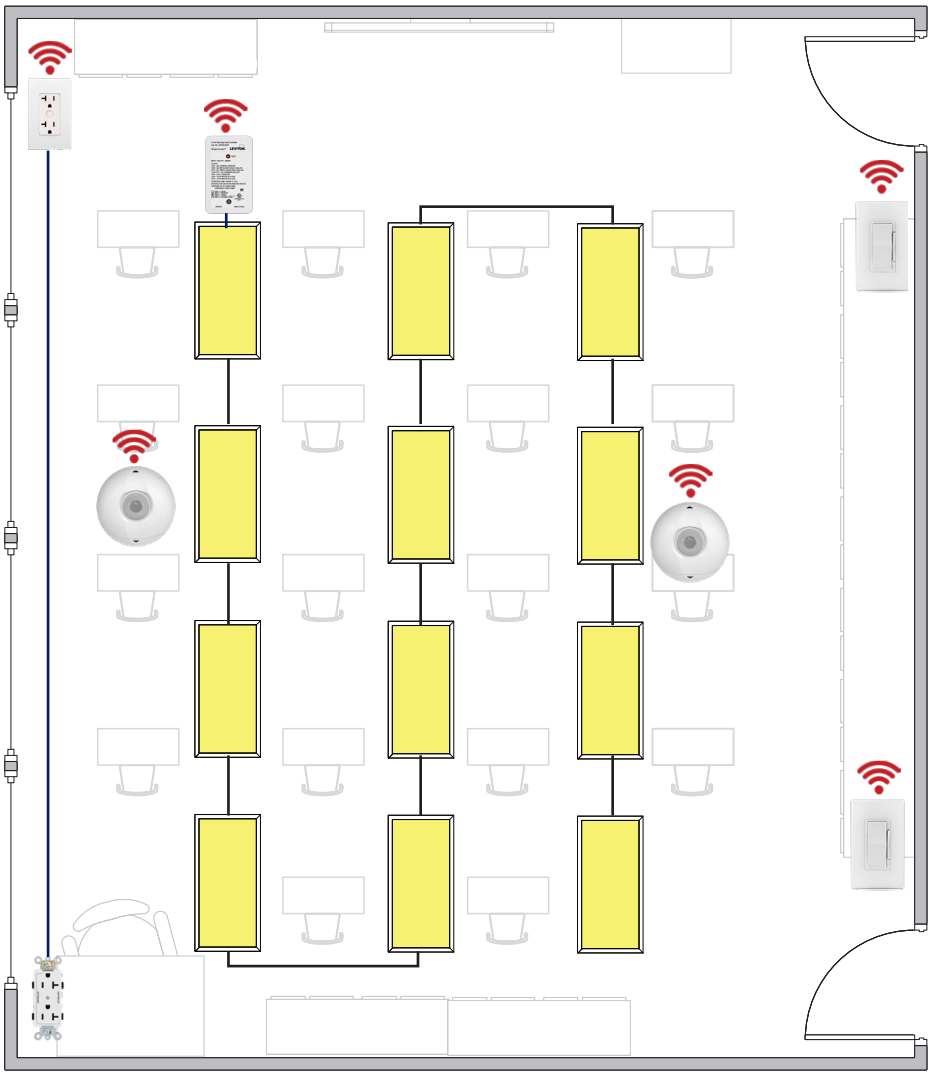
Sequence of Operation

- The system allows individual lighting zones to adjust brightness dynamically based on occupancy and daylight availability
- When an occupant is detected, lights automatically turn on to 50% brightness instead of full intensity
- The occupancy sensor, set to high sensitivity, detects motion and ensures lighting remains on while occupants are present
- If no motion is detected for 15 minutes, the system turns the lights off since partial-OFF is disabled
- The system actively adjusts artificial lighting to maintain the 45FC (foot-candle) daylight target, reducing artificial lighting when sufficient natural light is available

WHAT YOU WILL NEED

GREENCONNECT WIRELESS SOLUTION		QTY
	GreenConnect Wireless 0-10V Dimming Load Controller ZK700-D0W Adds wireless control to any 0-10V dimming device	1
	GreenConnect Battery-Powered Companion Dimmer ZBK00-CDW Provides multi-location dimming control	2
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	2
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	3
	Downstream Receptacle 16352-IPW For downstream receptacle control	1

Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.



Application Notes

- Room contains a single zone of lighting, all configured through Push-to-Pair (P2P) Programming
- Room has outward-facing windows
- Occupancy sensor detects motion, automatically turning lights on/off based on presence
- Daylight harvesting adjusts lighting levels in response to available natural light
- Occupant can access dimming and switching controls via a wireless battery-powered dimmer switch
- Wireless receptacle enables control of downstream electrical loads within the space

Sequence of Operation

- Lighting turns ON to 50% brightness when occupancy is detected
- Controlled receptacles power ON, providing electricity to connected devices
- The occupancy sensor operates at high sensitivity for reliable motion detection
- Any movement keeps lights and controlled receptacles active
- If no motion is detected for 15 minutes, the system prepares to turn OFF
- After the time-out, lights and receptacles turn OFF completely unless occupancy is re-detected
- The system adjusts artificial lighting based on daylight levels, dimming or remaining OFF if natural light meets or exceeds 45FC (foot-candle)

WHAT YOU WILL NEED

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	GreenConnect Wireless 0-10V Dimming Load Controller ZK700-D0W Adds wireless control to any 0-10V dimming device	1
	GreenConnect Battery-Powered Companion Dimmer ZBK00-CDW Provides multi-location dimming control	2
	GreenConnect Wireless PIR Occupancy Sensor & Photocell ZC015-BIW Provides occupancy/vacancy sensing in a space and light level detection	2
	GreenConnect Wireless Controlled Receptacle ZBR20-1SW Install in place of traditional receptacles for plug load control	1
	Downstream Receptacle 16352-IPW For downstream receptacle control	1

Note: Use the ZKS00 Load Controller to switch up to 20A circuit of plug load as an alternative plug load solution to ZBR20 and 16352-1PW.

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