LEVITON®

GreenMAX® DRC Design Guide

Designing a GreenMAX DRC System

How to Put It All Together

Simple Application Rules

- One Room Controller per room
- 100 network devices per Wired Room Controller; 60 network devices per Wireless Room Controller
- Network rooms together via Wi-Fi

1 Identify your Room Requirements

- Sequence of Operation
- Wired or Wireless System
- Sensor Requirements
- User Interface Requirement
- Load Schedule

2 Select the appropriate **ROOM CONTROLLER (One required for each room)**

- For wired applications:
  - If you have any 0-10V control or switching zones, use the Wired Line Voltage Room Controller (DRC00-Ex0)
  - If all of your loads are Phase Cut, DALI, or DMX, use the Wired Low Voltage Room Controller (DRC00-0L0) and a network power supply (DRC00-0D0)
- For wireless applications:
  - Use the Wireless Keypad Room Controller (DRKDN-Uxx)

3 Select your **LOAD CONTROL DEVICE(S)** as needed

- Each load type—0-10V, switching, forward phase control, reverse phase control, DMX, DALI, and your preference of wired vs. wireless, will guide you in your selection — see tables on pages 4-5

4 Add **SENSORS** as needed

- For wired applications:
  - For spaces <500sqft where occupancy/vacancy sensing and daylight harvesting is required, add a Digital Sensor (OSR05-ICW)
    - To use any Leviton Low Voltage Sensor, add the Analog Interface and the desired sensor (Leviton.com/sensors)
    - Ideal for larger spaces or those that require multi-tech sensors
    - Analog Interface (DRID0-C02) required; accommodates two separate sensor zones
- For wireless applications—see table on page 5

5 Select your **USER INTERFACE(S)**

- Use one or more of the following:
  - 1, 2, 4 or 8-Button Keypads with custom engraving available (DRKDN-CxW)
  - GreenMAC DRC Touch Screen with customizable buttons (TS004-00x)
  - Sapphire Touch Screen with customizable buttons and sliders (TS007-000)
  - GreenMAX DRC App

6 For a **NETWORKED SYSTEM**, connect rooms with Wi-Fi access points (commonly provided by others, but can be provided by Leviton)

LOW VOLTAGE CURRENT DRAW	
Low Voltage Room Controller (DRC00-0L0)	435-210mA,+12-24Vdc
Digital Switch (DRKDN)	50-25mA,+12-24Vdc
Digital Sensor (OSR05-ICW)	70-35mA,+12-24Vdc
2-Port AI (DRID0)	35mA + connected device consumption,+12-24Vdc
LumaCAN to DALI Gateway (DRCDD)	60mA,+12-24Vdc
Phase Control Dimmer (DRDDP-A40)	100mA
Phase Control Dimmer (DRDDP-A20)	0mA
Smart Pack (DRD07-ED0)	

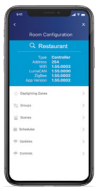
POWER SUPPLIES	
GreenMAX DRC Power Supply (DRC00-0D0)	500mA
LumaCAN Power Supply (PST24-R41) • Full capacity available on terminals • Commonly used with 6-Port Repeater (NPRPT-6)	3 * 1500mA on RJ45 4100mA Max
DIN Rail Power Supply (PST24-I10)	1000mA

Designing a GreenMAX DRC System

Wired

Room Controllers (One required per room)

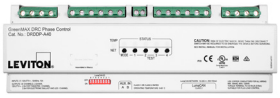
- The “brain” of the GreenMAX DRC Room Control system
- Manages all the energy management functions in the space

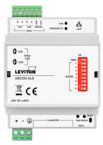


GreenMAX DRC App	Line Voltage Room Controllers	Low Voltage Room Controller
Download at the Apple App Store or Google Play	DRC07-ED0 / DRC07-E30	DRC00-0L0

Load Controls

- Integrate lighting fixtures into the GreenMAX DRC Room Control system
- Incorporates various lighting loads seamlessly into th e same GreenMAX DRC Room Control System





Smart Pack	Phase Control Dimmers	DALI Gateway	LumaCAN Gateway
DRD07-ED0 / DRD07-E30	DRDDP-A20/ DRDDP-A40	DRCDD-0L0	NP00G-000

Sensors

- Gather information from the space and send consistent feedback to the GreenMAX DRC Room Controller
- Allow for daylighting, occupancy/vacancy sensing, etc.

Digital Sensor	Analog Sensors	Analog Interface (AI) (for use with Analog Sensors)
OSR05/OSR15	Visit Leviton.com/sensors	DRID0-A20/DRID0-A40

User Interfaces

- Allow users to access system features either manually from within the room or remotely
- Recall scenes, zones, dimming/switching levels, and other previously configured information

Digital Keypads*	Sapphire™ Touch Screen
DRKDN-Cxx	TS007-000

* Antimicrobial Keypads and Wallplates available. Contact factory for additional information.

Wireless

Keypad Room Controllers (One required per room)

- The “brain” of a GreenMAX DRC Wireless Room Control System when used with Wireless devices
- Manages all the energy management functions in the space with no extra wires

GreenMAX DRC App	Wireless Keypad Room Controllers*
Download at the Apple App Store or Google Play	DRKDN-Uxx

* Antimicrobial Keypad Room Controllers and Wallplates available. Contact factory for additional information.

Load Control Devices

- Expand GreenMAX DRC capabilities with wireless devices. Add wireless control to any ON/OFF, 0-10V dimming or phase cut dimming device

20A ON/OFF Switching Load Controller	10A 0-10V Dimming Load Controller	800W Phase Cut Dimming Load Controller	10A ON/OFF Wall Switch	0-10V Wall Dimmer, 120-277V	10A 0-10V Wall Dimmer, 347V	1000W Forward Phase Dimmer	Companion Dimmer & Switch	Multi-Way Remote	Controlled Receptacle
ZKS00-D0W	ZK700-D0W	ZKM00-10W	ZBS00-D0W	ZB700-D0Z	ZB700-30Z	ZBM00-10W	ZBKxx-xxx	DLDNK-xxx	ZBR20-1SW

Intellect-Enabled Fixtures by Leviton Lighting Brands and Other Manufacturers*

- Virtually any fixture can be Intellect-enabled with wireless occupancy/vacancy sensing and dimming control

VISCOR			ConTech Lighting				Birchwood Lighting	Intense Lighting
ALRM/ ALRA/ALRB	LRTG	LRTH	LCOMN SQ	R4NCIE	R4SQNCIE	R6NCIE	JAKE-LED	SS4G4DR

* Contact factory for additional information.

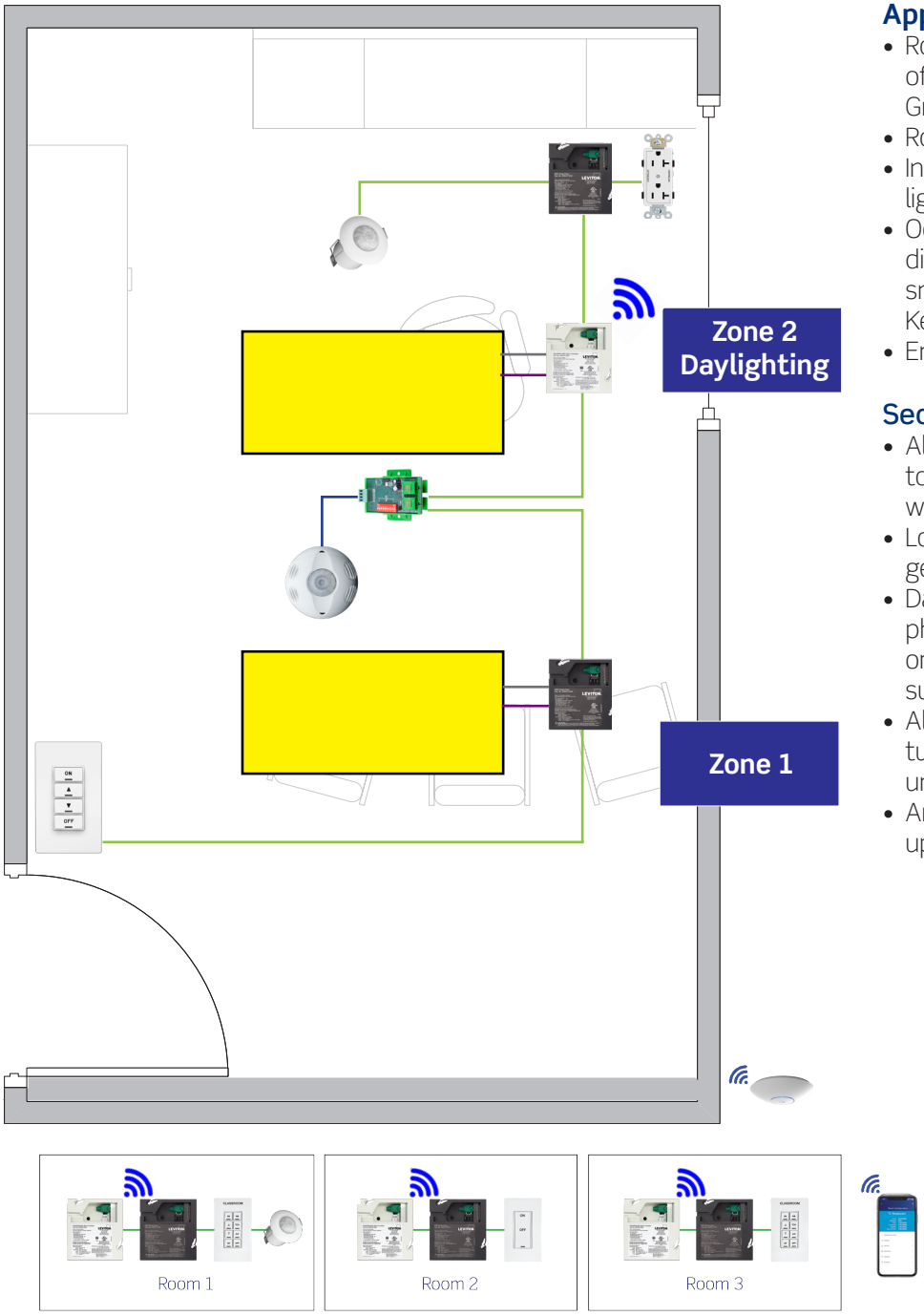
Sensor

- Gather information from the space and send consistent feedback to the GreenMAX DRC Keypad Room Controller
- Allow for daylighting, occupancy/vacancy sensing, etc.

Wireless PIR Occupancy Sensors
ZC015-BIW

Applications

GreenMAX DRC Wired for 2-Zone Plus Daylighting Plus Plug Load Control, Typical



Application Notes

- Room contains two separate zones of lighting, all configured through the GreenMAX DRC App.
- Room has outward-facing windows.
- Individual zones respond to ambient light within the space.
- Occupant can access scenes and dimming/switching controls via their smart device, or by utilizing the manual Keypad control.
- Emergency lighting capable.

Sequence of Operation

- All zone 1 and zone 2 lighting auto-on to 50% and controlled receptacles on when occupancy is detected.
- Local control and bi-level control of general lighting from keypad.
- Daylight zone 1 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting and controlled receptacles to turn off automatically when the space is unoccupied after 20 minutes.
- Any designated egress lighting to be on upon loss of building power.

Alternative Solutions

Single Zone

Smart Wallbox Sensors

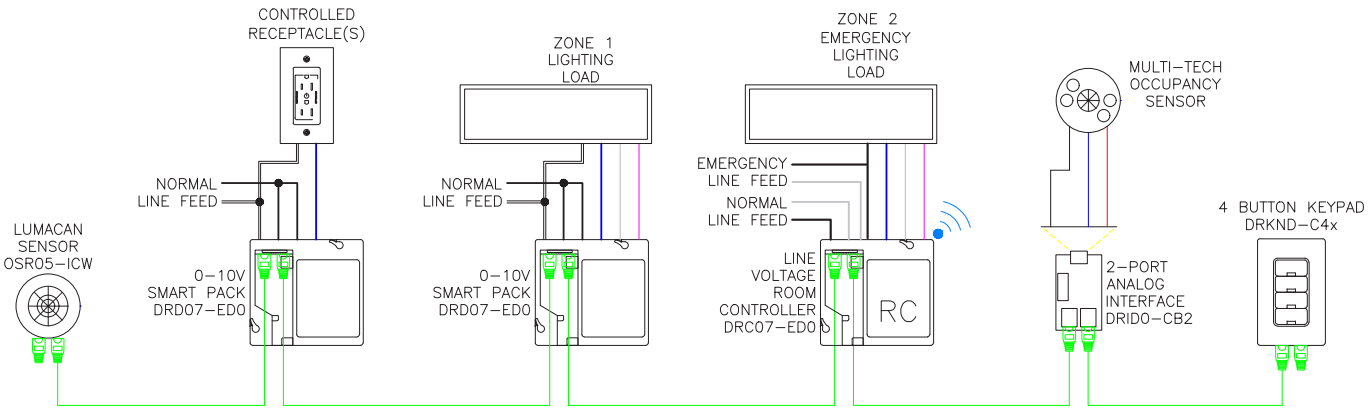
- Combines occupancy/vacancy sensing with 0-10V dimming or switching
- Integrated photocell for daylighting hold-OFF
- Configure additional capabilities with the Smart Sensor App

Primary and Secondary Daylight Zones

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting
- Configure using the Smart Sensor App

GreenMAX DRC Wired for 2-Zone Plus Daylighting Plus Plug Load Control, Typical



Room Highlights

- 2 Zones
- Occupancy/Vacancy Sensing
- Scene Control
- Daylighting
- Plug Load Control
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC Line Voltage Room Controller DRC07-ED0	1
	GreenMAX DRC 0-10V Smart Pack DRD07-ED0	2
	GreenMAX DRC Digital Sensor OSR05-ICW	1
	GreenMAX DRC Analog Interface (AI) DRID0-C02	1
	Analog Occupancy Sensor OSCxx-MWW	1
	GreenMAX DRC 4-Button Digital Keypad DRKDN-C4W	1
	Marked Controlled Receptacle 16352-2PW	1

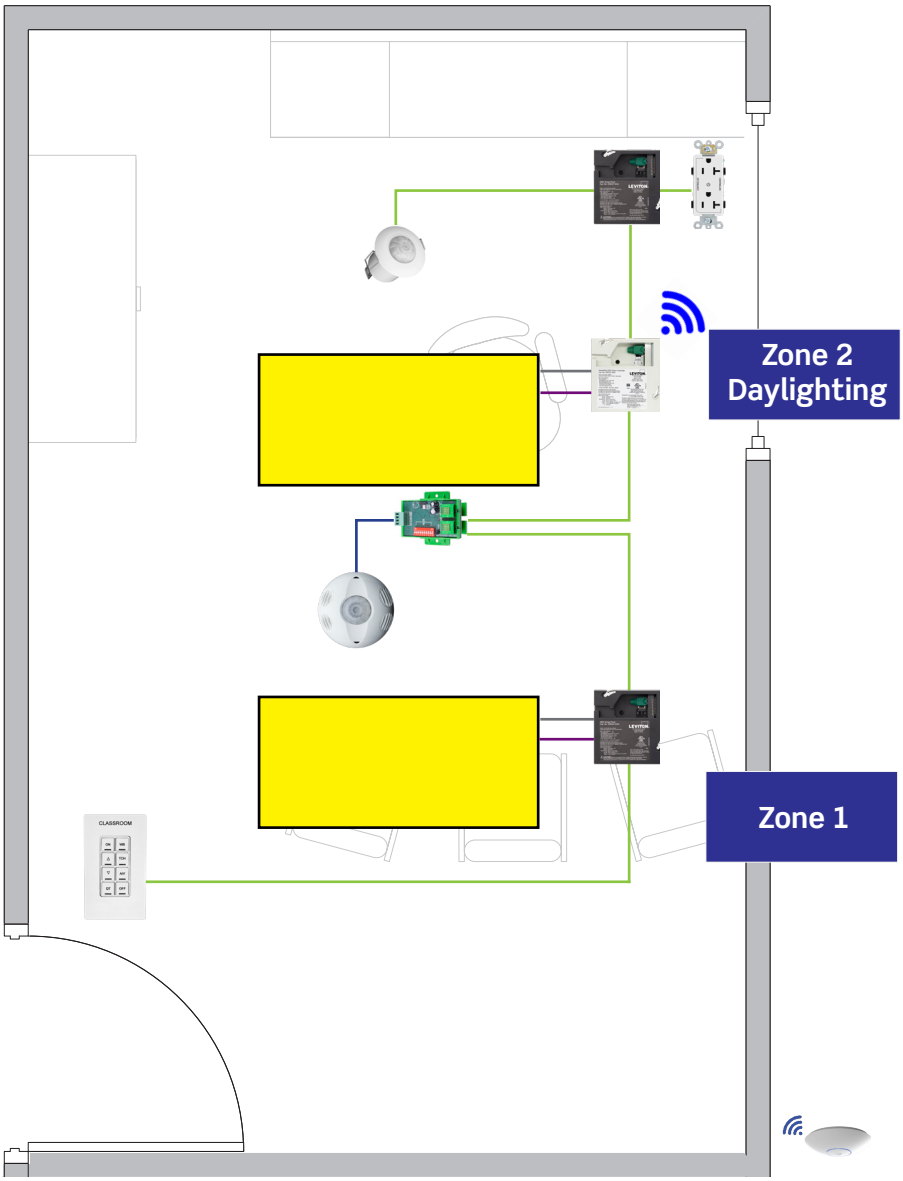
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wired for 2-Zone Plus Daylighting and Plug Load Control, Typical



Application Notes

- Room contains two separate zones of lighting, all configured through the GreenMAX DRC App.
- Room has outward-facing windows.
- Individual zones respond to ambient light within the space.
- Occupant can access scenes and dimming/switching controls via their smart device, or by utilizing the manual Keypad control.
- Emergency lighting capable.

Sequence of Operation

- All zone 1 and zone 2 lighting auto-on to 50% and controlled receptacles on when occupancy is detected.
- Local control and bi-level control of general lighting from keypad.
- Daylight zone 1 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting and controlled receptacles to turn off automatically when the space is unoccupied after 20 minutes.
- Any designated egress lighting to be on upon loss of building power.

Alternative Solutions

Single Zone

Smart Wallbox Sensors

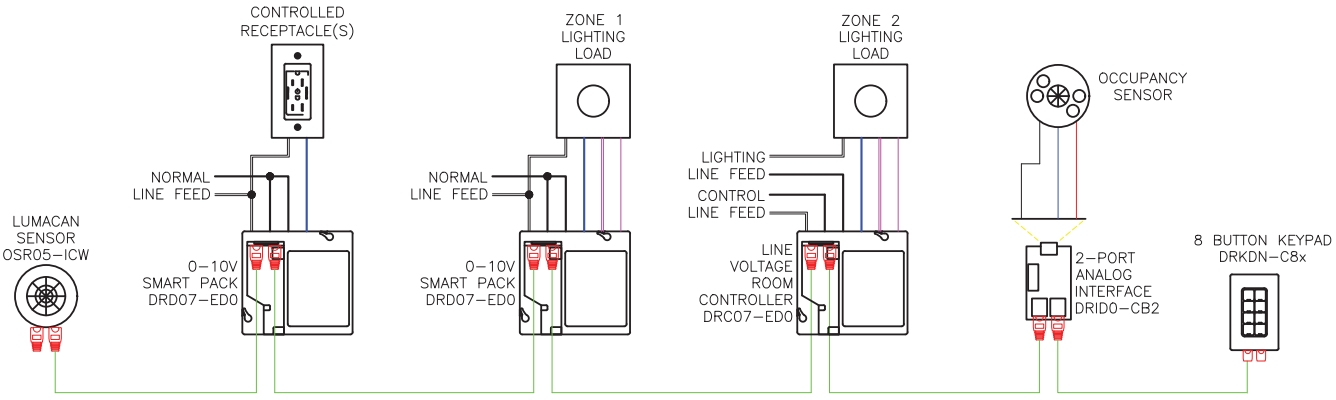
- Combines occupancy/vacancy sensing with 0-10V dimming or switching
- Integrated photocell for daylighting hold-OFF
- Configure additional capabilities with the Smart Sensor App

Primary and Secondary Daylight Zones

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting
- Configure using the Smart Sensor App

GreenMAX DRC Wired for 2-Zone Plus Daylighting and Plug Load Control, Typical



Room Highlights

- 2 Zones
- Occupancy/Vacancy Sensing
- Scene Control
- Daylighting
- Plug Load Control
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC Line Voltage Room Controller DRC07-ED0	1
	GreenMAX DRC 0-10V Smart Pack DRD07-ED0	2
	GreenMAX DRC Digital Sensor OSR05-ICW	1
	GreenMAX DRC Analog Interface (AI) DRID0-C02	1
	Analog Occupancy Sensor OSCxx-MWW	1
	GreenMAX DRC 8-Button Digital Keypad DRKDN-C8W	1
	Marked Controlled Receptacle 16352-2PW	1

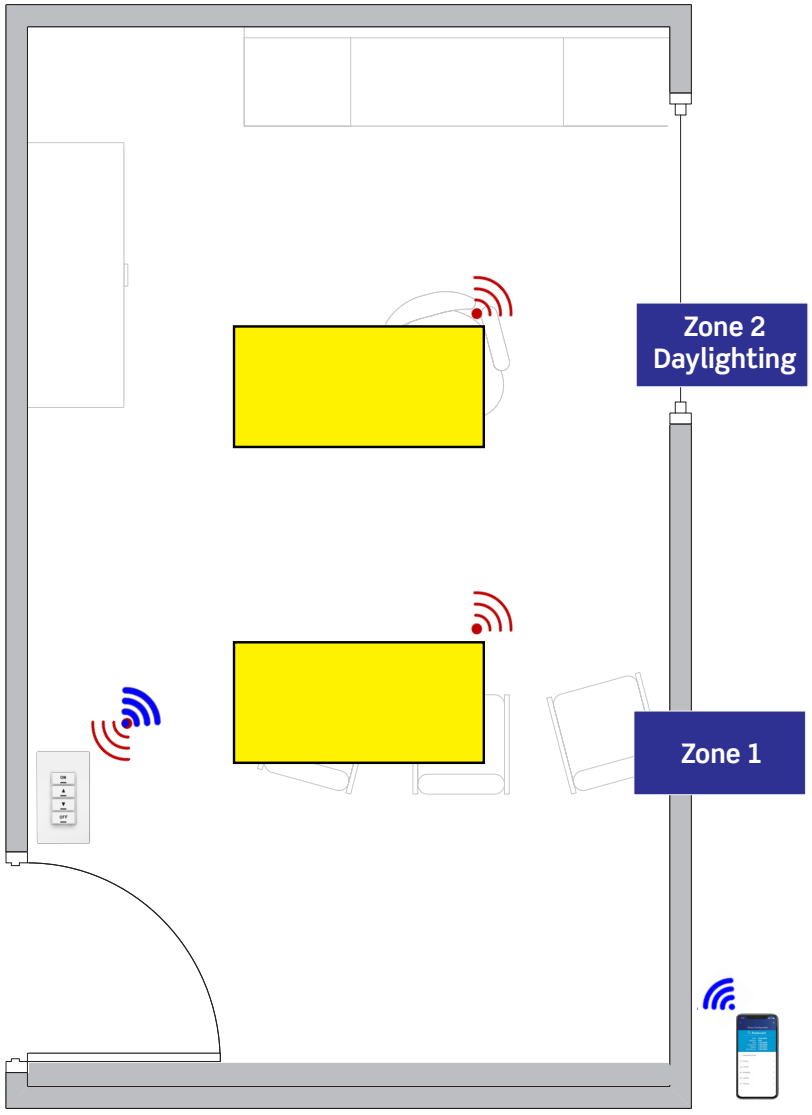
* Note that code updates are highlighted.

Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

Applications

GreenMAX DRC Wireless with Intellect-enabled Fixtures for 2-Zone Plus Daylight Harvesting, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Room contains two separate zones of lighting, all configured through the GreenMAX DRC App.
- Room has outward-facing windows
- Individual zones respond to ambient light within the space.
- Occupant can access scenes and dimming/switching controls via their smart device, or by utilizing the manual Keypad control.
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space..
- Emergency lighting capable.

Sequence of Operation

- Wi-Fi interface for configuration, control and status monitoring
- All zone 1 and zone 2 lighting auto-on to 50% and controlled receptacles on when occupancy is detected.
- Local control and bi-level control of general lighting from keypad.
- Daylight zone 1 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting to turn off automatically when the space is unoccupied after 20 minutes.
- Any designated egress lighting to be on upon loss of building power.

Alternative Solutions

Single Zone

Smart Wallbox Sensors

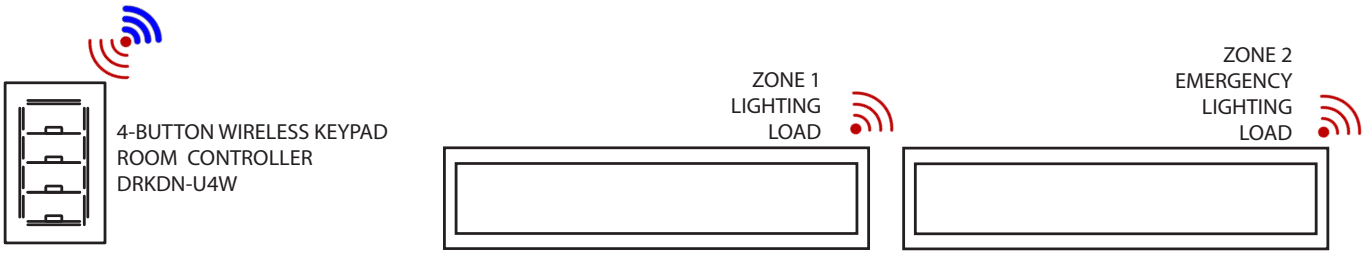
- Combines occupancy/vacancy sensing with 0-10V dimming or switching
- Integrated photocell for daylighting hold-OFF
- Configure additional capabilities with the Smart Sensor App

Primary and Secondary Daylight Zones

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting
- Configure using the Smart Sensor App

GreenMAX DRC Wireless with Intellect-enabled Fixtures for 2-Zone Plus Daylight Harvesting, Typical



Room Highlights

- Wi-Fi Networking
- 2 Zones
- Occupancy/Vacancy Sensing
- Scheduling
- Scene Control
- Daylighting
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC 4-Button Wireless Keypad Room Controller DRKDN-U4W	1
	Intellect-enabled Fixture LRTH2x2-LED835UNV-LV01	2

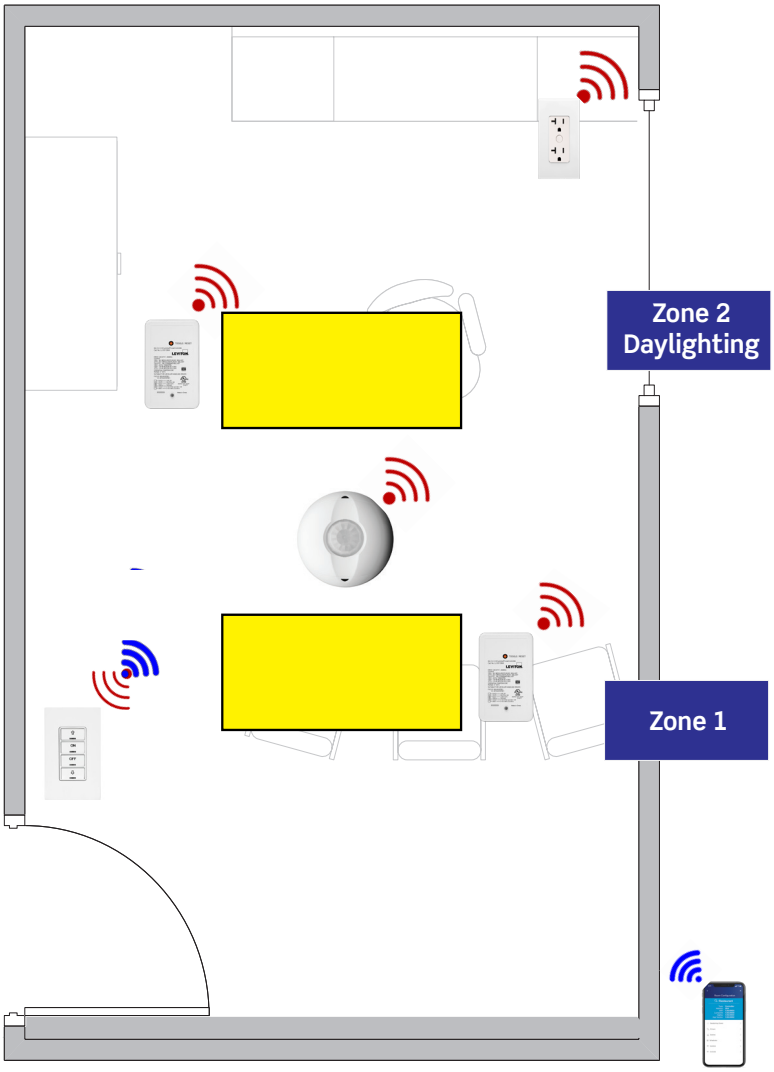
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wireless with 0-10V Dimming, Occupancy/Vacancy Sensing Control and Receptacle Control for 2-Zone Plus Daylighting and Plug Load Control, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Room contains two separate zones of lighting, all configured through the GreenMAX DRC App.
- Room has outward-facing windows
- Individual zones respond to ambient light within the space.
- Occupant can access scenes and dimming/switching controls via their smart device, or by utilizing the manual Keypad control.
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space.

Sequence of Operation

- Wi-Fi interface for configuration, control and status monitoring
- All zone 1 and zone 2 lighting auto-on to 50%.
- Local control and bi-level control of general lighting from keypad.
- Daylight zone 1 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting to turn off automatically when the space is unoccupied after 20 minutes.

Alternative Solutions

Single Zone

Smart Wallbox Sensors

- Combines occupancy/vacancy sensing with 0-10V dimming or switching
- Integrated photocell for daylighting hold-OFF
- Configure additional capabilities with the Smart Sensor App

Primary and Secondary Daylight Zones

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting
- Configure using the Smart Sensor App

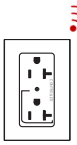
GreenMAX DRC Wireless with 0-10V Dimming, Occupancy/Vacancy Sensing Control and Receptacle Control for 2-Zone Plus Daylighting and Plug Load Control, Typical

4-BUTTON WIRELESS KEYPAD ROOM CONTROLLER DRKDN-U4W

WIRELESS 10A, 0-10V DIMMING LOAD CONTROLLER ZK700-D0W

WIRELESS 10A, 0-10V DIMMING LOAD CONTROLLER ZK700-D0W

WIRELESS PIR OCCUPANCY SENSOR & PHOTOCELL ZC015-BIW



WIRELESS CONTROLLED RECEPTACLE ZBR20-1SW

Room Highlights

- Wi-Fi Networking
- 2 Zones
- Occupancy/Vacancy Sensing
- Scheduling
- Scene Control
- 0-10V Dimming
- Plug Load Control

What You Will Need

		Quantity
	GreenMAX DRC 4-Button Wireless Keypad Room Controller DRKDN-U4W	1
	Wireless 10A, 0-10V Dimming Load Controller ZK700-D0W	2
	Wireless PIR Occupancy Sensor & Photocell ZC015-BIW	1
	Controlled Receptacle ZBR20-1SW	Varies

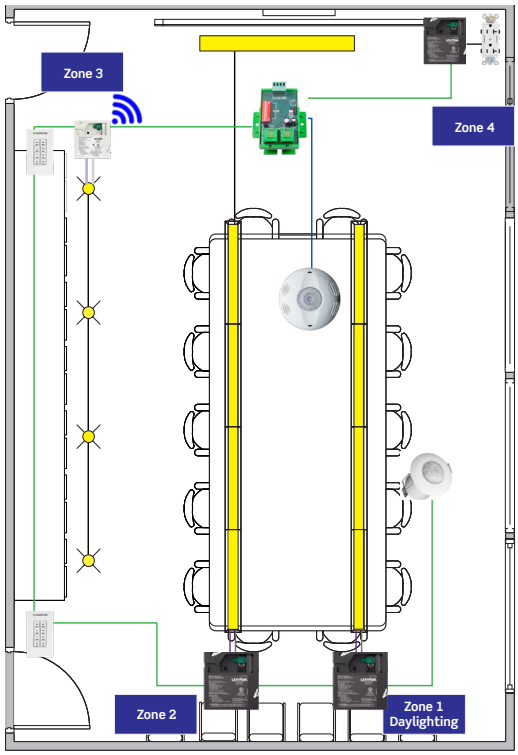
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wired for 4-Zone Plus Daylighting and Plug Load Control,Typical



For a networked system, connect spaces via WiFi with the App.

Application Notes

- Space contains four separate zones of lighting, all configured through the GreenMAX DRC App.
- Zones can be rearranged, combined, or deleted with any changes to the usage or setup of the area.
- Multi-tech sensors continually monitor the area and switch all lighting, regardless of zone, off when the area is vacant, and are sensitive enough to detect minor movements, to prevent false-offs
- Emergency lighting capable.

Sequence of Operation

- All zones 1, 2, and 3 manual on with keypads, and controlled receptacles auto-on when occupancy is detected.
- Local control, bi-level control, and any required scene control of general lighting from keypads.
- Daylight zone 3 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting and controlled receptacles to turn off automatically when the space is unoccupied after 20 minutes.
- Any designated egress lighting to be on upon loss of building power.

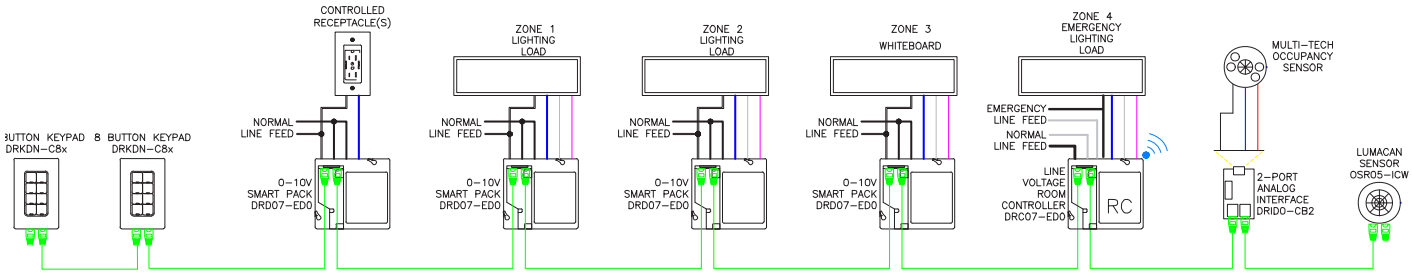
Alternative Solutions

Wireless Multi-Zone Control

GreenMAX DRC Wireless Devices

- Add wireless control to any ON/OFF or 0-10V or phase cut dimming device
- Configure using the GreenMAX DRC App
- Add wireless occupancy/vacancy sensors and photocells with no additional wiring needed

GreenMAX DRC Wired for 4-Zone Plus Daylighting and Plug Load Control,Typical



Room Highlights

- 4 Zones
- Occupancy/Vacancy Sensing
- Scene Control
- Daylighting
- Multi-Way Switching
- Plug Load Control
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC Line Voltage Room Controller DRC07-ED0	1
	GreenMAX DRC 0-10V Smart Pack DRD07-ED0	3
	GreenMAX DRC Digital Sensor OSR05-ICW	1
	GreenMAX DRC Analog Interface (AI) DRID0-C02	1
	Analog Occupancy Sensor OSCxx-MWW	1
	GreenMAX DRC 8-Button Digital Keypad DRKDN-C8W	2
	Marked Controlled Receptacles 16352-2PW	1

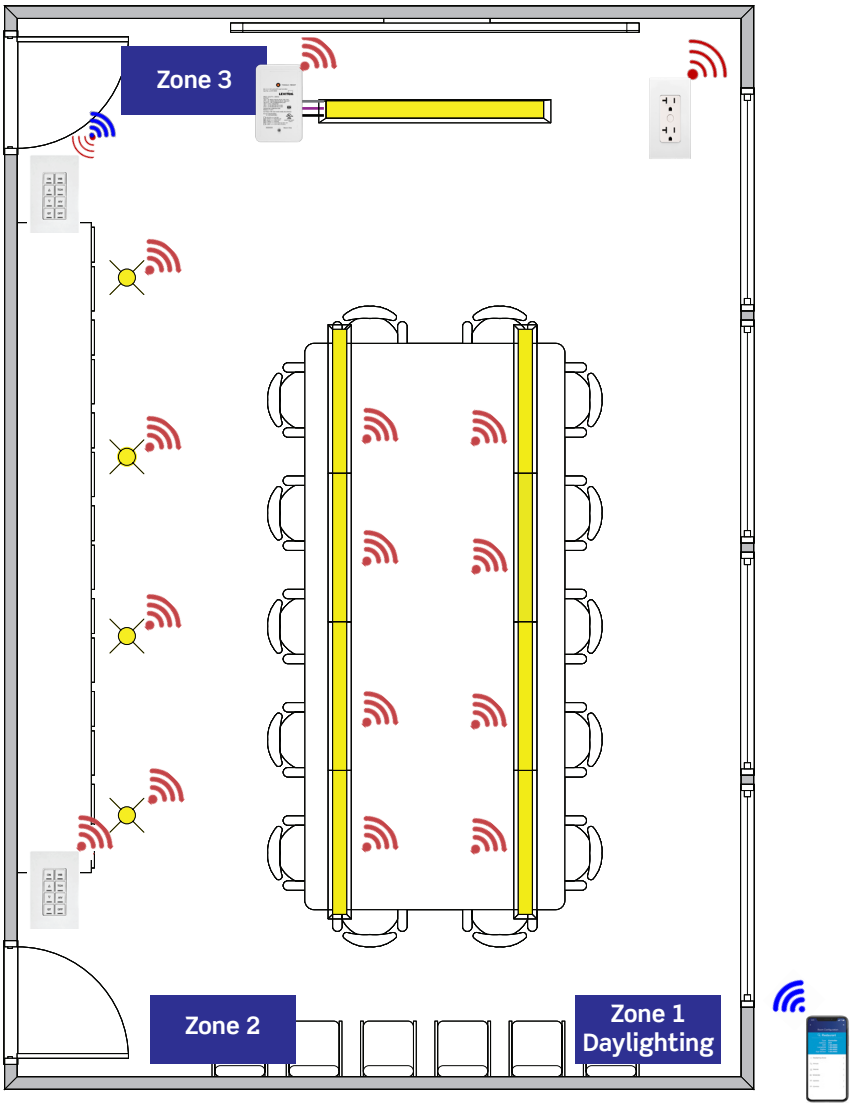
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wireless with Intellect-enabled Fixtures and Wireless Devices with Single Zone 0-10V, Relay Control, and Receptacle Control for 3-Zone Plus Daylighting and Plug Load Control, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Space contains three separate zones of lighting, all configured through the GreenMAX DRC App.
- Zones can be rearranged, combined, or deleted with any changes to the usage or setup of the area.
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space.
- Emergency lighting capable.

Sequence of Operation

- Wi-Fi interface for configuration, control and status with keypads, and controlled receptacles auto-on when occupancy is detected.
- Local control, bi-level control, and any required scene control of general lighting from keypads.
- Daylight zone 3 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting and controlled receptacles to turn off automatically when the space is unoccupied after 20 minutes.
- Any designated egress lighting to be on upon loss of building power.

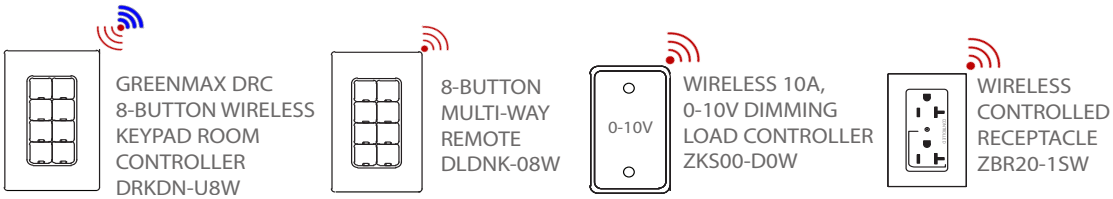
Alternative Solution

Primary and Secondary Daylight Zone

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting, partial-ON, partial-OFF and demand response
- Configure using the Smart Sensor App

GreenMAX DRC Wireless with Intellect-enabled Fixtures and Wireless Devices with Single Zone 0-10V, Relay Control, and Receptacle Control for 3-Zone Plus Daylighting and Plug Load Control, Typical



GREENMAX DRC 8-BUTTON WIRELESS KEYPAD ROOM CONTROLLER DRKDN-U8W

8-BUTTON MULTI-WAY REMOTE DLDNK-08W

WIRELESS 10A, 0-10V DIMMING LOAD CONTROLLER ZKS00-D0W

WIRELESS CONTROLLED RECEPTACLE ZBR20-1SW

Room Highlights

- Wi-Fi Networking
- 3 Zones
- Occupancy/Vacancy Sensing
- Scheduling
- Scene Control
- Daylighting
- Multi-Way Switching
- Plug Load Control
- Emergency Lighting

What You Will Need

		Quantity
	GreenMAX DRC 8-Button Wireless Keypad Room Controller DRKDN-U8W	1
	8-Button Wireless Multi-Way Remote DLDNK-08W	1
	Wireless 20A ON/OFF Switching Load Controller ZKS00-D0W	1
	Intellect-enabled Fixture ALRM-XX-LED	8
	Controlled Receptacle ZBR20-1SW	Varies
	Intellect-enabled Fixture R4NCIE	4

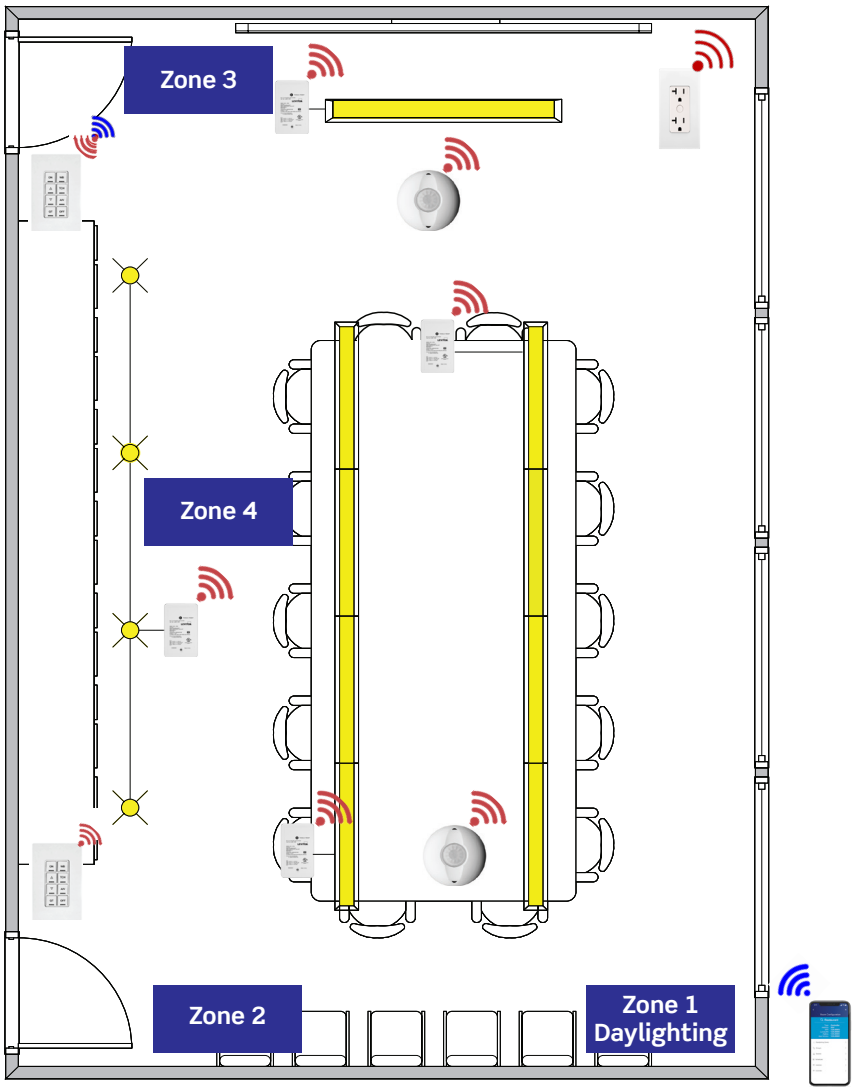
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wireless with 0-10V Dimming , Scene Control, Occupancy/Vacancy Sensing, and Receptacle Control for 4 Zone Plus Daylighting and Plug Load Control, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Space contains four separate zones of lighting, all configured through the GreenMAX DRC App.
- Zones can be rearranged, combined, or deleted with any changes to the usage or setup of the area.
- Multi-tech sensors continually monitor the area and switch all lighting, regardless of zone, off when the area is vacant, and are sensitive enough to detect minor movements, to prevent false-offs
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space.
- Emergency lighting capable.

Sequence of Operation

- Wi-Fi interface for configuration, control and status with keypads, and controlled receptacles auto-on when occupancy is detected.
- Local control, bi-level control, and any required scene control of general lighting from keypads.
- Daylight zone 3 to dim based on photocell input when there is 150W or greater of lighting in the zone and sufficient daylight is available.
- All lighting and controlled receptacles to turn off automatically when the space is unoccupied after 20 minutes.
- Any designated egress lighting to be on upon loss of building power.

Alternative Solution

Primary and Secondary Daylight Zone

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting, partial-ON, partial-OFF and demand response
- Configure using the Smart Sensor App

GreenMAX DRC Wireless with 0-10V Dimming , Scene Control, Occupancy/Vacancy Sensing, and Receptacle Control for 4 Zone Plus Daylighting and Plug Load Control, Typical

Room Highlights

- Wi-Fi Networking
- 4 Zones
- Occupancy/Vacancy Sensing
- Scene Control
- Scheduling
- Daylighting
- Multi-Way Switching
- Plug Load Control
- Emergency Lighting

What You Will Need

		Quantity
	GreenMAX DRC 8-Button Wireless Keypad Room Controller DRKDN-U8W	1
	8-Button Wireless Multi-Way Remote DLDNK-08W	1
	Wireless 10A, 0-10V Dimming Load Controller ZK700-D0W	4
	Wireless PIR Occupancy Sensor & Photocell ZC015-BIW	2
	Wireless Controlled Receptacle ZBR20-1SW	Varies

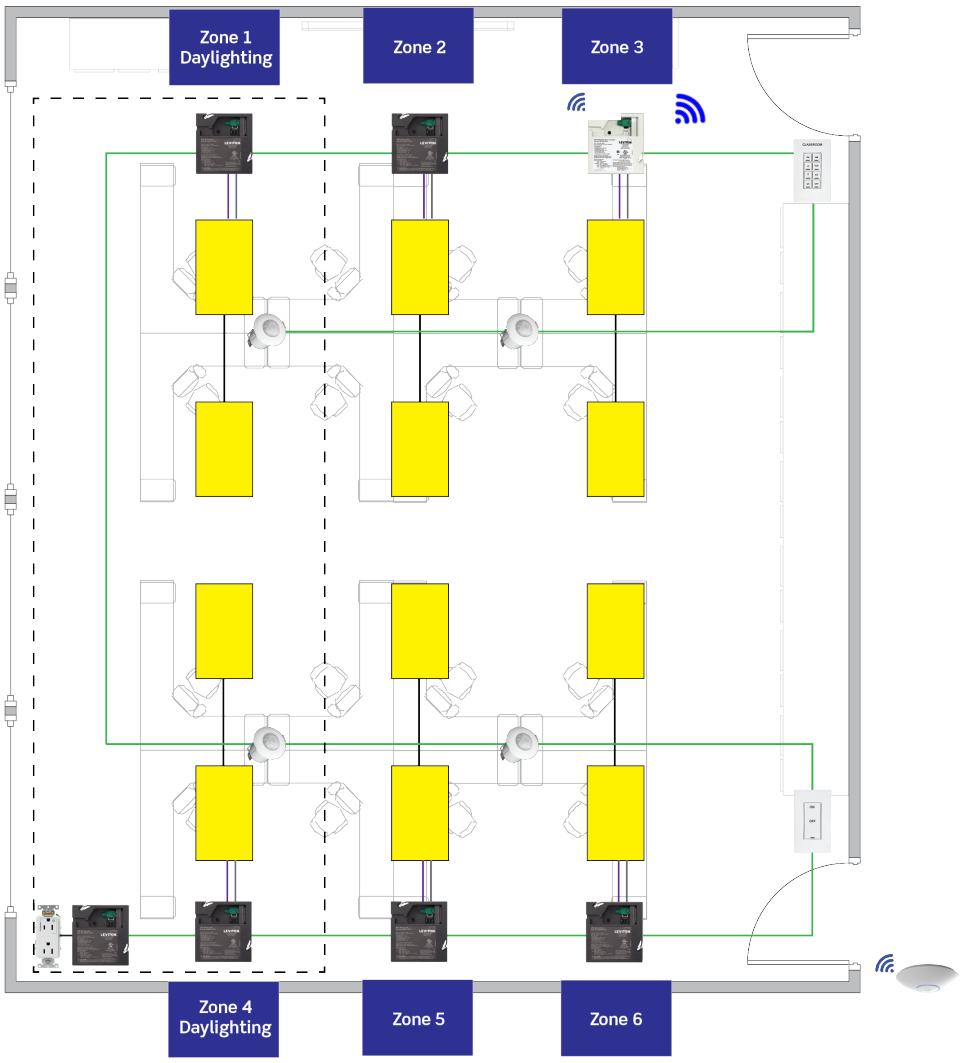
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

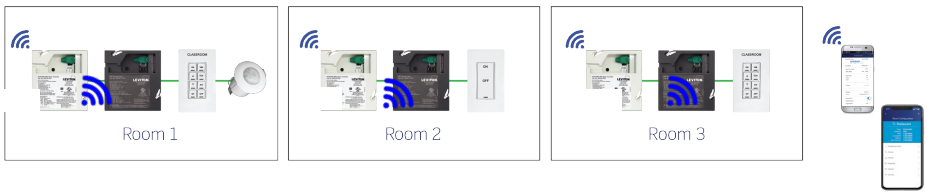
* Note that code updates are highlighted.

Applications

GreenMAX DRC Wired for 6-Zone Plus Daylighting and Plug Load Control, Typical



For a networked system, connect spaces via WiFi with the App.



Application Notes

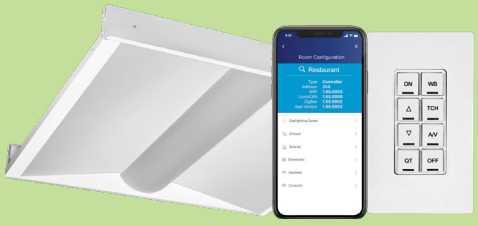
- Space contains six separate zones of lighting, all configured through the GreenMAX DRC App.
- Zones can be rearranged, combined, or deleted with any changes to the usage or setup of the area.
- Passive infrared sensors continually monitor the area and switch all lighting, regardless of zone, off when the area is vacant, and are sensitive enough to detect minor movements, to prevent false-offs
- Emergency lighting capable.

Sequence of Operation

- All lighting and controlled receptacles in zones 1, 2, 3, 4, 5, and 6 automatically turned on upon occupancy.
- Daylight zones 1 and 4 to be dimmed via photocell when sufficient daylight is available.
- Areas within the space to be divided into 600SF or smaller occupancy zones. For example: area 1 includes zones 1 and 2, area 2 includes zones 4 and 5.
- When any occupancy area is empty, lighting power in that area to be reduced by at least 80%, and daylight zones become inactive within 20 minutes of occupant leaving the space. Lighting in that area to return to 100% and daylight controls to be restored upon the area being reoccupied.
- All light to be turned off via occupancy sensor when zones 1-6 are unoccupied for 20 minutes.
- Local control and any required scene control of general lighting from keypads.
- Any designated egress lighting to be on upon loss of building power.

Alternative Solution

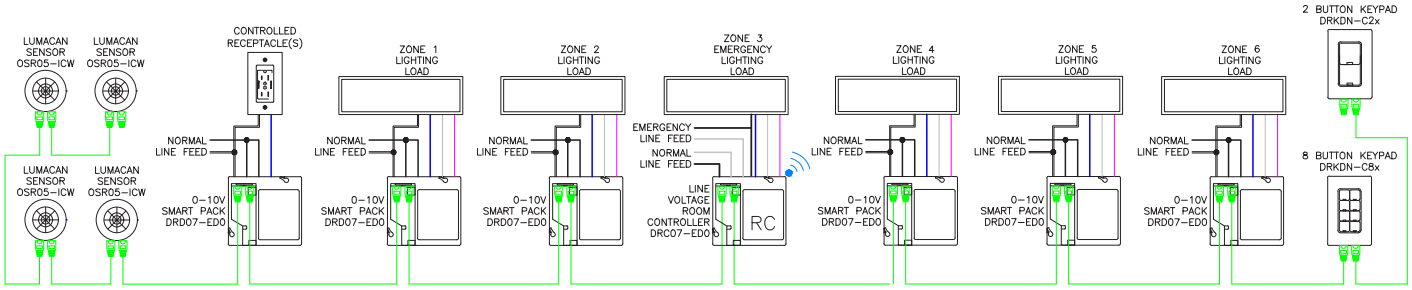
Wireless Multi-Zone Control



GreenMAX DRC with Intellect-enabled Fixtures

- Virtually any fixture can be Intellect-enabled with wireless occupancy/vacancy sensing and daylighting capabilities
- GreenMAX DRC Keypad Room Controllers add manual and scene control
- Configure using the GreenMAX DRC App

GreenMAX DRC Wired for 6-Zone Plus Daylighting and Plug Load Control, Typical



Room Highlights

- 6 Zones
- 2 Occupancy Zones
- Occupancy/Vacancy Sensing
- Scene Control
- Daylighting
- Multi-Way Switching
- Plug Load Control
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC Line Voltage Room Controller DRC07-ED0	1
	GreenMAX DRC 0-10V Smart Pack DRD07-ED0	6
	GreenMAX DRC Digital Sensor OSR05-ICW	4
	GreenMAX DRC 8-Button Digital Keypad DRKDN-C8W	1
	GreenMAX DRC 1-Button Digital Keypad DRKDN-C1W	1
	Marked Controlled Receptacles 16352-2PW	1

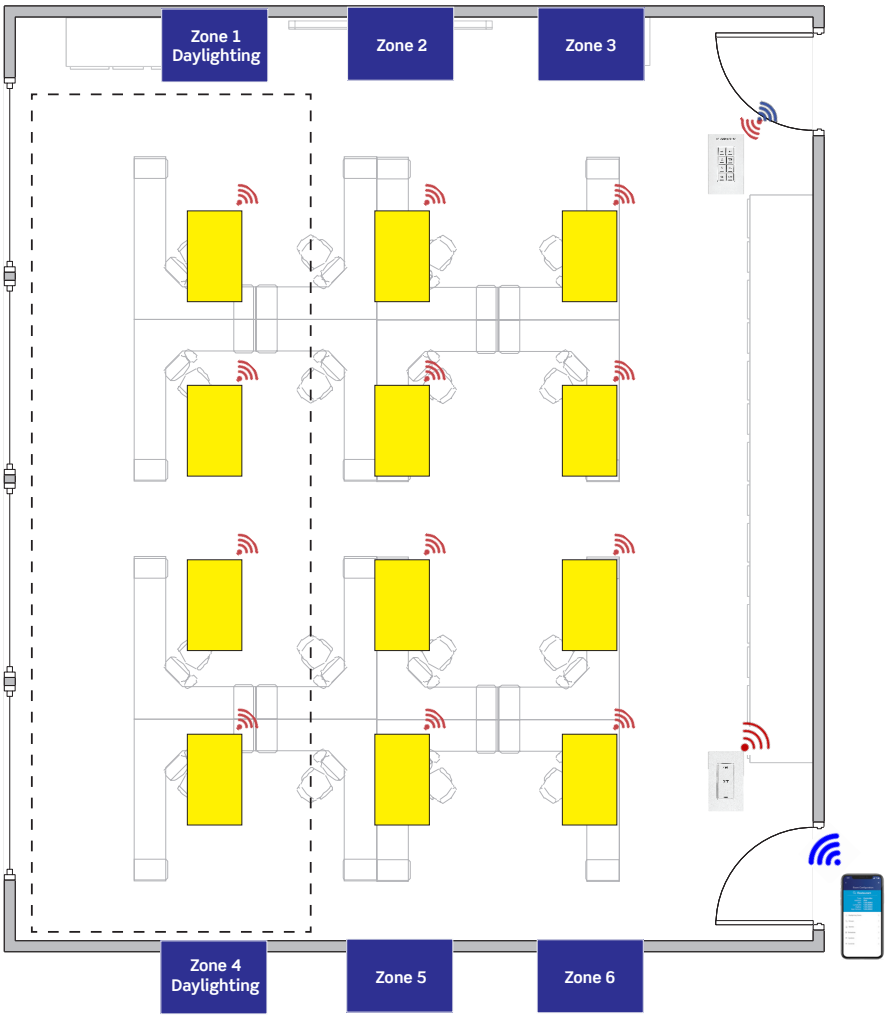
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wireless for 6-Zone with Intellect-enabled Fixtures and Wireless Devices Plus Daylighting, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Space contains six separate zones of lighting, all configured through the GreenMAX DRC App to prevent false-offs
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space.
- Emergency lighting capable.

Sequence of Operation

- All lighting and controlled receptacles in zones 1, 2, 3, 4, 5, and 6 automatically turned on upon occupancy.
- Daylight zones 1 and 4 to be dimmed via photocell when sufficient daylight is available.
- Areas within the space to be divided into 600SF or smaller occupancy zones. For example: area 1 includes zones 1 and 2, area 2 includes zones 4 and 5.
- When any occupancy area is empty, lighting power in that area to be reduced by at least 80%, and daylight zones become inactive within 20 minutes of occupant leaving the space. Lighting in that area to return to 100% and daylight controls to be restored upon the area being reoccupied.
- All light to be turned off via occupancy sensor when zones 1-6 are unoccupied for 20 minutes.
- Local control and any required scene control of general lighting from keypads.

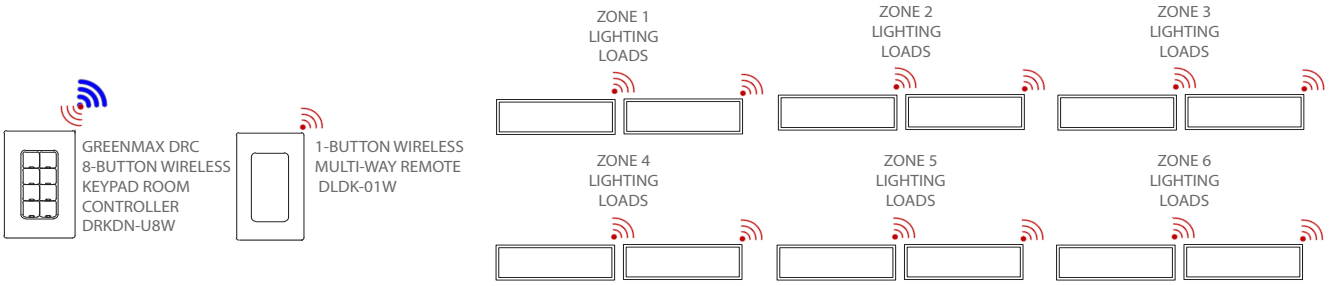
Alternative Solution

Individual Wireless Fixture Control

Wireless Devices

- Add wireless control to any ON/OFF, 0-10V\, or phase cut dimming device
- Configure using the GreenMAX DRC App
- Add wireless occupancy/vacancy sensors and photocells with no additional wiring needed

GreenMAX DRC Wireless for 6-Zone with Intellect-enabled Fixtures and Wireless Devices Plus Daylighting, Typical



Room Highlights

- Wi-Fi Networking
- 6 Zones
- 2 Occupancy Zones
- Occupancy/Vacancy Sensing
- Scheduling
- Scene Control
- Daylighting
- Multi-Way Switching
- Emergency Lighting

What You Will Need

		Quantity
	8-Button Wireless Keypad Room Controller DRKDN-U8W	1
	1-Button Wireless Multi-Way Remote DLDNK-01W	1
	Intellect-enabled Fixture LRTH2x2-LED835UNV-LV01	12

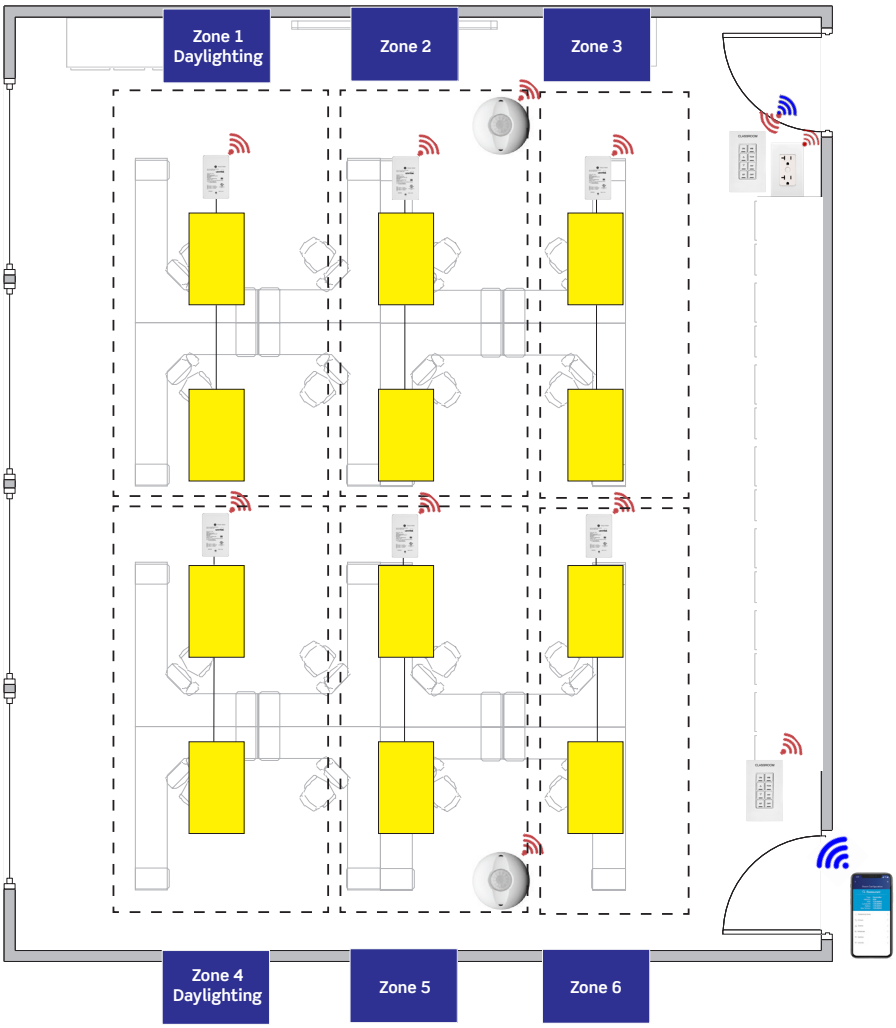
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.1.3	• Open Plan Office Occupancy Sensing Control
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
ASHRAE 90.1 2022	
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 110.12(c)	• Demand Management Controls

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wireless for 6 Zone, Plus 0-10V Dimming, Scene Control, Occupancy/Vacancy Sensing, Plug Load Control and Multi-Zone Daylight Harvesting and Plug Load Control, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Space contains six separate zones of lighting, all configured through the GreenMAX DRC App to prevent false-offs
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space.
- Emergency lighting capable.

Sequence of Operation

- All lighting and controlled receptacles in zones 1, 2, 3, 4, 5, and 6 automatically turned on upon occupancy.
- Daylight zones 1 and 4 to be dimmed via photocell when sufficient daylight is available.
- Areas within the space to be divided into 600SF or smaller occupancy zones. For example: area 1 includes zones 1 and 2, area 2 includes zones 4 and 5.
- When any occupancy area is empty, lighting power in that area to be reduced by at least 80%, and daylight zones become inactive within 20 minutes of occupant leaving the space. Lighting in that area to return to 100% and daylight controls to be restored upon the area being reoccupied.
- All light to be turned off via occupancy sensor when zones 1-6 are unoccupied for 20 minutes.
- Local control and any required scene control of general lighting from keypads.

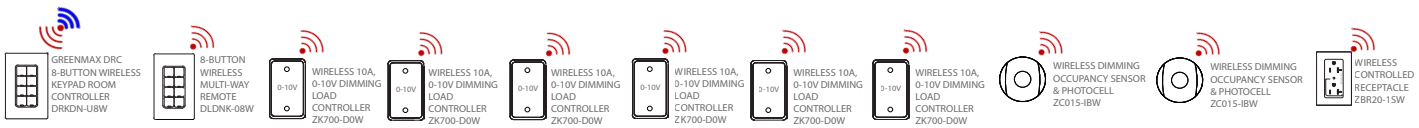
Alternative Solution

Primary and Secondary Daylight Zones

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting, partial-ON, partial-OFF and demand response
- Configure using the Smart Sensor App

GreenMAX DRC Wireless for 6 Zone, Plus 0-10V Dimming, Scene Control, Occupancy/Vacancy Sensing, Plug Load Control and Multi-Zone Daylight Harvesting and Plug Load Control, Typical



Room Highlights

- Wi-Fi Networking
- 6 Zones
- 2 Occupancy Zones
- Occupancy/Vacancy Sensing
- Scheduling
- Plug Load Control
- Scene Control
- Multi-Zone Daylight Harvesting
- Multi-Way Switching
- Emergency Lighting

What You Will Need

		Quantity
	GreenMAX DRC 8-Button Wireless Keypad Room Controller DRKDN-U8W	1
	8-Button Wireless Multi-Way Remote DLDNK-08W	1
	Wireless 10A, 0-10V Dimming Load Controller ZK700-D0W	6
	Wireless PIR Occupancy Sensor & Photocell ZC015-BIW	2
	Controlled Receptacle ZBR20-1SW	Varies

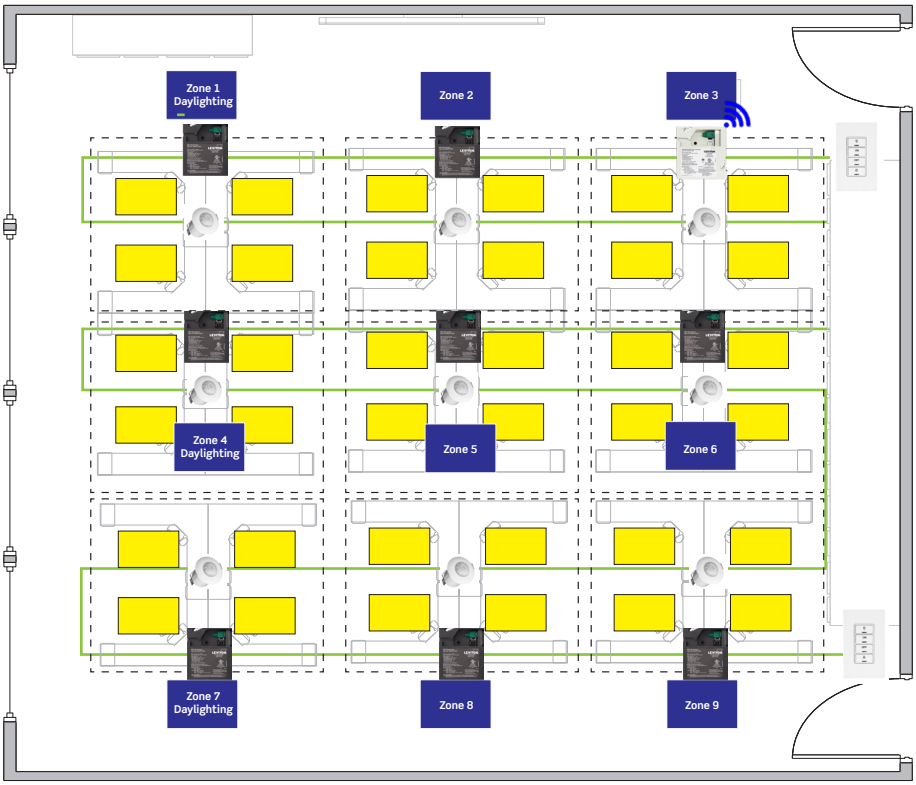
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.1.3	• Open Plan Office Occupancy Sensing Control
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
• Section C405.12	• Automatic Receptacle Control
ASHRAE 90.1 2022	
• Section 8.4.2	• Receptacle/Plug Load Control
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)
• Section 110.12(c)	• Demand Management Controls

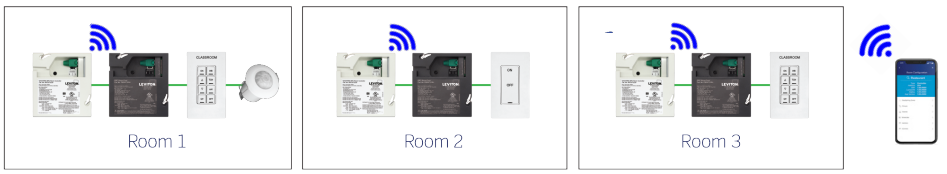
* Note that code updates are highlighted.

Applications

GreenMAX DRC Wired for 9-Zone Plus Daylighting, Typical



For a networked system, connect spaces via WiFi with the App.



Application Notes

- Room contains nine separate zones of lighting and three daylighting zones all configured through the GreenMAX DRC App.
- Zones can be rearranged, combined, or deleted with any changes to the usage or setup of the area.
- Passive infrared sensors continually monitor the area and switch all lighting, regardless of zone, off when the area is vacant, and are sensitive enough to detect minor movements, to prevent false-offs
- Emergency lighting capable.

Sequence of Operation

- All lighting in zones 1-9 automatically turned on upon occupancy.
- Daylight zones 1, 4, and 7 to be dimmed via photocell when sufficient daylight is available.
- Areas within the space to be divided into 600SF or smaller occupancy zones.
- When any occupancy area is empty, lighting power in that area to be reduced by at least 80%, and daylight zones become inactive within 20 minutes of occupant leaving the space. Lighting in that area to return to 100% and daylight controls to be restored upon the area being reoccupied.
- All light to be turned off via occupancy sensor when zones 1-9 are unoccupied for 20 minutes.

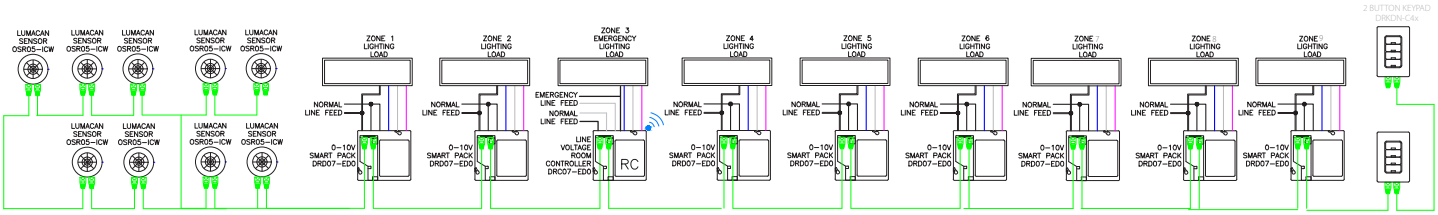
Alternative Solution

Individual Wireless Fixture Control

Wireless Devices

- Add wireless control to any ON/OFF or 0-10V or phase cut dimming device
- Configure using the GreenMAX DRC App
- Add wireless occupancy/vacancy sensors and photocells with no additional wiring needed

GreenMAX DRC Wired for 9-Zone Plus Daylighting, Typical



Room Highlights

- 9 Zones
- 9 Occupancy Zones
- Occupancy/Vacancy Sensing
- Scene Control
- Daylighting
- Multi-Way Switching
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC Line Voltage Room Controller DRC07-ED 0	9
	GreenMAX DRC 0-10V Smart Pack DRD07-ED0	8
	GreenMAX DRC Digital Sensor OSR05-ICW	9
	GreenMAX DRC 4-Button Digital Keypad DRKDN-C4W	2

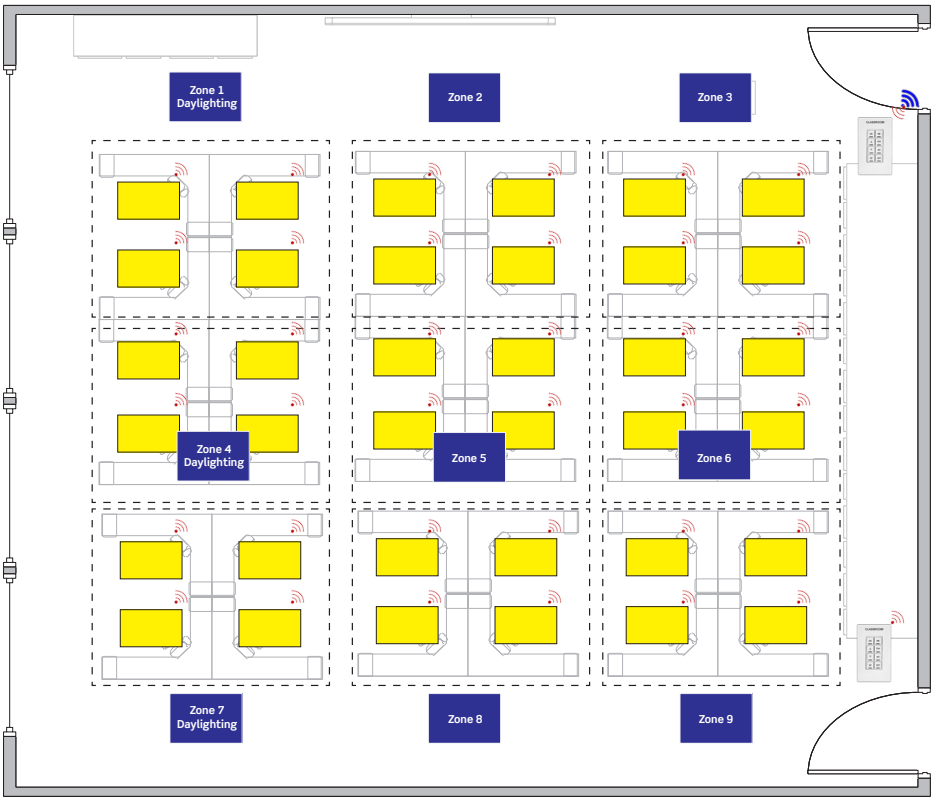
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.1.3	• Open Plan Office Occupancy Sensing Control
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
ASHRAE 90.1 2022	
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
2025 Title 24, Part 6	
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 130.5(d)	• Receptacle/Plug Load Control (optional in classrooms)

* Note that code updates are highlighted.

Applications

GreenMAX DRC Wireless with Intellect-enabled Fixtures for 9-Zone Plus Daylighting, Typical



Application Notes

- Wireless interface for configuration, control and status monitoring.
- Room contains nine separate zones of lighting and three daylighting zones all configured through the GreenMAX DRC App.
- Zones can be rearranged, combined, or deleted with any changes to the usage or setup of the area.
- Passive infrared sensors continually monitor the area and switch all lighting, regardless of zone, off when the area is vacant, and are sensitive enough to detect minor movements to prevent false-offs.
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space.
- Emergency lighting capable.

Sequence of Operation

- Wi-Fi interface for configuration, control and status monitoring.
- All lighting in zones 1-9 automatically turned on upon occupancy.
- Daylight zones 1, 4, and 9 to be dimmed via photocell when sufficient daylight is available.
- When any occupancy area is empty, lighting power in that area to be reduced by at least 80%, and daylight zones become inactive within 20 minutes of occupant leaving the space.
- Lighting in that area to return to 100% and daylight controls to be restored upon the area being reoccupied.
- All light to be turned off via occupancy sensor when zones 1-9 are unoccupied for 20 minutes.

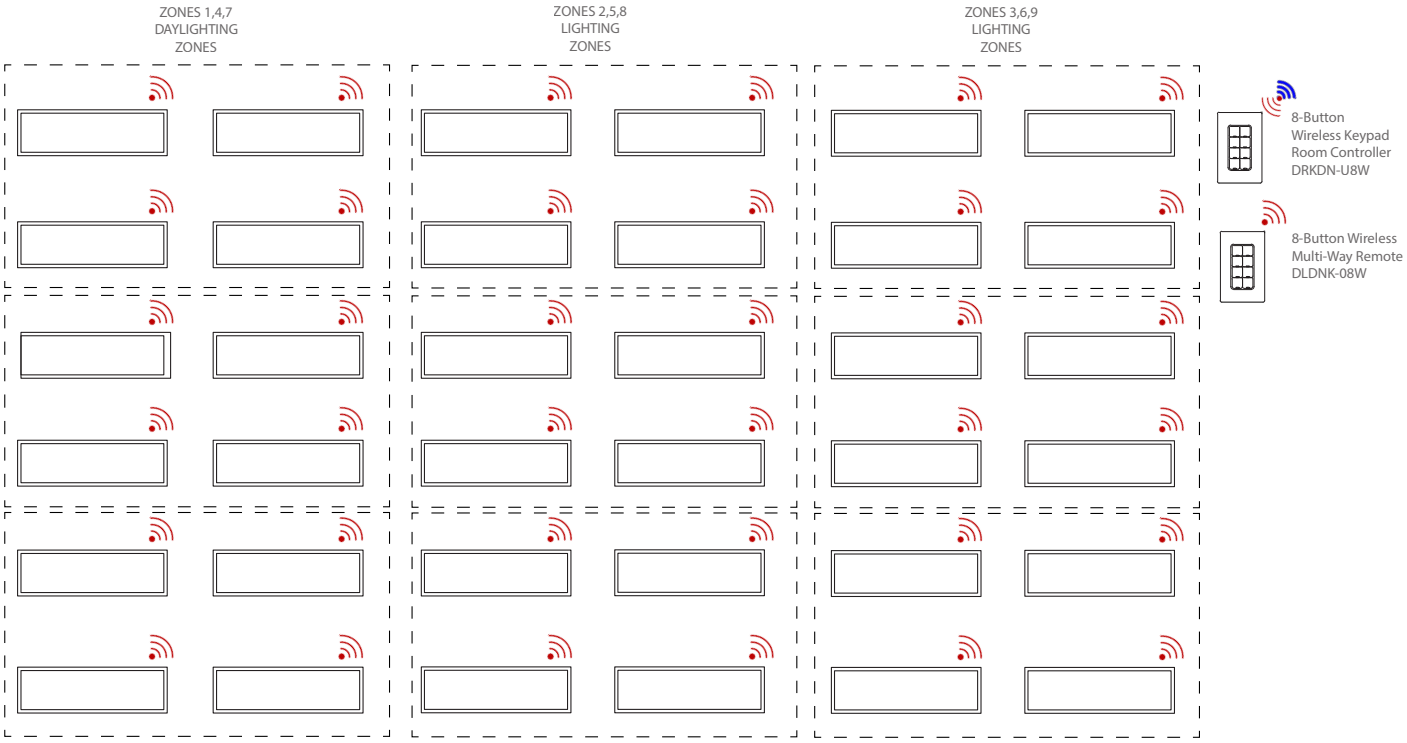
Alternative Solution

Primary and Secondary Daylight Zones

Smart Ceiling Mount Sensor (CMS)

- Integrates occupancy sensing, 0-10V dimming, daylighting, partial-ON, partial-OFF and demand response
- Configure using the Smart Sensor App

GreenMAX DRC Wireless with Intellect-enabled Fixtures for 9-Zone Plus Daylighting, Typical



Room Highlights

- Wi-Fi Networking
- 9 Zone
- Occupancy/Vacancy Sensing
- Scheduling
- Scene Control
- Daylighting
- Multi-Way Switching
- Emergency Lighting

What You Will Need		Quantity
	GreenMAX DRC 8-Button Wireless Keypad Room Controller DRKDN-U8W	1
	8-Button Wireless Multi-Way Remote DLDNK-08W	1
	Intellect-enabled Fixture LRTH2x2-LED835UNV-LV01	36

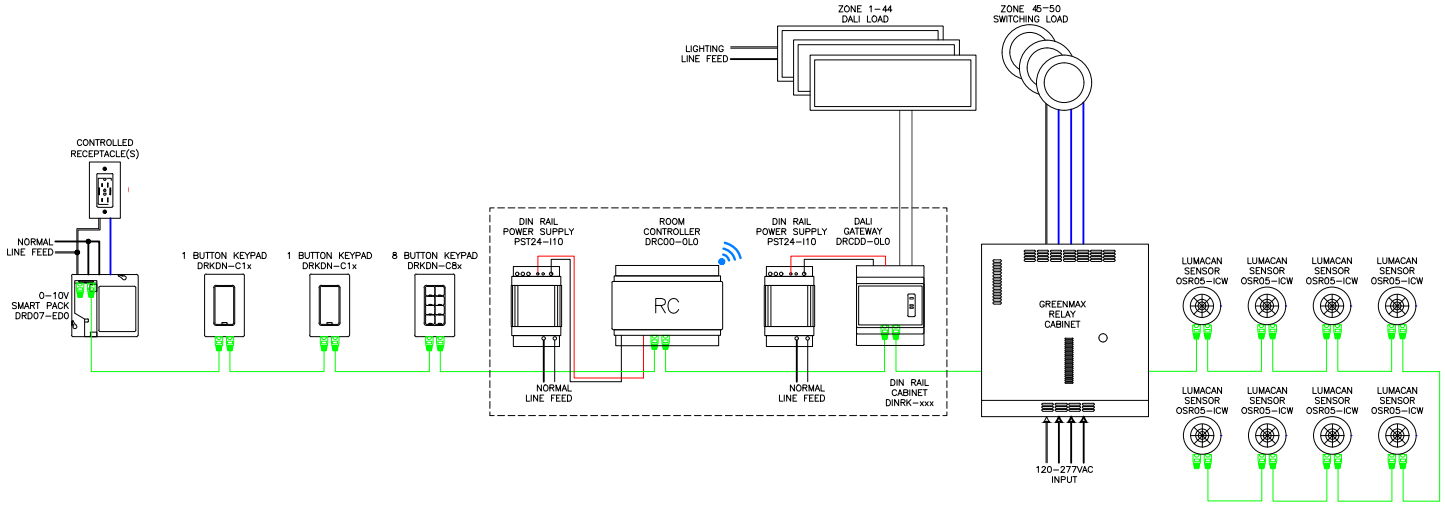
Code Requirements*

2025 IECC	
• Section C405.2.1	• Occupancy Sensors
• Section C405.2.1.3	• Open Plan Office Occupancy Sensing Control
• Section C405.2.2.1	• Automatic Time Switch Control
• Section C405.2.4	• Daylight Responsive Controls
• Section C405.2.4.1	• Daylight Zone Control
• Section C405.2.6	• Interior Manual Lighting Controls
• Section C408.1	• Functional Testing
ASHRAE 90.1 2022	
• Section 9.4.1	• Lighting Control
• Section 9.4.1.1	• Interior Lighting Control
• Section 9.4.3	• Functional Testing
• Section 130.1(a)	• Area Controls • Manual ON/OFF
• Section 130.1(b)	• Multi-Level Controls • Dimming
• Section 130.1(c)	• Shut-Off Requirements • Occupancy Control • Partial-ON / Partial-OFF
• Section 130.1(d)	• Daylighting
• Section 130.1(f)	• Control Interactions
• Section 110.12(c)	• Demand Management Controls

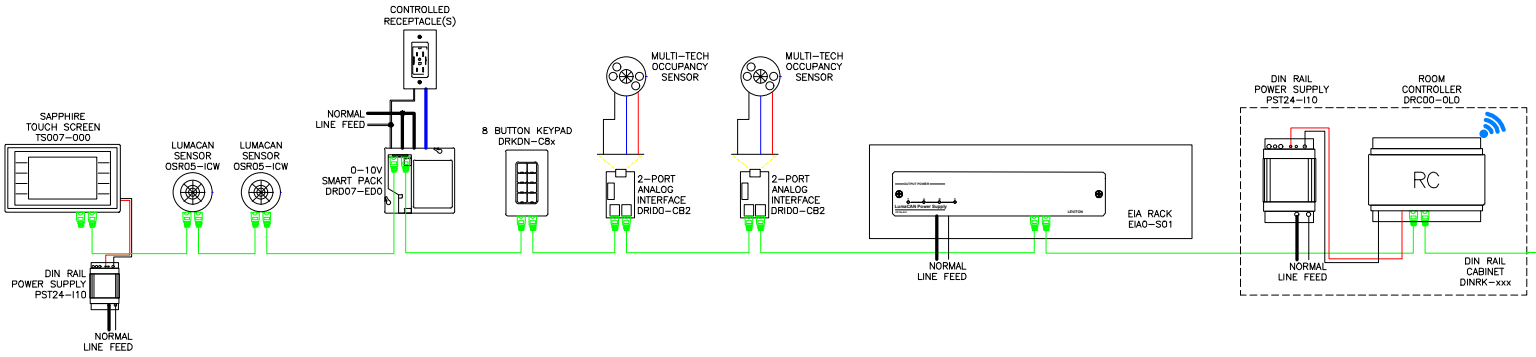
* Note that code updates are highlighted.

More Application Diagrams

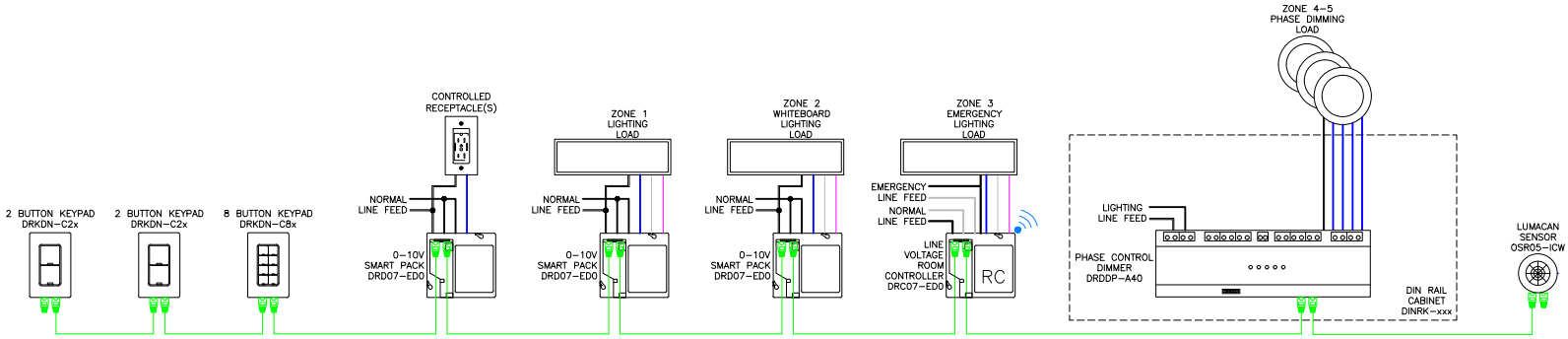
GreenMAX DRC 70-Zone DALI and 8-Zone Relay Plus Daylighting, Typical

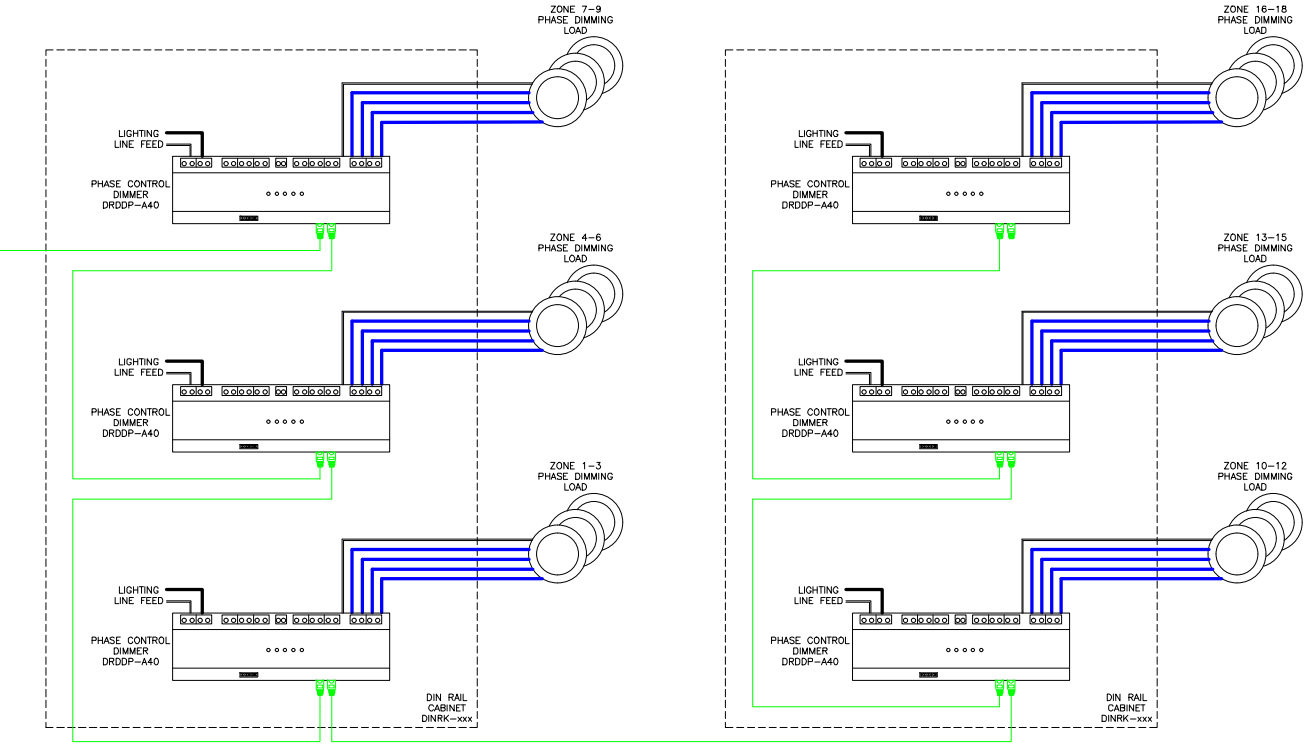


GreenMAX DRC 18-Zone Phase Control Dimming, Typical



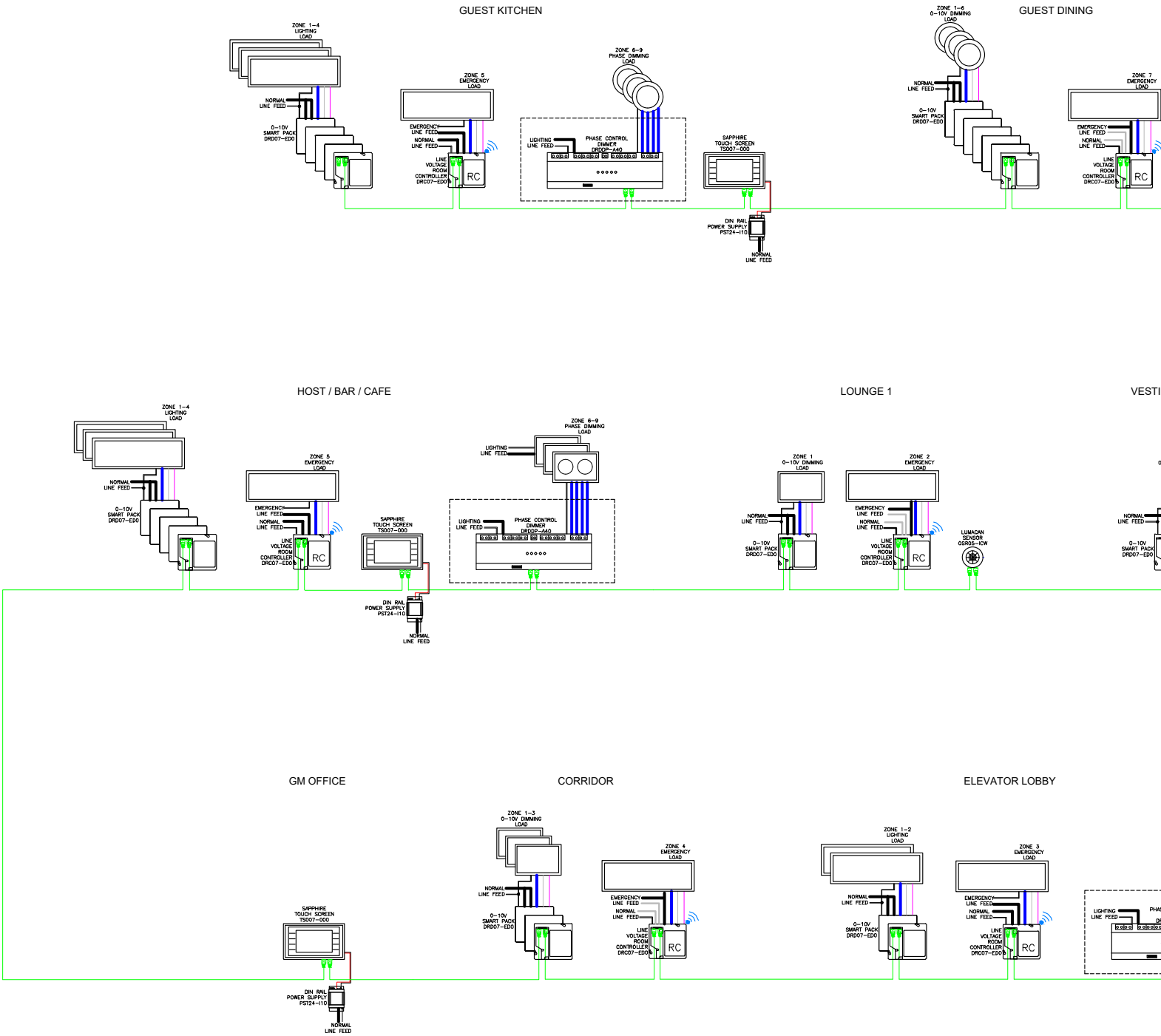
GreenMAX DRC 3-Zone 0-10V and 2-Zone Phase Control Dimming Plus Daylighting, Typical

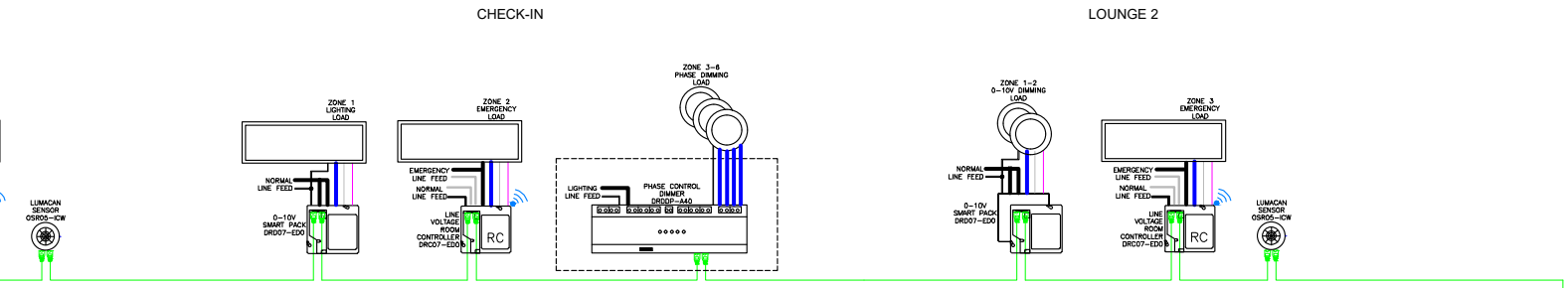


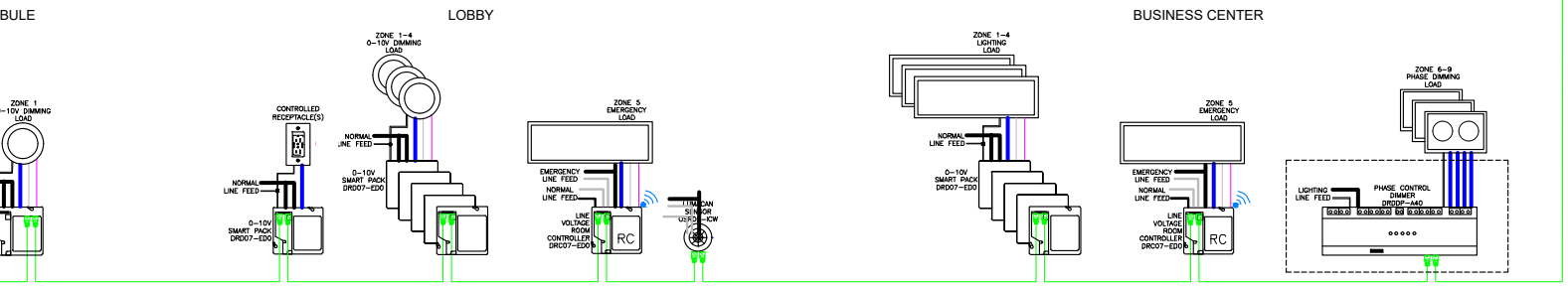


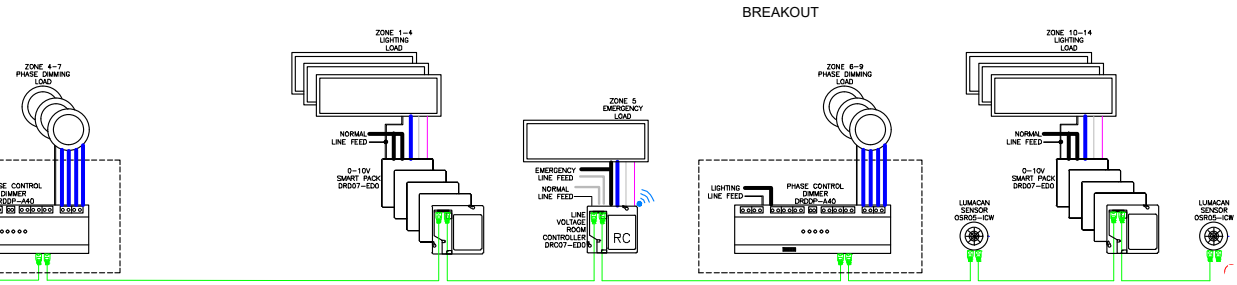
More Application Diagrams

GreenMAX DRC Hospitality Public Areas, Typical



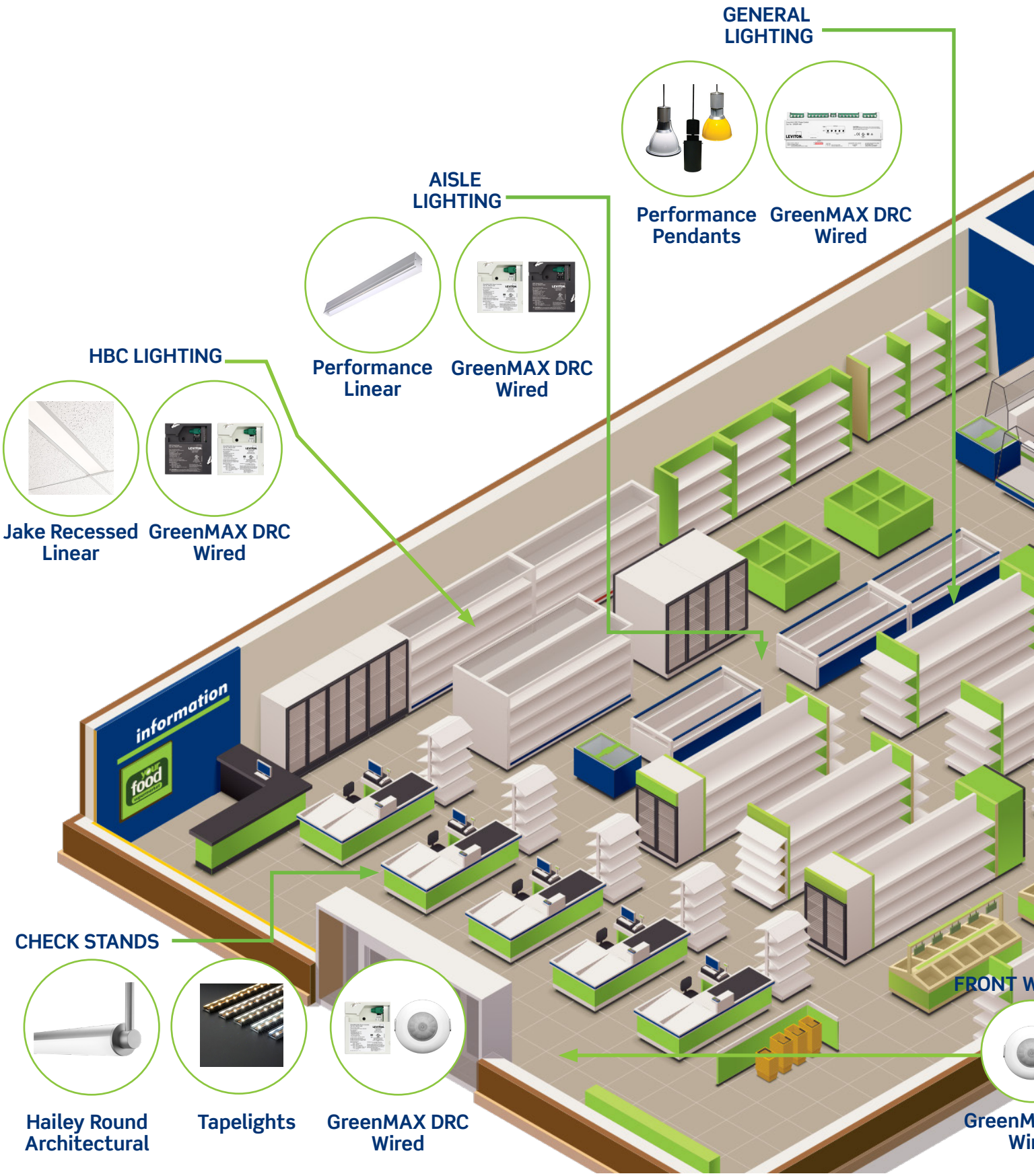

CHECK-IN
LOUNGE 2
ZONE 1
LIGHTING LOAD
ZONE 2
EMERGENCY LOAD
ZONE 3-8
PHASE DIMMING LOAD
ZONE 1-2
0-10V DIMMING LOAD
ZONE 3
EMERGENCY LOAD
NORMAL LINE FEED
EMERGENCY LINE FEED
LIGHTING LINE FEED
0-10V SMART PACK DRD07-EDO
LINE VOLTAGE ROOM CONTROLLER DRC07-EDO
PHASE CONTROL DIMMER DRDDP-A40
LUMACAN SENSOR OSR05-ICW
RC


BULE
LOBBY
BUSINESS CENTER
ZONE 1-4
0-10V DIMMING LOAD
CONTROLLED RECEPTACLE(S)
ZONE 5
EMERGENCY LOAD
ZONE 1-4
LIGHTING LOAD
ZONE 6-9
PHASE DIMMING LOAD
NORMAL LINE FEED
EMERGENCY LINE FEED
LIGHTING LINE FEED
0-10V SMART PACK DRD07-EDO
LINE VOLTAGE ROOM CONTROLLER DRC07-EDO
PHASE CONTROL DIMMER DRDDP-A40
RC


BREAKOUT
ZONE 4-7
PHASE DIMMING LOAD
ZONE 1-4
LIGHTING LOAD
ZONE 5
EMERGENCY LOAD
ZONE 6-9
PHASE DIMMING LOAD
ZONE 10-14
LIGHTING LOAD
NORMAL LINE FEED
EMERGENCY LINE FEED
LIGHTING LINE FEED
0-10V SMART PACK DRD07-EDO
LINE VOLTAGE ROOM CONTROLLER DRC07-EDO
PHASE CONTROL DIMMER DRDDP-A40
LUMACAN SENSOR OSR05-ICW
RC

Vertical Markets

GreenMAX DRC & Grocery



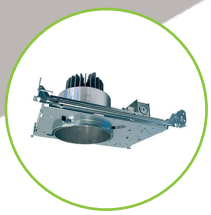
LEVITON

STORAGE/
WAREHOUSE

LBL-VL

GreenMAX DRC
Wired

OFFICES/
BATHROOMS



LED Recessed
Downlights

GreenMAX DRC
Wireless

HIGH MARGIN
AREAS

03 Track
Luminaire

GreenMAX DRC
Wired

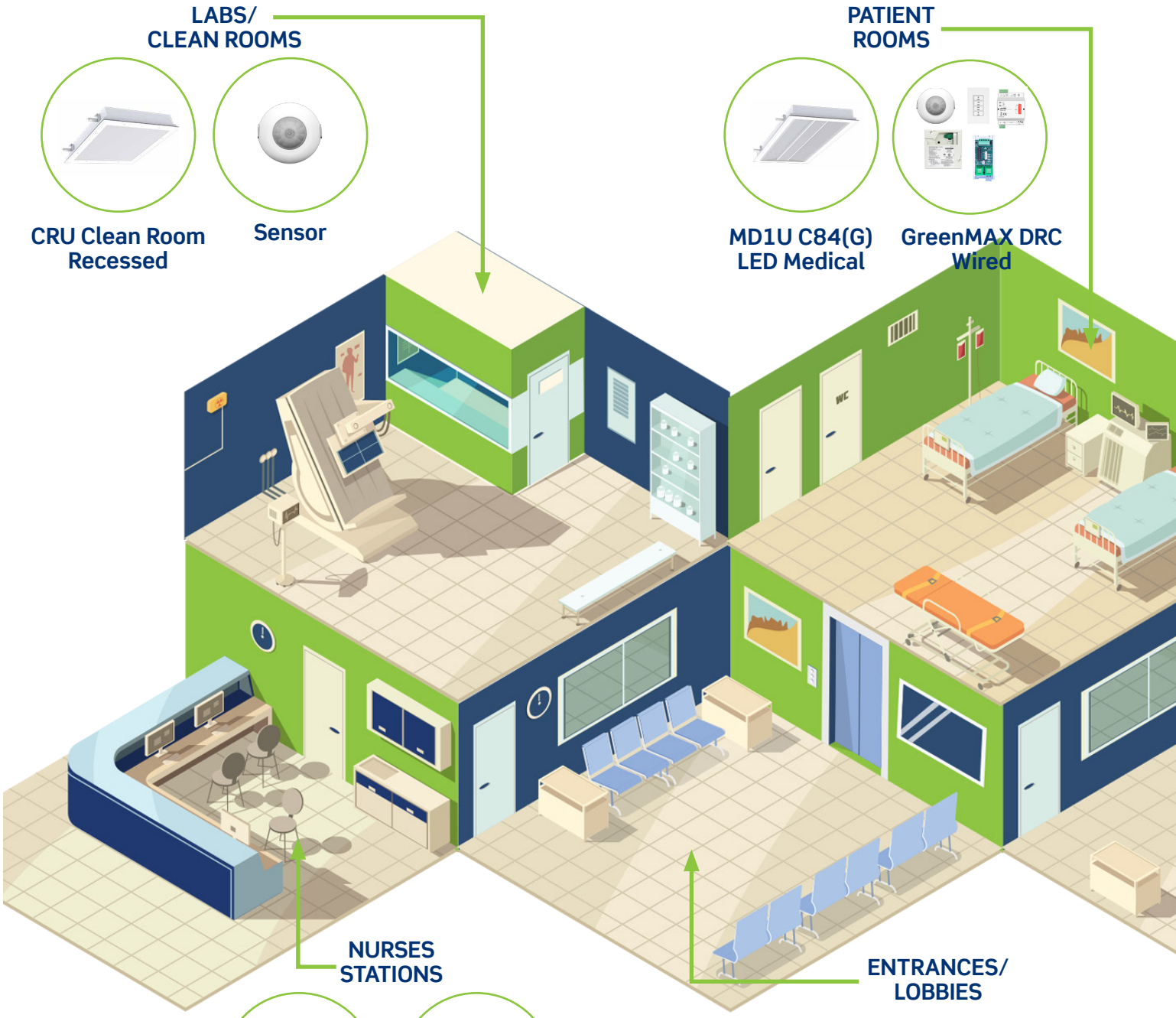
PRODUCE AISLES

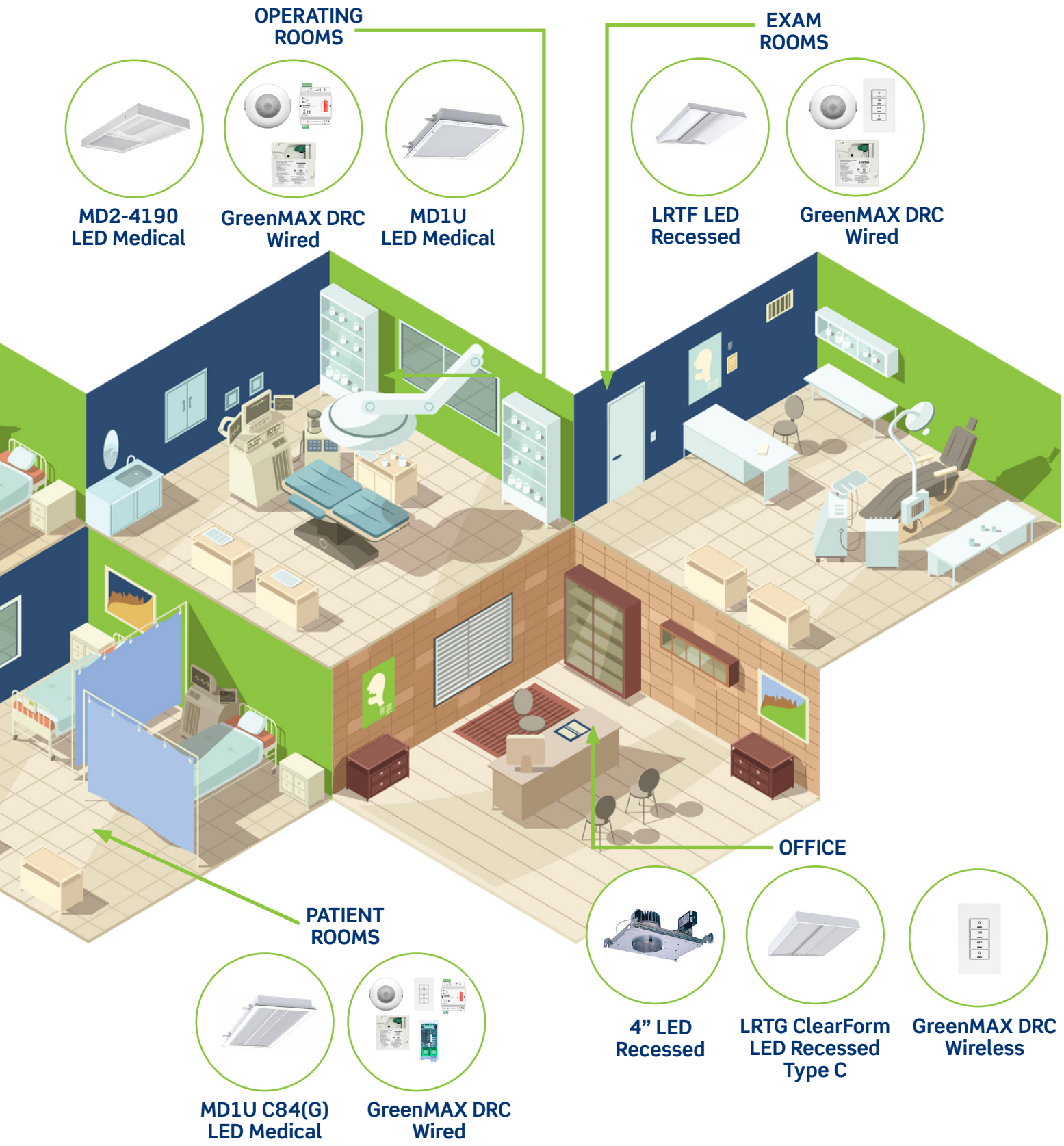
Accent
Heads

GreenMAX DRC
Wired

Vertical Markets

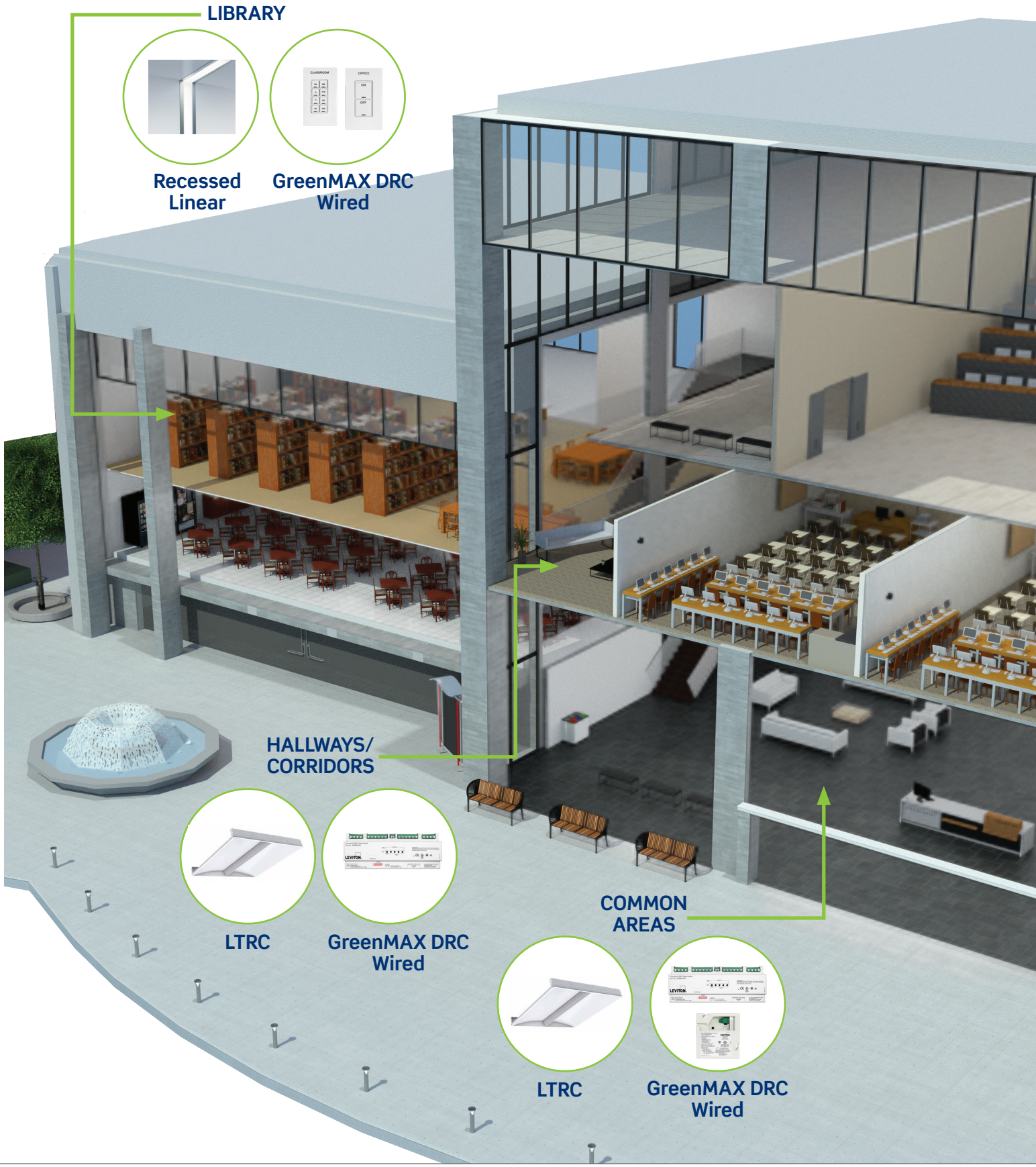
GreenMAX DRC & Healthcare



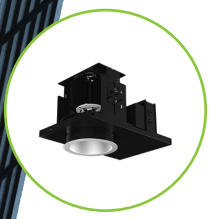

OPERATING ROOMS
EXAM ROOMS
MD2-4190 LED Medical
GreenMAX DRC Wired
MD1U LED Medical
LRTF LED Recessed
GreenMAX DRC Wired
OFFICE
PATIENT ROOMS
MD1U C84(G) LED Medical
GreenMAX DRC Wired
4" LED Recessed
LRTG ClearForm LED Recessed Type C
GreenMAX DRC Wireless

Vertical Markets

GreenMAX DRC & Education



LECTURE HALLS



High Lumen Recessed Downlights

GreenMAX DRC Wired

CLASSROOMS

Recessed Linear

GreenMAX DRC Wired

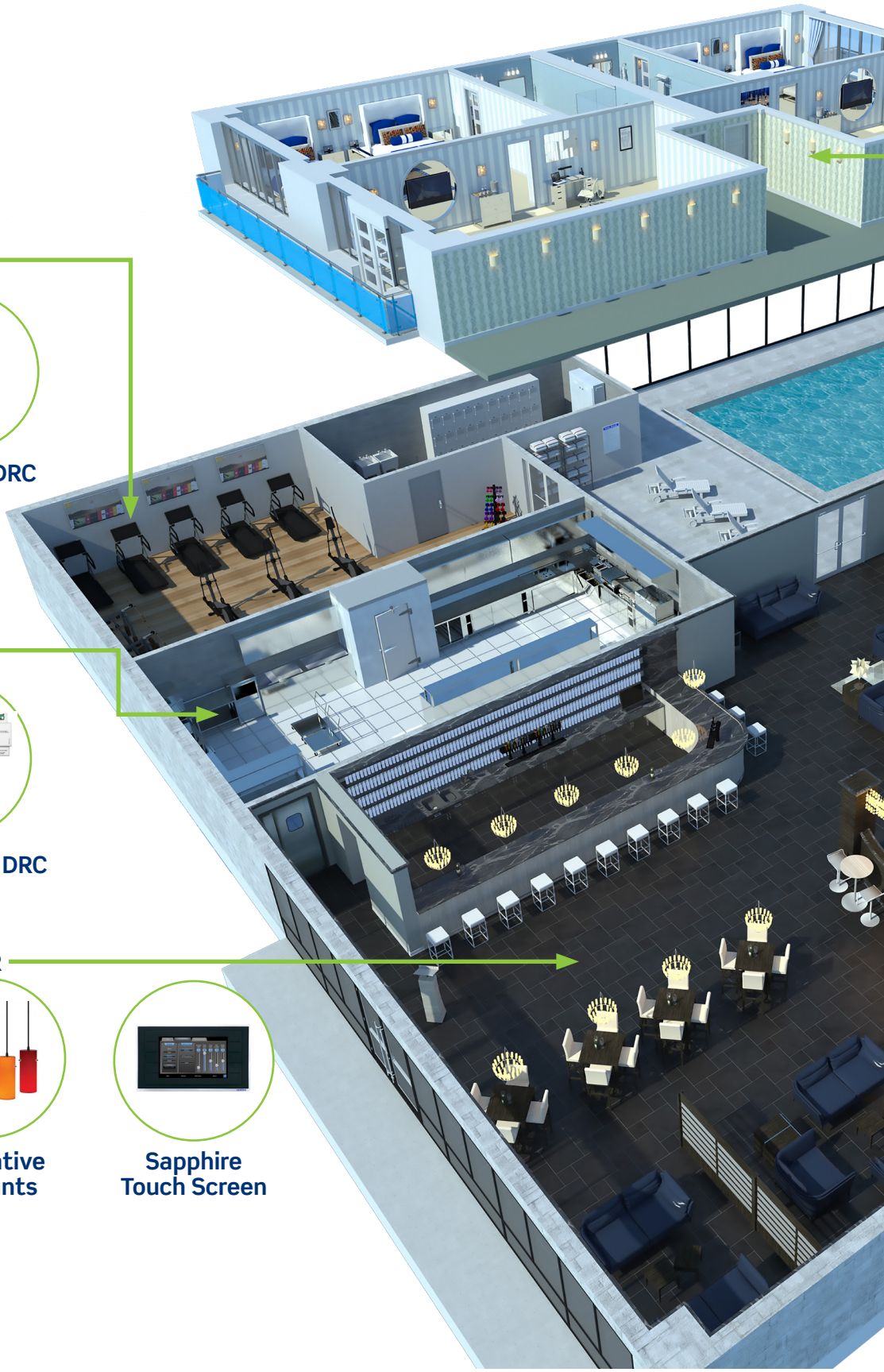
OFFICES

LRTH

GreenMAX DRC Wireless

Vertical Markets

GreenMAX DRC & Hospitality



EXERCISE ROOM

LRTH

GreenMAX DRC Wireless

BACK OF HOUSE / STAFF AREAS

LTRH

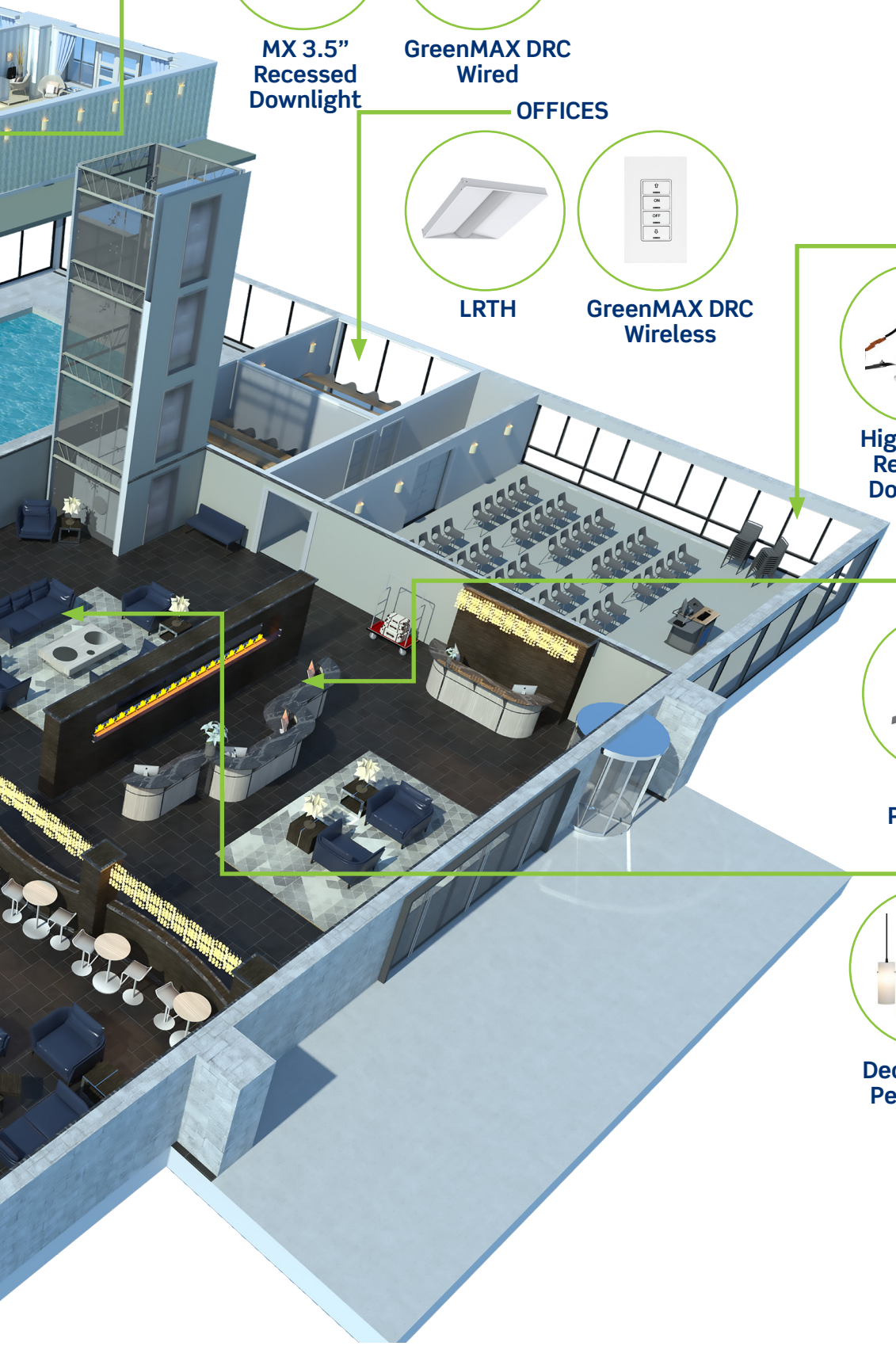
GreenMAX DRC Wired

DINING AREA/BAR

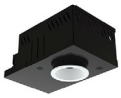
CTL Eclipse Curve Series

Decorative Pendants

Sapphire Touch Screen



CORRIDOR



MX 3.5” Recessed Downlight

GreenMAX DRC Wired

OFFICES

LRTH

GreenMAX DRC Wireless

EVENT SPACES

High Lumen Recessed Downlight

GreenMAX DRC Wired

LOBBY/ CHECK IN

Erika Pendants

GreenMAX DRC Wired

LOUNGE

Decorative Pendants

GreenMAX DRC Wired

Vertical Markets

GreenMAX DRC & Office

HALLWAYS

4-inch Recessed Downlight

GreenMAX DRC Wired

PRIVATE OFFICES

LRTH

GreenMAX DRC Wireless

CONFERENCE ROOMS

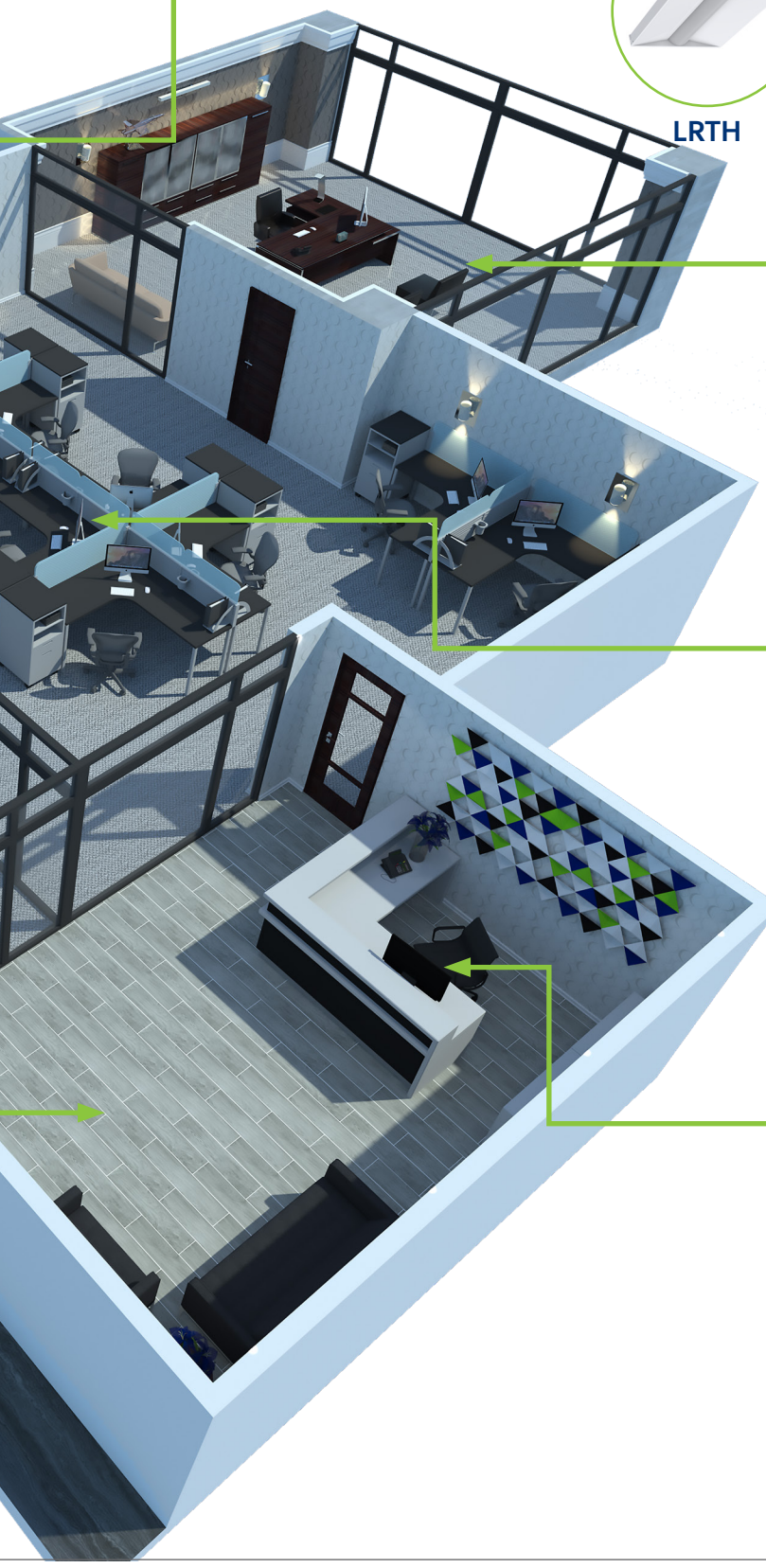
Erika Architectural Pendants

Sapphire Touch Screen

LOBBIES

Michelle Illuminated Disks

GreenMAX DRC Wired

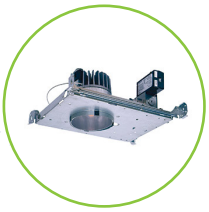


RESTROOM

LRTH

GreenMAX DRC Wireless

PRIVATE OFFICES



4” Shallow Downlight

GreenMAX DRC Wired

OPEN OFFICE AREAS

Intellect-Enabled ClearForm

GreenMAX DRC Wired

RECEPTION AREAS

CRS5 Mini Decorative Pendants

GreenMAX DRC Wired

Vertical Markets

GreenMAX DRC & Retail

OFFICE SPACES

LRTH

GreenMAX DRC Wireless

CHECK STANDS

CTL903

GreenMAX DRC Wireless

SALES FLOOR

ACCENT/PERIMETER

Recessed Multiples

Sapphire Touch Screen

LEVITON

STOREROOMS

LBL-VL

GreenMAX DRC Wireless

FITTING ROOMS

LCOMN

Vertical Markets

GreenMAX DRC & Financial Institutions & Banks


CONFERENCE ROOM
LMEZ
GreenMAX DRC Wired
TELLER AREAS
LTRH
GreenMAX DRC Wired
SECURITY DEPOSIT BOXES
LTRI
GreenMAX DRC Wired
BOOKKEEPING
PRIVATE OFFICE
ALRB Pendant Type B
GreenMAX DRC Wired

Standalone Solutions

Smart Multi-Technology Wallbox Sensors

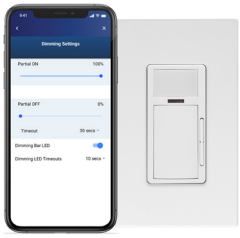
Smart Multi-Technology Wallbox Sensors use passive infrared (PIR) and microphonics technology that "listens" for human activity in the space and keeps the lights ON when motion is detected. Microphonics does not require direct line of sight and can pick up human activity behind obstructions that PIR-only devices are unable to detect. The sensors deliver a simple sensing and dimming or switching control solution for easy energy savings, local control, and code compliance. Use the Leviton Push-to-Pair (P2P) process to create a multi-way system for up to 5 devices. Easy programming and configuration via the Smart Sensor App.

Smart Multi-Tech Wallbox Sensors

Description	Cat. No.	Color	Rating	Coverage
Smart **Multi-Technology** Wallbox Sensor	ODSMT-MD*	W,I	General Purpose @ 120V, 277V: 20A LED/Electronic Ballast @ 120V, 277V: 20A LED/Electronic Ballast @ 120V, 277V: 10A Standard Ballast @ 120V, 277V: 10A Tungsten @ 120V, 277V: 6.67A Motor @ 120V: 1/4 HP (FLA 5.8A) Motor @ 277V: 1/3 HP (FLA 3.0A)	180°, 1100 sq. ft. (102 sq. m.)
Smart **Multi-Technology** 0-10V Dimming Wallbox Sensor	ODDMT-MD*	W,I	General Purpose @ 120V, 277V: 10A LED/Electronic Ballast @ 120V: 8A LED/Electronic Ballast @ 277V: 5A Standard Ballast @ 120V, 277V: 10A Tungsten @ 120V, 277V: 6.67A Motor @ 120V: 1/4 HP (FLA 5.8A) Motor @ 277V: 1/3 HP (FLA 3.0A)	
Smart **Multi-Technology** 24V Dimming Wallbox Sensor	ODDMT-MLW	W	12-24VDC	
Smart **Multi-Technology** 120 V 1000W Dimming Wallbox Sensor	ODP10-M1	W, I	LED/Electronic Ballast @ 120V Magnetic Ballasts @ 120V Resistive, Tungsten @ 120V Motor @ 120V Not rated for use	
Smart **Multi-Technology** 1000W Dimming Wallbox Sensor	ODP10-I1	W,I	LED/CFL, Electronic Ballast @ 120V, Magnetic Ballasts @120V, Resistive Tungsten @120V: 1000W (Single Device), 680W (Two Devices), 600W (More Than Two Devices)	

* Replace x to indicate color: Black (B), Red (R), Gray (G), Ivory (I), Light Almond (A) and White (W).

ODSMT



ODDMT/ ODP10

Smart PIR and Multi-Tech Ceiling Mount 0-10V Dimming Room Controllers (CMS)

The Leviton Smart Smart Ceiling Mount Sensors (CMS) line simplifies advanced lighting controls by integrating several control strategies into a compact, self-contained, cost-effective, and easy-to-install and commission device. Get true 2-zone control, Ladderless Commissioning™ using the Smart Sensor App, scheduling and more. Network up to 5 CMS devices to expand the field-of-view.

Smart Smart Ceiling Mount Sensors				
Description	**Cat. No.**	**Coverage**	**Color**	**Input Voltage, Rating**
Smart **Multi-Technology** Ceiling Mount, 0-10V Dimming Room Controller, 1-Zone	AC705-DMW	500 sq. ft. (46.45 sq. m.)	W	120V, 50/60Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor 277V, 50/60 Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Smart **PIR** Ceiling Mount, 0-10V Dimming Room Controller, 2-Zone	ACY15-DIW	450-1500 sq. ft. (41.80-139.35 sq. m.)		
Smart **Multi-Technology** Ceiling Mount, 0-10V Dimming Room Controller, 2-Zone	ACY20-DMW	2000 sq. ft. (185.80 sq. m.)		
Smart **Multi-Technology** Ceiling Mount, Switching, 1-Zone Occupancy Sensor	ACS05-DMW	500 sq. ft. (46.45 sq. m.)	W	120V, 50/60 Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor 230V, 50 Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W, VA, 1/3 HP 277 V, 50/60 Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Smart **Multi-Technology** Ceiling Mount, Switching, 1-Zone Occupancy Sensor	ACS10-DMW	1000 sq. ft. (92.90 sq. m.)		
Smart **Multi-Technology** Ceiling Mount, Switching, 2-Zone Occupancy Sensor	ACS20-DMW	2000 sq. ft. (185.80 sq. m.)		
Smart **Multi-Technology** Ceiling Mount, Switching, 2-Zone Occupancy Sensor	AC205-DMW	500 sq. ft. (46.45 sq. m.)		
Smart **Multi-Technology** Ceiling Mount, Switching, 2-Zone Occupancy Sensor	AC220-DMW	2000 sq. ft. (185.80 sq. m.)		
Smart **PIR** Ceiling Mount, Switching, 1-Zone Occupancy Sensor	ACS15-DIW	450-1500 sq. ft. (41.80-139.35 sq. m.)		

Service and Support

During Every Step of the Process.

There is much more to making lighting more energy efficient than just installing a simple device or two. System design, product selection, installation and service: it all has to come together. That's where Leviton service and support options come in. We'll help you design your GreenMAX DRC Room Control system and make the right product selections so you can create a solution that does exactly what you want it to do while saving electricity, meeting codes and standards, and even garnering rebates.

It all starts with the Leviton sales representative. Our lighting control specialists are here to support you every step of the way. They can perform on-site facility audits and suggest the best GreenMAX DRC Room Control System configuration to meet your needs and preferences.

Exclusive Wealth of Resources

- **Exclusive Training**—contact your local Leviton representative to have a GreenMAX DRC expert provide training in person or online exclusively for your team
- **GreenMAX DRC Resource Library**—all of our data sheets, cookbooks, solution sheets and more in one easy-to-access place - visit **www.leviton.com/greenmaxdrc**
- **GreenMAX DRC Remote Support—**allows users to connect to Leviton's expert Technical Support staff via an Android, iOS, Windows or Mac device for remote troubleshooting and configuration support
- **GreenMAX DRC App**—configure and control the entire GreenMAX DRC Room Control System from the palm of your hand - download at **Apple App Store or Google Play**
- **ez-Learn™**—get Leviton smart from the comfort of your home or office with this exclusive 24/7 online training—go to **www.leviton.com/ezlearn**
- **Lighting control specialists** at your disposal
- **Field service engineers** for top-level support
- **Factory commissioning service**
- **Dedicated technical support** via phone at **800-959-6004**

Leviton Manufacturing Co., Inc. Lighting & Controls
10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-954-6004

Leviton Manufacturing Co., Inc. Global Headquarters
201 North Service Road, Melville, NY 11747-3138 **tel** 800-323-8920 **tech line** (8:00AM-10:00PM ET Mon-Fri, 9:00AM-7:00PM ET Sat, 9:00AM-5:00PM ET Sun) 800-824-3005

Visit our website at: www.leviton.com/greenmaxdrc

LES-G-10439G/F25-aa
REV JUN 2025