



Smart Sensors Brochure

Lighting Controls Done Right

Smart, simple sensing and switching or dimming control for virtually any application

Offering customers a complete code-compliant, easy-to-install, and easy-to-configure solution

App configurable with options for out-of-the-box operation

Select the sensing solution that best fits your needs—choose from simple standalone **Smart Wallbox Sensors** or for more advanced lighting control strategies, use **Smart Ceiling Mount Sensors**. For outdoor applications, use **Smart Fixture Mount Sensors**.







Smart Sensors

From standalone sensors to self-contained advanced lighting controls, Leviton has a solution for virtually any application. The Smart Sensor line is engineered to be easy to design, install, and configure for code compliance. Smart Wallbox Sensors, Smart Ceiling Mount Sensors, and Smart Fixture Mount Sensors are fully configurable with the Smart Sensor App.

For Distributors

- Stock less models to meet more project requirements
- Offer differentiating features for a competitive advantage
- Take advantage of competitive pricing

For Contractors

- Complete more projects faster for more profits—installation is quick and easy with less components for hardware, labor, and time savings
- Reduce callbacks with professional commercial-grade quality solutions
- Meet more project opportunities

For Building Owners and Facility Managers

- Implement simple to use code compliant solutions for increased energy savings
- Enable as little or as many capabilities as needed with scalable solutions
- Modify the lighting control system with the app to meet changing occupant needs and code changes

For Specifiers

- Specify lighting control solutions with confidence
- Comply with national and local energy codes with solutions that are easy to design, install, and commission
- Make client handoffs easier with easy-to-use customer interfaces



Smart Wallbox Sensors

Smart Wallbox Sensors combine occupancy/vacancy sensing with ON/OFF switching, line voltage or low voltage (24VDC) 0-10V dimming, or 1000W dimming to provide a simple commercial grade solution for easy energy savings, local control, and code compliance. Smart Wallbox Sensors offer easy programming and configuration with the Smart Sensor App, an out-of-the-box default mode for auto-ON/auto-OFF operation with a 10-minute timeout, and convenient pushbutton programming for common room settings. Ideal for commercial spaces up to 1,100 SF including offices, meeting rooms, and lobbies.

Can be used to comply with ASHRAE 90.1, IECC, NECB, and 2025 Title 24, Part 6

Ladderless Commissioning with the Smart Sensor App

Select operating mode

Configure sensor settings (i.e. sensitivity, timeouts)

Enable partial-ON and partial-OFF


Configure daylighting settings

Program scheduling

Create multi-room templates


Select nightlight color

Combines occupancy/vacancy sensing and ON/OFF switching



Choose from out-of-the-box default mode, pushbutton programming, or app configuration

Combines occupancy/vacancy sensing and 0-10V or 1000W dimming



Push-to-pair programming for multi-way control for up to 5 devices

Occupancy/vacancy sensing

PIR only and multi-tech (PIR & microphonics) models

ON/OFF switching

0-10V dimming and 1000W dimming

Partial-ON and partial-OFF

Ambient light hold-OFF

Add a power pack and controlled receptacles for plug load control

Antimicrobial models available

SIMPLE OCCUPANCY/VACANCY SENSING AND DIMMING



Application Notes

- Private office contains a simple, single lighting zone
- The sensor automatically turns the lights on when occupancy is detected and off when the space is vacant
- The sensor supports 0-10V dimming, allowing for smooth and continuous adjustment of light levels

Sequence of Operation

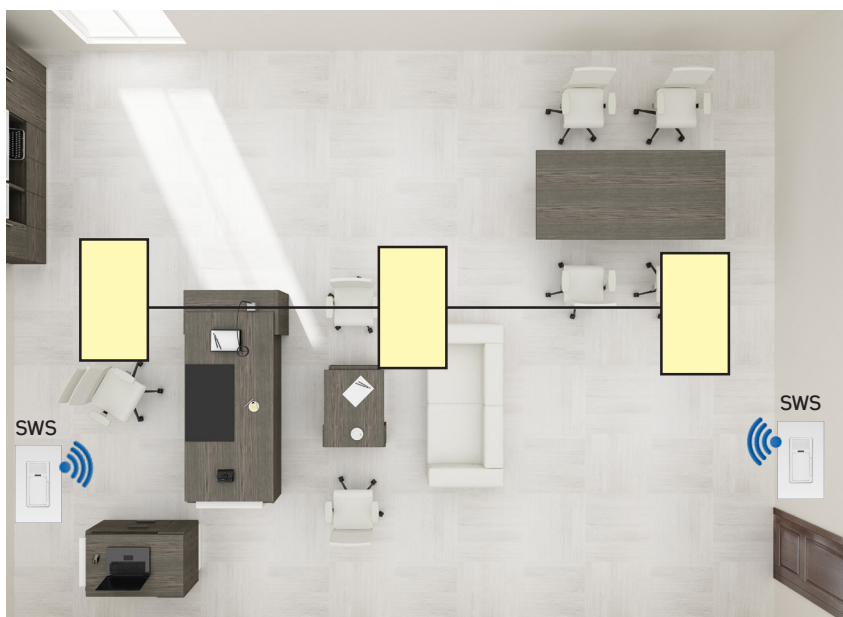
- Occupant manually turns on lighting in the space
- Occupant can adjust lighting to their desired light level
- Lighting dims partially to 50% of its full brightness if space is vacant
- If no occupancy is detected for an additional 10-mins after the partial-off state, lighting turns off completely

WHAT YOU WILL NEED

SMART WALLBOX SENSORS		QTY.
	Smart PIR 0-10V Dimming Wallbox Sensor ODD10-IDW/ODD10-IDI* For use in applications where occupancy/vacancy sensing and 0-10V dimming control is required	1
ADDITIONAL SMART WALLBOX SENSOR OPTIONS		
	Smart PIR 24V Dimming Wallbox Sensor ODD24-IDW* For use in low voltage applications where occupancy/vacancy sensing and 0-10V dimming control is required; requires an OPP20 or OSA20 Power Pack for operation	1
	Smart PIR Wall Switch Sensor ODS15-IDW/ODS15-IDI* For use in applications where occupancy/vacancy sensing and ON/OFF switching control is required	1
	Smart Multi-Tech 0-10V Dimming Wallbox Sensor ODDMT-MDW/ODDMT-MDI/ODDMT-M3W* For use in applications where occupancy/vacancy sensing and 0-10V dimming control is required without direct line of sight	1
	Smart Multi-Tech PIR 24V Dimming Wallbox Sensor ODDMT-MLW* For use in low voltage applications where occupancy/vacancy sensing and 0-10V dimming control is required without direct line of sight; requires an OPP20 or OSA20 Power Pack for operation	1
	Smart Multi-Tech Wall Switch Sensor ODSMT-MDW/ ODSMT-MDI* For use in applications where occupancy/vacancy sensing and ON/OFF switching control is required without direct line of sight	1

* Color change kits available in Black, Red, Gray, Ivory, Light Almond and White.

SIMPLE OCCUPANCY/VACANCY SENSING AND DIMMING CONTROL SOLUTION



Application Notes

- Executive office with single lighting zone
- A single PIR/Multi-Tech sensor is used to detect occupancy and vacancy within the space
- The sensor and lighting allow for smooth and continuous adjustment of light levels using 0-10V dimming
- Multiple sensors are paired to expand the field of view (FOV) coverage
- Push-to-Pair (P2P) feature is used to easily pair multiple sensors enabling multi-location control, allowing users to control lighting from different locations within the space

Sequence of Operation

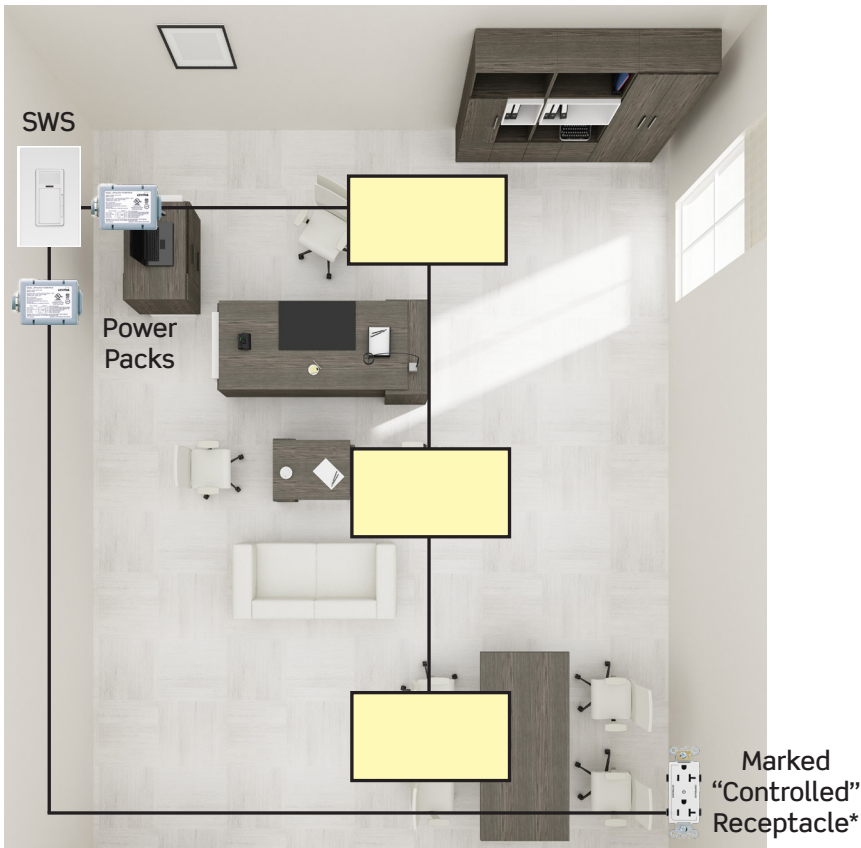
- When occupancy is detected, lights turn ON to 100%
- Occupant can adjust lighting to their desired light level with manual control
- Lights auto-OFF if no occupancy is detected after the time-out period of 10-mins expires
- Upon next occupancy event lighting comes on to 100%

WHAT YOU WILL NEED

SMART PIR WALLBOX SENSORS		QTY.
	Smart PIR 0-10V Dimming Wallbox Sensor ODD10-IDW/ODD10-IDI* For use in applications where occupancy/vacancy sensing and 0-10V dimming control is required	1
ADDITIONAL SMART WALLBOX SENSOR OPTIONS		
	Smart PIR 24V Dimming Wallbox Sensor ODD24-IDW* For use in low voltage applications where occupancy/vacancy sensing and 0-10V dimming control is required; requires an OPP20 or OSA20 Power Pack for operation	1
	Smart PIR Wall Switch Sensor ODS15-IDW/ODS15-IDI* For use in applications where occupancy/vacancy sensing and ON/OFF switching control is required	1
	Smart Multi-Tech 0-10V Dimming Wallbox Sensor ODDMT-MDW/ODDMT-MDI/ODDMT-M3W* For use in applications where occupancy/vacancy sensing and 0-10V dimming control is required without direct line of sight	1
	Smart Multi-Tech 24V Dimming Wallbox Sensor ODDMT-MLW* For use in low voltage applications where occupancy/vacancy sensing and 0-10V dimming control is required without direct line of sight; requires an OPP20 or OSA20 Power Pack for operation	1
	Smart Multi-Tech Wall Switch Sensor ODSMT-MDW/ ODSMT-MDI* For use in applications where occupancy/vacancy sensing and ON/OFF switching control is required without direct line of sight	1

* Color change kits available in Black, Red, Gray, Ivory, Light Almond and White.

SIMPLE OCCUPANCY/VACANCY SENSING AND DIMMING WITH RECEPTACLE CONTROL - PLUG LOAD CONTROL WITH ODD24-IDW OR ODDMT-MLW



Application Notes

- Office with single lighting zone
- Sensor automatically turns the lights on when occupancy is detected and off when the office is vacant
- 0-10V dimming is supported by sensor and lighting, providing the ability to adjust lighting levels to suit different tasks
- Sensors turn off plug loads when the space is vacated and time expires

Sequence of Operation

- When occupancy is detected, lights turn ON to 100%
- Sensor sensitivity is set to 60% to detect movement within the space to help prevent false-ONS
- Occupants can adjust lighting to their desired light level
- Occupant turns lights off to share presentation, plug load remains on and only turns off when space is vacant and time expires
- Lighting and Plug Load turn OFF once space is vacated and timeout runs out
- Upon next occupancy event lighting comes on to 100%

WHAT YOU WILL NEED

SMART WALLBOX SENSORS AND POWER PACKS		QTY.
	Smart PIR 24V Dimming Wallbox Sensor ODD24-IDW* For use in low voltage applications where occupancy/vacancy sensing and 0-10V dimming control is required; requires an OPP20 or OSA20 Power Pack for operation	1
	Super Duty Power Pack OPP20-RD4 For use with an ODD24 Smart PIR 24V Dimming Wallbox Sensor	2
	Marked "Controlled" Receptacles 16252-1PW/16252-2PW Provides receptacle or plug load control	1 +
ADDITIONAL SMART WALLBOX SENSOR OPTIONS		
	Smart Multi-Tech 24V Dimming Wallbox Sensor ODDMT-MLW* For use in low voltage applications where occupancy/vacancy sensing and 0-10V dimming control is required; requires an OPP20 or OSA20 Power Pack for operation	1

* Color change kits available in Black, Red, Gray, Ivory, Light Almond and White.

Smart Wallbox Sensors Comparison

Smart Wallbox Sensors



ODS15-IDx

ODD10-IDx

ODD24-IDW

ODP10-11x

Technology	PIR			
Mounting	Wall			
Coverage (SF)	1,100			
Pattern	180°			
Mounting Height	40 to 48"			
Configuration	Out-of-the-box default mode, pushbutton programming, app configurable with the Smart Sensor App			
Timeouts	30 sec, 5 min, 10 min, 20 min, 30 min, and 60 min			
Voltage	120-277VAC, 50/60Hz	120-277VAC	24VDC	120VAC
Occupancy or Vacancy	Occupancy and vacancy			
Dimming	Switching only	0-10V dimming	0-10V dimming	1000W dimming
Daylighting	Ambient light hold-OFF			
Other	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication			
Listing	UL, cUL, FCC, IECC, IC			
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy, dimming, daylight harvesting, and plug load control requirements			

Smart Wallbox Sensors Comparison

Smart Wallbox Sensors



	ODSMT-MDx	ODDMT-MDx ODDMT-M3W	ODDMT-MLx	ODP10-M1x
Technology	Multi-Technology (PIR & microphonics)			
Mounting	Wall			
Coverage (SF)	1,100			
Pattern	180°			
Mounting Height	30 to 40"			
Configuration	Out-of-the-box default mode, pushbutton programming, app configurable with the Smart Sensor App			
Timeouts	30 sec, 5 min, 10 min, 20 min, 30 min, and 60 min			
Voltage	120-277VAC	120-277VAC (ODDMT-MDx) 347VAC (ODDMT-M3W)	24VDC	120VAC
Occupancy or Vacancy	Occupancy and vacancy			
Dimming	Switching only	0-10V dimming	0-10V dimming	1000W dimming
Daylighting	Ambient light hold-OFF			
Other	Connect up to 5 devices for multi-way control; create multi-room templates for fast room replication			
Listing	UL, cUL, FCC, IECC, IC			
Code Compliant	Can be used to comply with ASHRAE 90.1, IECC, NECB, and 2025 Title 24, Part 6 occupancy/vacancy, dimming, daylight harvesting, and plug load control requirements			



Smart Ceiling Mount Sensors

Smart Ceiling Mount Sensors (CMS) deliver an all-in-one code compliant solution. The line simplifies advanced lighting controls by integrating several control strategies into a self-contained, cost-effective, easy-to-install, and easy to configure device. Ideal for education, commercial spaces, healthcare, hospitality, and retail applications.

System fine-tuning and adjustments from the palm of your hand

Ladderless Commissioning with the Smart Sensor App

Select sensing technology

Select operating mode

Configure sensor settings

Enable partial-ON and partial-OFF

Configure daylighting settings

Network devices to expand FOV coverage up to 10,000 SF

Control up to 10 zones independently

Program Scheduling

Create multi-room templates

Manual control with wireless switching, wireless dimming, wireless 4-button keypads, or 1-, 2-, and 4-button low voltage keypad options

Can be used to comply with IECC, ASHRAE 90.1, and Title 24, Part 6

Integrated occupancy/vacancy sensor, photocell, and power pack in a self-contained device

Wireless multi-way control

Standalone, networkable advanced lighting control

Occupancy/vacancy sensing

0-10V dimming, partial-ON, and partial-OFF

ON/OFF switching

Daylight harvesting

Ambient light hold-OFF

Automatic closed or open loop daylighting

Plug load control

Demand response

Out-of-the-box default mode

UL924 Listed for emergency lighting

Single and dual relay models include 2 interchangeable lenses and aisleway masks

SMART CEILING MOUNT SENSOR 2021 IECC OPEN OFFICE SOLUTION



Meets the following 2021 IECC Requirements

Section 405.2.1.3 - Open Plan Office Control

- Controls configured so that lighting is controlled separately in floor areas <600 sq. ft. within the open office space
- Controls must auto-OFF general lighting in all control zones within 20 minutes of vacancy
- Controls configured so lighting power in each control zone is uniformly reduced by at least 80% of full power within 20 minutes of vacancy
- Includes daylight responsive control that activates lighting within the control zone only when occupancy is detected within that zone

WHAT YOU WILL NEED

SMART CEILING MOUNT SENSOR 2021 IECC OPEN OFFICE SOLUTION		QTY.
	Smart Ceiling Mount Sensor ACY15-DIW Provides true 2 zone control for occupancy/vacancy sensing, dimming, and daylight harvesting control for 450-1500 sq. ft. of coverage	4
	Wireless Companion Dimmer SBK00-CDW Dimming control for multi-way applications	8
	Glass Mounting Kit for Wireless Companion Devices WPN01-00W Glass mounting kit for Wireless Companion Devices	As needed
	Smart Sensor App Download from the Google Play or Apple App Stores	1
ADDITIONAL SMART CEILING MOUNT SENSOR MANUAL CONTROL OPTIONS		
	Wireless Companion 4-Button Keypad (ON, OFF, Raise, Lower) SBK00-4DW 4-Button dimming control for multi-way applications	8

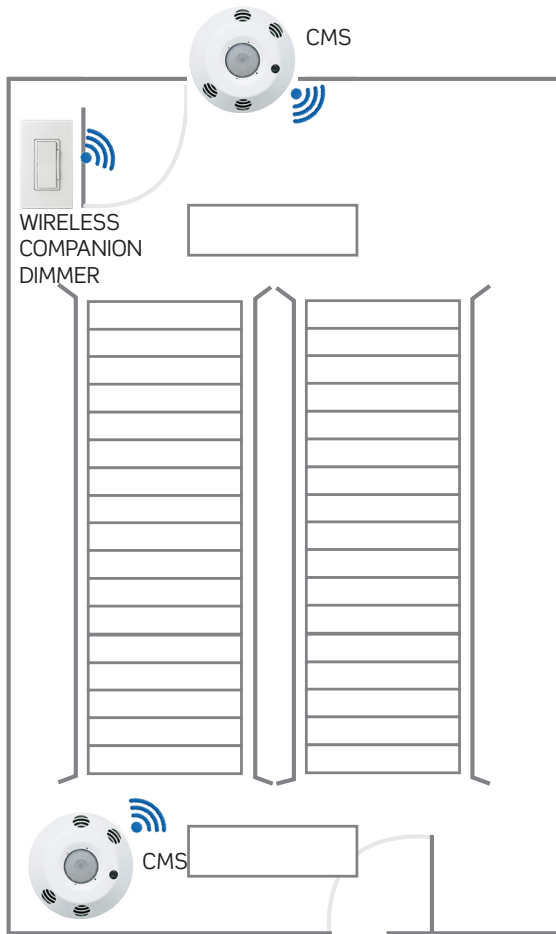
Application Notes

- Open Office with single lighting zones of 600 sqft or less
- Lighting turns on when occupancy is detected
- 0-10V dimming allows for adjustable light levels based on occupancy and daylight availability
- Lighting levels adjusted using daylight harvesting based on natural light levels
- Wireless manual control available at every 600 sqft pod
- Sensors auto-OFF lighting in zone when vacancy is detected within 20-mins

Sequence of Operation

- When occupancy is detected all lighting turns ON to 100%
- Occupants in each lighting zone can adjust lighting to their desired light level using local control
- Daylight zones to be dimmed via sensor's integrated photocell when sufficient daylight is available
- After 20-mins, lights dim to 20% brightness if no movement is detected
- Lighting remain at 20% brightness for an additional 10-mins before turning off completely if space remains vacant
- Upon next occupancy event lighting comes on to 100%

SMART CEILING MOUNT SENSOR STAIRWELL CODE-COMPLIANT SOLUTION






Application Notes

- Stairwell with multiple PIR occupancy/vacancy zones
- Multi-zone 0-10V dimming allows for multiple light levels

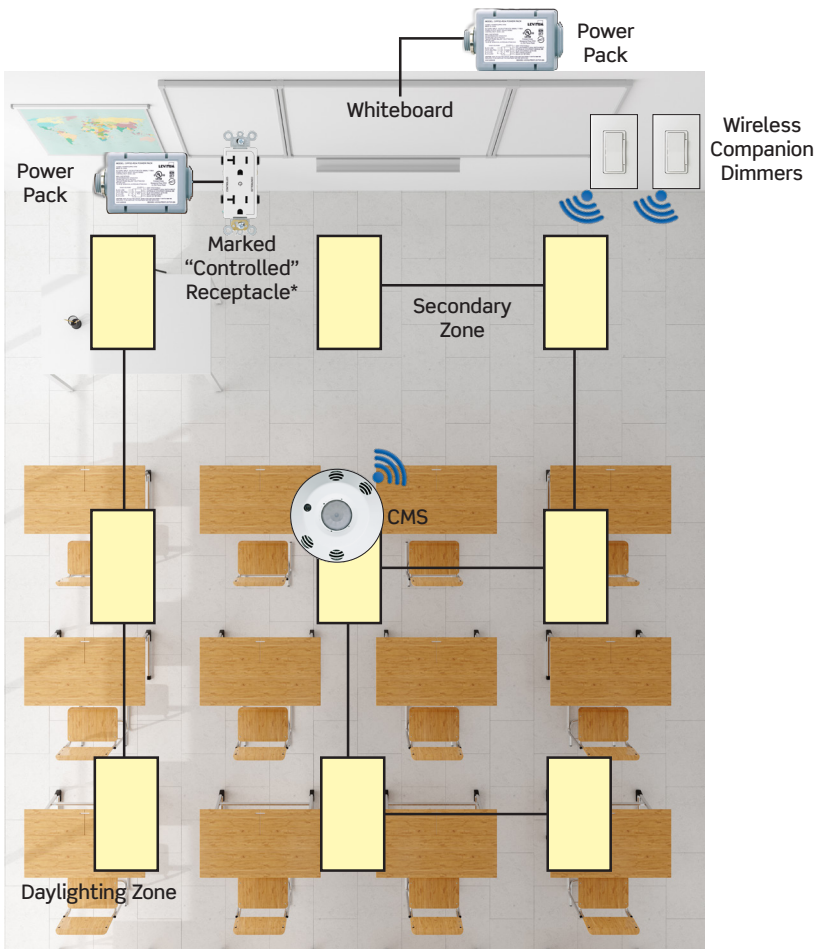
Sequence of Operation

- When occupancy is detected lights turn ON to 100%
- After 20-min time-out lighting dims to 20% of full-on level if no occupancy is detected

WHAT YOU WILL NEED

SMART CEILING MOUNT SENSOR STAIRWELL CODE COMPLIANT SOLUTION		QTY.
	Smart Ceiling Mount Sensor ACY20-DMW Provides occupancy/vacancy sensing, dimming, and daylight harvesting control for 2,000 sq. ft. coverage	2
	Wireless Companion Dimmer SBK00-CDW Dimming control	1
	Glass Mounting Kit for Wireless Companion Devices WPN01-00W Glass mounting kit for Wireless Companion Devices	As needed
	Smart Sensor App Download from the Google Play or Apple App Stores	1
ADDITIONAL SMART CEILING MOUNT SENSOR MANUAL CONTROL OPTIONS		
	Wireless Companion 4-Button Keypad (ON, OFF, Raise, Lower) SBK00-4DW 4-button dimming control	1

CLASSROOM SOLUTION







Application Notes




- Classroom contains a daylighting zone and a secondary zone
- Lighting levels automatically adjust to maintain light levels based on the amount of daylight in the space
- Two lighting zones operate independently from each other
- Plug load control available

Sequence of Operation

- When occupancy is detected lights turn ON to 100%
- Occupant can adjust lighting to their desired light level using Wireless local control
- Daylighting zone to be dimmed via sensor's integrated photocell when sufficient daylight is available
- Occupant turns lights off to share presentation, plug load remains on and only turns off when space is vacant and time expires
- Once space is vacated and timeout runs out lighting and plug load turn OFF

WHAT YOU WILL NEED

SMART CEILING MOUNT SENSOR CLASSROOM SOLUTION		QTY.
	Smart Ceiling Mount Sensor ACY20-DMW Provides true 2-zone control for occupancy/vacancy sensing, dimming, and daylight harvesting control for 2,000 sq. ft. coverage	1
	Wireless Companion Dimmer SBK00-CDW Dimming control	2
	Glass Mounting Kit for Wireless Companion Devices WPN01-00W Glass mounting kit for Wireless Companion Devices	As needed
	Super Duty Power Pack OPP20-0D1 Allows for control of the whiteboard lighting zone and switching of plug loads	2

SMART CEILING MOUNT SENSOR CLASSROOM SOLUTION		QTY.
	Marked "Controlled" Receptacle 5362-2SW For plug load control compliance	1
	Smart Sensor App Download from Google Play or Apple App Stores	1
ADDITIONAL SMART CEILING MOUNT SENSOR MANUAL CONTROL OPTIONS		
	Wireless Companion 4-Button Keypad (ON, OFF, Raise, Lower) SBK00-4DW 4-button dimming control	2

EXPANDED FOV SOLUTION








Application Notes

- Large open office space (greater than 2,000 sq. ft.) must keep uniform sensor operation
- Office contains 0-10V LED lighting
- Smart Sensor app is used to network the devices together and expand the FOV
- Space contains four separate lighting zones, lighting can be manually adjusted using manual control
- Wall stations and dimmers located at entry locations control the lighting

Sequence of Operation

- When occupancy is detected, all lights turn ON to 100%
- Occupant can adjust lighting to their desired light level at each zone using wireless local control
- Lighting will dim to 50% if space is no motion is detected after 20-mins
- Lighting remains at 50%, if occupancy is detected, lighting will turn on to 100%
- If no occupancy is detected, lights to full OFF after an additional 20 minutes
- Upon next occupancy detection, all lights turn ON to 100%

WHAT YOU WILL NEED

SMART CEILING MOUNT SENSORS WITH EXPANDED FOV SOLUTION		QTY.
	Smart Ceiling Mount Sensor ACY20-DMW Provides expanded FOV and true 2-zone control for occupancy/vacancy sensing, dimming, and daylight harvesting control for 2,000 sq. ft. coverage	4
	Wireless Companion Dimmer SBK00-CDW Dimming control for multi-way applications	4
	Glass Mounting Kit for Wireless Companion Devices WPN01-00W Glass mounting kit for Wireless Companion Devices	As needed
	Smart Sensor App Download from the Google Play or Apple App Stores	1
ADDITIONAL SMART CEILING MOUNT SENSOR MANUAL CONTROL OPTIONS		
	Wireless Companion 4-Button Keypad (ON, OFF, Raise, Lower) SBK00-4DW Manual 4-button pushbutton control for ease of use and code compliance requirements	4

Smart Ceiling Mount Sensors Comparison

Smart Ceiling Mount Sensors



	ACY15-DIW	AC705-DMW ACY20-DMW	ACS15-DIW	ACS05-DMW ACS10-DMW ACS20-DMW	AC205-DMW AC220-DMW
Technology	PIR	Multi-Technology (PIR & U/S)	PIR	Multi-Technology (PIR & U/S)	Multi-Technology (PIR & U/S)
Mounting	Ceiling Mount				
Coverage (SF)	450-1,500	500 2,000	450-1,500	500 1,000 2,000	500 2,000
Pattern	360°				
Mounting Height	6 to 20'				
Configuration	Out-of-the-box default mode, pushbutton programming, app configurable with the Smart Sensor App				
Time Delay	30 sec, 5 min, 10 min, 20 min, 30 min, and 60 min				
Voltage	120-277VAC				
Number of Zones	2	1 (AC705-DMW) 2 (ACY20-DMW)	1	1	2
Occupancy or Vacancy	Occupancy and vacancy				
Dimming	0-10V dimming		Switching only		
Daylighting	Daylight harvesting		Ambient light hold-OFF		
Scheduling	Yes		Yes (when paired with AC705, ACY15, or ACY20)		
Manual Control	PLVSW 1-, 2-, and 4-Button Low Voltage Keypads, Wireless Companion Switch, Wireless Companion Dimmer, or Wireless Companion 4-Button Keypads		PLVSW 1- and 2-Button Low Voltage Keypads or Wireless Companion Switch		
Other	Combines occupancy/vacancy sensor, photocell, and power pack; includes 2 interchangeable lenses and aisleway masks; independent zone control for up to 10 zones: wirelessly network up to 5 Smart Ceiling Mount Sensors to expand FOV up to 10,000 SF; multi-way control; create multi-room templates for fast room replication; UL924 Listed for emergency lighting				
Listing	UL773A (Occupancy Standard), UL924 (Emergency Equipment), cUL Listed, NOM Certified, RoHS Compliant, NY LLC48 Compliant				
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, partial-ON, partial-OFF, daylight harvesting, demand response, and plug load control requirements		Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, demand response, and plug load control requirements		



Smart Fixture Mount Sensors

Smart Fixture Mount Sensors are IP66 rated and designed for use with switching, 0-10V LED dimming drivers, and fluorescent ballasts. The sensors use PIR detection technology and advanced optics to provide an exceptional field-of-view (FOV) for mounting heights from 8 to 40 feet. Configuration is made using the Smart Sensor App. Ideal for warehouses, parking lots and garages, outdoor sports facilities, and building facades.

Ladderless Commissioning with the Smart Sensor App

- Select operating mode
- Configure sensor settings (i.e. sensitivity, timeouts)
- Enable partial-ON and partial-OFF
- Configure daylighting settings
- Grouping
- Program scheduling (universal models only)
- Create multi-room templates

Can be used to comply with IECC, ASHRAE 90.1, and Title 24, Part 6

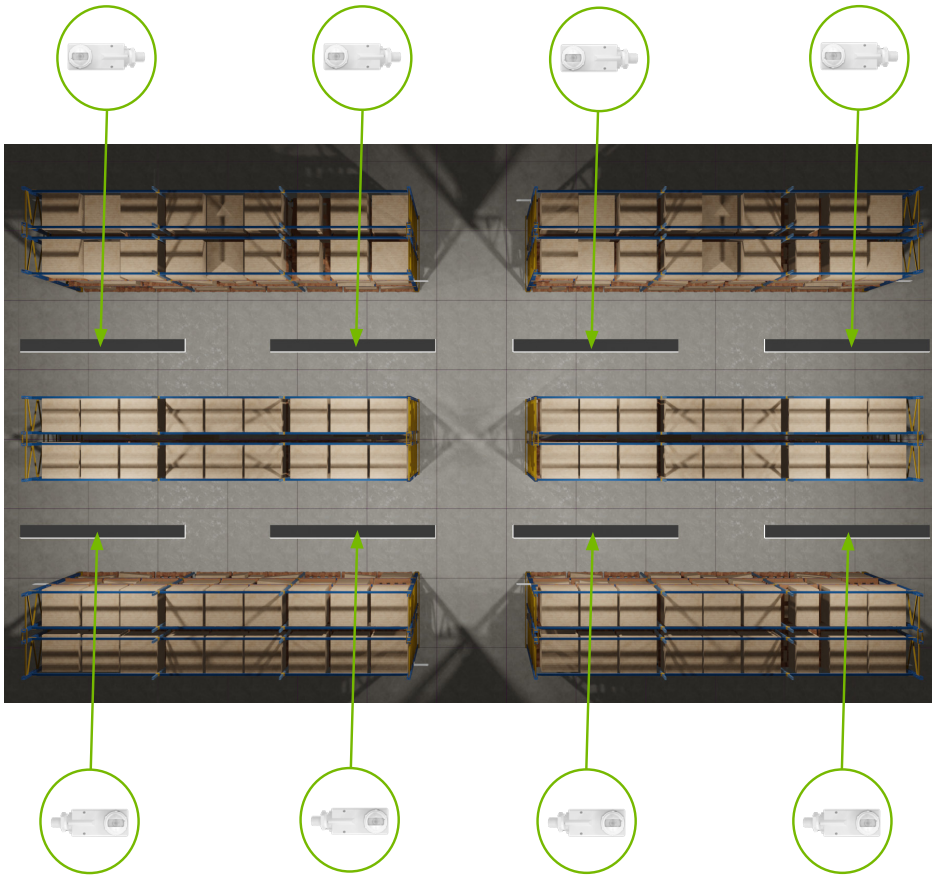
Internal fixture mount model

End/external fixture mount model

- Occupancy/vacancy sensing
- IP66 Rated
- ON/OFF switching
- 0-10V dimming
- Partial-ON and partial-OFF
- Multiple daylighting modes: ambient light hold-OFF, (switching), daylight harvesting (dimming), and daylight transition lighting (reverse daylight harvesting)
- Largest field-of-view for 8' to 40' mounting heights
- Universal voltage models
- Out-of-the-box default mode

Includes low bay and high bay lenses and aisleway masks

OCCUPANCY/VACANCY SENSING, DIMMING AND MULTI-ZONE CONTROL





Application Notes

- Warehouse contains multiple zones of lighting
- Sensors must be able to dim lighting
- Lighting levels automatically adjust to maintain light levels based on the amount of daylight in the space
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space

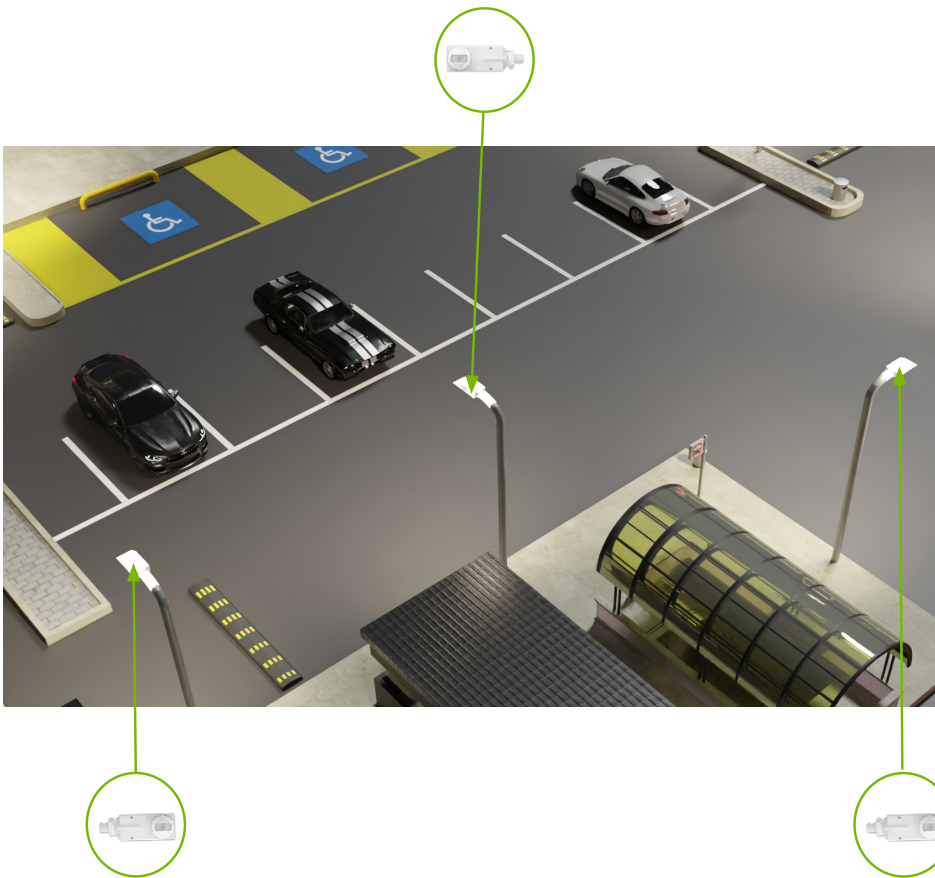
Sequence of Operation

- Lighting auto-ON to 100% brightness when occupancy is detected
- Daylighting zones to be dimmed via sensor's integrated photocell when sufficient daylight is available
- Upon vacancy, lighting to turn OFF after 20-min timeout expires
- Lighting in areas to return to 100% upon reoccupancy
- Scheduling feature for creating and adding events and schedules to fit the light

WHAT YOU WILL NEED

SMART IP66 INTEGRATED FIXTURE MOUNT SENSORS		QTY.
	Smart IP66 PIR Integrated Fixture Mount Sensors OFDxZ End fixture mount sensors for single zone occupancy/vacancy sensing and 0-10V dimming control	1 per fixture
	Smart Sensor App Download on the App Store or Google Play	—

DIMMING AND DAYLIGHT HARVESTING CONTROL





Application Notes

- Parking lot space with multiple lighting zones
- Must have daylight harvesting capabilities
- Sensors can be grouped together using the Smart Sensors App
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space

Sequence of Operation

- Lighting to be controlled via occupancy or scheduling to auto-ON
- Sensor to partial-OFF each lighting zone by 50% when no activity has been detected for 20-mins
- Lighting dims to off based on the ambient light level

WHAT YOU WILL NEED

SMART IP66 INTEGRATED FIXTURE MOUNT SENSORS		QTY.
	Smart IP66 PIR Integrated Fixture Mount Sensors ZLDUZ-I0W Internal fixture mount sensor designed for switching or 0-10V dimming control	1 per fixture, 2 per pole
	Smart Sensor App Download on the App Store or Google Play	—

OCCUPANCY/VACANCY SENSING AND DIMMING CONTROL





Application Notes

- Outdoor sports facility with consistent lighting needs in each area of the court
- 0-10V dimming
- Sensors have daylight harvesting capabilities
- Sensors can be grouped together for consistent lighting based on schedule, light level, and occupancy using the Smart Sensors App
- Scheduling feature used to schedule ON and OFF times

Sequence of Operation

- Lighting turns ON automatically based on occupancy detection
- Lighting dims to off based on the ambient light level or based on schedule
- When space is empty, lighting to partial-OFF to 40% within 20-mins of occupant leaving the space
- Lighting remains at 40% or dims to off based on the ambient light level

WHAT YOU WILL NEED

SMART IP66 INTEGRATED FIXTURE MOUNT SENSORS		QTY.
	Smart IP66 PIR Integrated Fixture Mount Sensors ZLDUZ Internal fixture mount sensors for single zone occupancy/vacancy sensing and 0-10V dimming control	1 per fixture
	Smart Sensor App Download on the App Store or Google Play	—

0-10V DIMMING CONTROL





Application Notes

- Outdoor building facade with 0-10V dimming
- Sensors have daylight harvesting capabilities
- Scheduling feature for creating and adding events and schedules to fit the lighting control needs of the space

Sequence of Operation

- Lighting turns ON automatically based on occupancy detection
- When space is vacated, lighting to partial-OFF to 40% within 20-mins of occupant leaving the space
- Lighting to auto-ON/auto-OFF based on scheduling

WHAT YOU WILL NEED

SMART IP65 INTEGRATED FIXTURE MOUNT SENSORS		QTY.
	Smart IP65 PIR Integrated Fixture Mount Sensors ZLDUZ-I0W or OFDUZ-I0W Fixture mount sensors designed for switching or 0-10V dimming control	1
	Smart Sensor App Download on the App Store or Google Play	—

Smart Fixture Mount Sensors Comparison

Smart Fixture Mount Sensors (FMS)



ZLD1Z-I0W

ZLDUZ-I0W

OFD1Z

OFDUZ

Technology	PIR			
Mounting	Internal fixture mount		End/external fixture mount	
Coverage (SF)	Up to 8,250			
Pattern	360°			
Mounting Height	8 to 40'			
Configuration	Out-of-the-box default mode and app configurable with the Smart Sensor App			
Timeouts	30 sec, 5 min, 10 min, 20 min, 30 min, and 60 min			
Voltage	120-277VAC	120-480VAC	120-277VAC	120-480VAC
Occupancy or Vacancy	Occupancy			
Dimming	0-10V dimming			
Daylighting	Multiple daylighting modes: ambient light hold-OFF, (switching), daylight harvesting (dimming), and daylight transition lighting (reverse daylight harvesting)			
Scheduling	No	Yes	No	Yes
Other	IP66 rated, includes 2 interchangeable lenses and aisleway masks; create multi-room templates for fast room replication			
Listing	UL, cUL, FCC, IECC, IC			
Code Compliant	Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy sensing, dimming, and daylight harvesting requirements			



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

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) 800-959-6004

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

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