

# Intellect™ Wireless Integrated Fixture Sensors and Controllers

## Integrated In-Fixture Wireless Lighting Control



ZL0xS-N00



ZL0x0-N00



ZL0D0-B0x



ZL070-Bxx

### Description

Intellect™ Wireless Integrated Fixture Sensors and Controllers are designed to be installed directly into luminaires to enable wireless networking in a GreenMAX® DRC Wireless Lighting Control System. The wireless devices are available in two form factors: industry standard 1/2" electrical knockout, or for installation within the luminaire wiring compartment. Control options include DALI, and single or dual 0-10V channels for standard, bi-directional or tunable white luminaires.

The ZL0xS wireless sensors integrate digital Passive Infrared (PIR) occupancy detection and daylight harvesting into a single compact unit. The sensors are designed for an optimal mounting height to fixture spacing of 1:1 at 8 feet with a maximum height of 20 feet. The 360 degree segmented lens provides 900 sq. ft. of major motion and 500 sq. ft. of minor motion occupancy detection coverage.

### Applications

- Conference rooms
- Private offices
- Open office areas
- Classrooms
- Cafeteria and break areas
- Restrooms
- Lobbies
- Stairways
- Retail displays
- Museums and art galleries

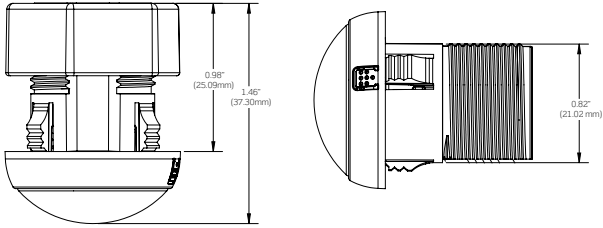
### Features

- Passive Infrared (PIR) occupancy detection with integrated daylight harvesting photocell
- Controls 0-10V DIM-to-OFF with AUX power or DALI LED drivers
- DALI-2 output and powered
- Installs into industry standard 1/2" knockout or mounts within the fixture
- Reset switch for network status, test mode or to restore factory defaults
- Tunable white - enable color temperature transitions based on time of day or user preference
- LED status indicator
- Zone control when paired with wireless room controller
- Manual-ON/Auto-OFF
- Partial-ON and Partial-OFF
- **App-based control - wirelessly commission, configure and control using the GreenMAX DRC App**
- Fully digital sensor
- Commission using the GreenMAX DRC App:
  - Detection sensitivity
  - Time out
  - Target level
  - Occupancy/vacancy mode
  - Occupancy zones
  - Task tuning
  - Disable occupancy
  - Groups
  - Scenes
  - Schedules
- Can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements
- Intellect products are listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL) when used as part of a GreenMAX DRC System

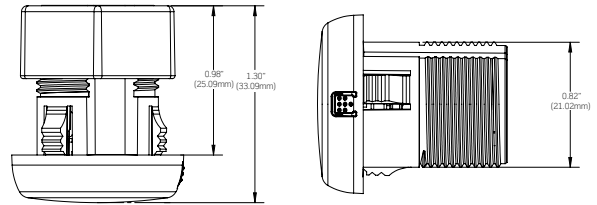
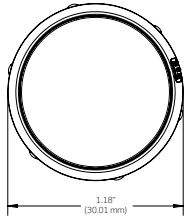
# Product Data

## ZL0xx

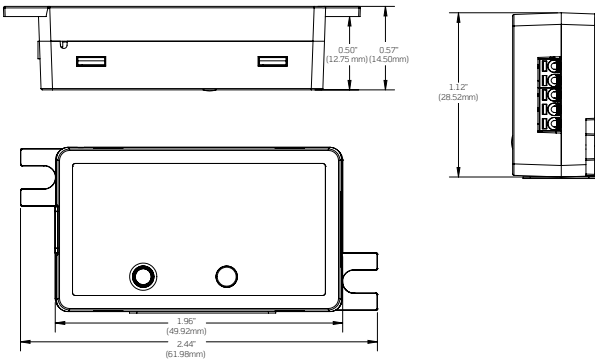
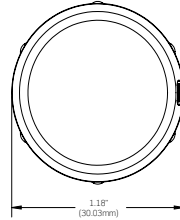
### Dimensions



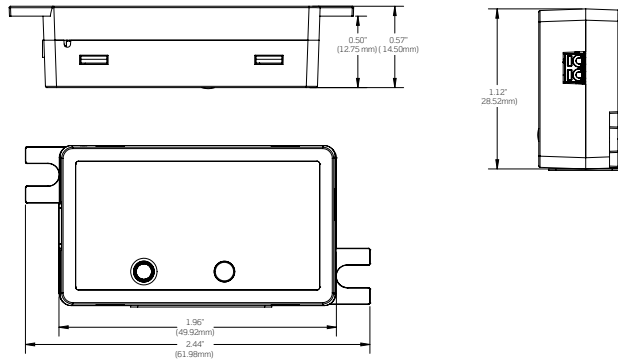
ZL075-N00/ ZL0DS-N00



ZL070-N00/ ZL0D0-N00

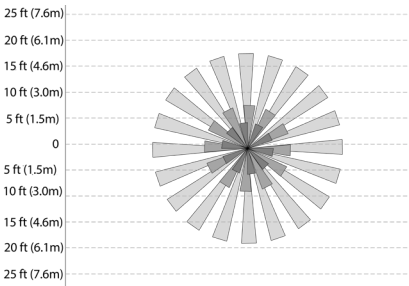


ZL070-Bxx

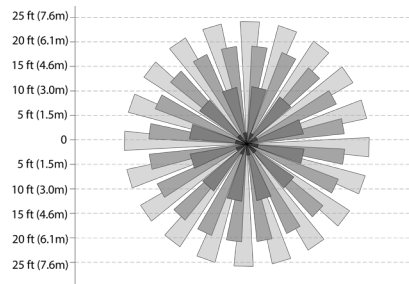


ZL0D0-B0x

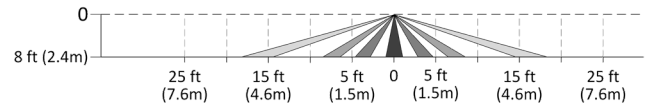
### Field-Of-View Diagrams



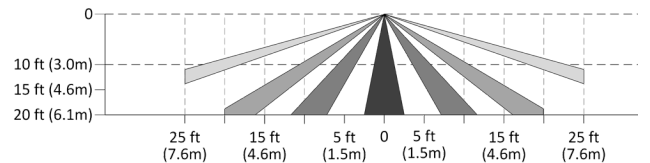
Top View - 8 Feet



Top View - 20 Feet



Side View - 8 Feet



Side View - 20 Feet

## Specifications - Sensors & Fixture Controllers

Electrical	ZL070-N00/ZL07S-N00	ZL0D0-N00/ ZL0DS-N00
Input Rating	12-24VDC	DALI-2
Control Output	0-10V, 5mA sinking	
Impulse Voltage	800V	
Environmental		
Operating Temperature	32° to 185° F (0° to 85° C)	
Storage Temperature	-4° to 185° F (-20° to 85° C)	
Pollution Degree	2	
Other		
Energy Codes	Can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements	
Rating	IP20 Rated	
Certifications and Agency Standards	cULus LISTED UL916 / CSA C22.22 No. 205, Energy Mgmt. Eq., cULus LISTED UL924 / CSA C22.2 No. 141-10 Emergency Lght., cULus LISTED UL2043 Plenum Rating, FCC Part 15, Class B, ANSI C137.4, Zhaga Book 20, listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL) when used as part of a GreenMAX DRC System	
Weight	0.05 lbs (0.22kg)	
Mounting	1/2" diameter knock-out	
Action Control Type	1	

## Specifications - Fixture Controllers

Electrical	ZL070-Bxx	ZL0D0-B0x
Input Rating	12-24VDC	DALI-2
Control Output	0-10V, 10mA sinking	
Impulse Voltage	800V	
Environmental		
Operating Temperature	32° to 122° F (0° to 50° C)	
Storage Temperature	-4° to 185° F (-20° to 85° C)	
Pollution Degree	2	
Other		
Energy Codes	Can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements	
Rating	IP20 Rated	
Certifications and Agency Standards	FCC Part 15, Class B	
Weight	0.05 lbs (0.22kg)	
Mounting	Fixture wiring compartment	
Action Control Type	1	

### 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

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## Ordering Information

### Intellect Wireless Integrated Sensors

Cat. No.	Description
ZL0DS-N00	Intellect Wireless Integrated Sensor for mounting in 1/2" Knock-Out. Occupancy and Light Level Sensor, 8-10' mounting height. DALI Output , DALI Powered
ZL07S-N00	Intellect Wireless Integrated Fixture Controller for mounting in 1/2" knock-out. Occupancy and Light Level Sensor, 8-10' mounting height. 0-10V Output. Requires +12-24VDC from LED Driver Aux port or external power supply.

### Intellect Wireless Integrated Fixture Controllers

Cat. No.	Description
ZL070-N00	Intellect Wireless Integrated Fixture Controller for mounting in 1/2" Knock-Out. No Sensor, 0-10V Output. Requires +12-24VDC from LED Driver Aux port or external power supply.
ZL0D0-N00	Intellect Wireless Integrated Fixture Controller for mounting in 1/2" Knock-Out. No Sensor, DALI Output, DALI Powered
ZL070-B00	Intellect Wireless Integrated Fixture Controller for mounting adjacent to driver in wiring compartment. No sensor, 0-10V Output. Requires +12-24VDC from LED Driver Aux port or external power supply.
ZL070-B20	Intellect Wireless Integrated Fixture Controller for mounting adjacent to driver in wiring compartment. No sensor, 2-Channel 0-10V Output. Requires +12-24VDC from LED Driver Aux port or external power supply.
ZL0D0-B00	Intellect Wireless Integrated Fixture Controller for mounting adjacent to driver in wiring compartment. No sensor, DALI output, DALI powered.
ZL027-0ES	Emergency Sense Pigtail for use with Intellect Components

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Visit our Website at: [www.leviton.com/integratedcontrols](http://www.leviton.com/integratedcontrols)

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LES-G-10582A/F24-mm  
REV JUN 2024