# INTEGRAL CONTROLS GUIDE
## LINEAR & WALL

## CONTENTS

## NETWORKED CONTROLS

**ADDITIONAL CONTROLS AVAILABLE, CONSULT FACTORY.**

### AVI-ON

#### WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| AVI-LVFA | Wireless fixture control | 8' or less | Static White | DA |
| AVI-LVFA-CCT | Wireless fixture control | 8' or less | Tunable White | DA |
| AVI-LVFA-CS2-PIR | Wireless fixture control with PIR motion and daylight sensor | 8' or less | Static White | DA |
| AVI-LVFA-CCT-CS2-PIR | Wireless fixture control with PIR motion and daylight sensor | 8' or less | Tunable White | DA |
| AVI-IFAC | Wireless fixture control | Greater than 8' | Static White | DIM |
| AVI-IFAC-CCT | Wireless fixture control | Greater than 8' | Tunable White | DIM |
| AVI-IFAC-CS2-PIR | Wireless fixture control with PIR motion and daylight sensor | Greater than 8' | Static White | DIM |
| AVI-IFAC-CCT-CS2-PIR | Wireless fixture control with PIR motion and daylight sensor | Greater than 8' | Tunable White | DIM |

**SENSOR DETAILS**
Mounting Heights: 8' – 10'
Dimensions: 13/16" x 2-1/4"
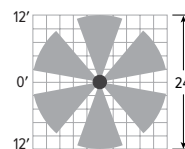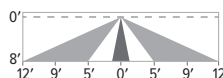
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## JDRF AUTONOMY

### WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| JDRF-AS-W | Wireless fixture control with NIR motion and daylight sensor | Greater than 8' | Static or Tunable White | D4I |
| JDRF-EAS-W | Wireless fixture control with NIR motion and daylight emergency sensor, UL 924 | Greater than 8' | Static or Tunable White | D4I |

**SENSOR DETAILS**
Dimensions: ø1"

| MOUNTING HEIGHT (ft) | COVERAGE AREA (ft²) |
|---|---|
| 9 | 113 |
| 10 | 137 |
| 11 | 167 |
| 12 | 196 |

## LUTRON ATHENA

### WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| AWNR | Wireless node fixture control, RF only | Up to 24' per node | Static or Tunable White | DSR, LD2, DA [1] |
| AWNR-BL | Wireless node fixture control, RF only, black finish | Up to 24' per node | Static or Tunable White | DSR, LD2, DA [1] |
| AWNS | Wireless node fixture control, RF with daylight and occupancy sensor | Up to 24' per node | Static or Tunable White | DSR, LD2, DA [1] |
| AWNS-BL | Wireless node fixture control, RF with daylight and occupancy sensor, black finish | Up to 24' per node | Static or Tunable White | DSR, LD2, DA [1] |

[1] DA driver only available with static white.

**SENSOR DETAILS**
Mounting Heights: 8' – 12'
Dimensions: ø1-1/8"
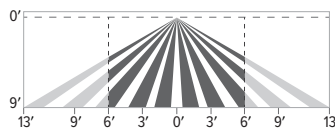


## LUTRON VIVE

### WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| VRF | Wireless fixture control, RF only (DFCSJ-OEM-RF) | Up to 24' per node | Static White | DSR |
| VRF/DBI | Wireless fixture control, RF only (DFCSJ-OEM-RF) and digital link interface | Up to 24' per node | Static White | LDE1 |
| VDO | Wireless fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) | Up to 24' per node | Static White | DSR |
| VDO/DBI | Wireless fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface | Up to 24' per node | Static White | LDE1 |

**SENSOR DETAILS**
Mounting Heights: 8' – 12'
Dimensions: 2-11/16" x 1"

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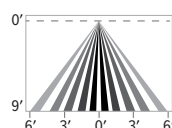
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## NX LIGHTING CONTROLS

### WIRED & WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| NX-FSP | Wired fixture control | Greater than 8' | Static or Tunable White | DIM |
| NX-FSP-SMI | Wired fixture control with PIR motion and daylight sensor (NXSMP2-SMI), Bluetooth® access | As needed for sensor coverage | Static or Tunable White | DIM |
| NX-FSP-H | Wired fixture control, Bluetooth® access. Consult factory for fixture compatibility. | Greater than 8' | Static or Tunable White | DIM |
| NX-H | Wireless fixture control, Bluetooth® access. Consult factory for fixture compatibility. | Greater than 8' | Static or Tunable White | DIM |
| NX-SMI | Wireless fixture control with PIR motion and daylight sensor (NXSMP2-SMI), Bluetooth® access | As needed for sensor coverage | Static or Tunable White | DIM |

**NX-H**

**NXSMP2-SMI SENSOR**

**SENSOR DETAILS**
Mounting Height: 12' max
Dimensions: ø1-5/8"

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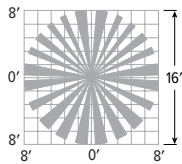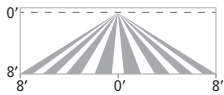
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## WATTSTOPPER DLM

**WATTSTOPPER**

### WIRED & WIRELESS SYSTEMS

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| WS-LMFC-011-2RJ | Wired on/off/dim fixture control, two RJ45 jacks | Greater than 8' | Static White | DIM1 |
| OCCWS-LMFS-601 | Wireless PIR motion and daylight sensor | Greater than 8' | Static White | D4I |
| OCCWS-LMFS-601-LMFI-111 | Wireless on/off/dim fixture control with motion and daylight sensor | Greater than 8' | Static White | DIM1 |

**SENSOR DETAILS**

Mounting Heights: 8' – 12'
Dimensions: ø1-5/16"
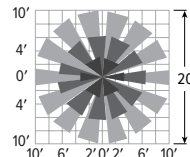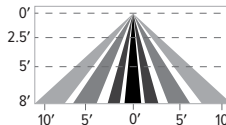
## WATTSTOPPER PLUS

**WATTSTOPPER**

### WIRED & WIRELESS SYSTEMS

| CATALOG NUMBER | DESCRIPTION | RUN LENGTH | LED PACKAGE | DRIVER |
|---|---|---|---|---|
| WS-ILCM | Wired fixture control | 8' or less | Static White | DIM1 |
| WS-ILCMDR | Wired fixture control, damp rated | 8' or less | Static White | DIM1 |
| WS-WCM | Wireless fixture control | 8' or less | Static White | DIM1 |
| WS-WCMDR | Wireless fixture control, damp rated | 8' or less | Static White | DIM1 |
| WS-CLM | Wireless fixture control | 8' or less | Static White | DA, D4I |
|  |  |  | Tunable White | D4I |
| WS-CLM-PIR | SensiLum wireless fixture control with PIR motion and daylight sensor | 8' or less | Static White | DA, D4I |
|  |  |  | Tunable White | D4I |

**SENSOR DETAILS**

Mounting Height: 20' max
Dimensions: ø7/8"

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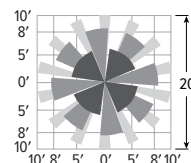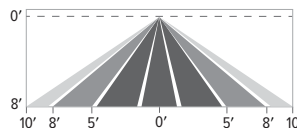
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## STAND-ALONE CONTROLS

### LEVITON

**LEVITON**

#### LIMITING

| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| LV-ZLS05-ILW | PIR motion and daylight sensor | Static White | DA |
| ZLSOR-RA1 | Optional remote controller for ZLS05 sensor. Please specify quantity required per project. Ordered and shipped separately. | | |

**SENSOR DETAILS**

Mounting Heights: 8′ – 10′
Dimensions: ø1-5/16″
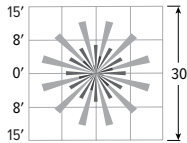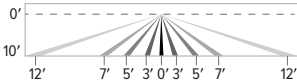
### WATTSTOPPER

**legrand®**   **WATTSTOPPER**

#### SENSOR ONLY, NO INTEGRAL CONTROLS

| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| OCCWS-FS-505-PP-___ | Low voltage ultrasonic motion sensor with power pack. Must specify voltage: 120, 277, or 347V | Static White | DIM, DIM1, DRV |

**SENSOR DETAILS**

Mounting Height: 8′ – 10′
Dimensions: 6-1/8″ x 1-5/16″

20° from vertical     Parallel to floor

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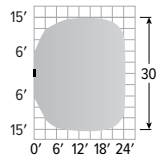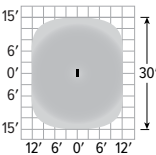
## FIXTURE COMPATIBILITY

### CONTINUOUS

**Sensor reduces portion of lit fixture, consult factory. Up/down fixtures: sensor for use in downlight orientation only.**

| | AVI-ON | | JDRF | | LEVITON | LUTRON | | | | NX | | WATTSTOPPER | | | | | | FS-505 |
| | | | | | | ATHENA | | VIVE | | | | DLM | | PLUS | | | | |
| | LVFA | CS2-PIR | AS | EAS | | AWNR | AWNS | VRF | VDO | FSP | SMI | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CX | ✓ | | | | | ✓ | | | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| LRX2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| LRX3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| LRX4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| LRX5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX2R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX2S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX2UD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX2W | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX2WUD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX4D | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX4U | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| MX4UD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX4R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX4S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX4WD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MX4WU | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| MX4WUD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| PX GRAZE | ✓ | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| PX SLOT | ✓ | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| PX WASH | ✓ | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |

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### SUSPENDED

| | AVI-ON | | JDRF | | LEVITON | LUTRON | | | | NX | | WATTSTOPPER | | | | | | FS-505 |
| | | | | | | ATHENA | | VIVE | | | | DLM | | PLUS | | | | |
| | LVFA | CS2-PIR | AS | EAS | | AWNR | AWNS | VRF | VDO | FSP | SMI | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR | FS-505 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AI3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| AX2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| AXA | ✓ | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| LLM | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| RNDP | ✓ | | | | | | | | | ✓ | | ✓ | | | | | | |
| SDI5 | ✓ | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | |

### STRIPS

| | AVI-ON | | JDRF | | LEVITON | LUTRON | | | | NX | | WATTSTOPPER | | | | | | FS-505 |
| | | | | | | ATHENA | | VIVE | | | | DLM | | PLUS | | | | |
| | LVFA | CS2-PIR | AS | EAS | | AWNR | AWNS | VRF | VDO | FSP | SMI | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR | FS-505 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 75L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 75R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 75S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 76 | ✓ | | | | | ✓ | | | | ✓ | | | | | | | | |
| 76R | ✓ | | | | | ✓ | | ✓ | ✓ | ✓ | | | | | | | | |
| FS | | | | | | | | | | | | | | | | | | |
| SRK | ✓ | | | | | ✓ | | | | ✓ | | | | | | | | |
| SRKA | ✓ | | | | | ✓ | | | | ✓ | | | | | | | | |
| SRKR | ✓ | | | | | ✓ | | | | ✓ | | | | | | | | |
| SRKS | ✓ | | | | | ✓ | | | | ✓ | | | | | | | | |

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### WALL

| | AVI-ON | | JDRF | | LEVITON | LUTRON | | | | NX | | WATTSTOPPER | | | | | | |
| | | | | | | ATHENA | | VIVE | | | | DLM | | PLUS | | | | |
| | LVFA | CS2-PIR | AS | EAS | | AWNR | AWNS | VRF | VDO | FSP | SMI | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR | FS-505 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| AIW | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| AX2W | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CL | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| SLF | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WMA | ✓ | | | | | ✓ | | | | ✓ | | | | | | | | ✓ |
| WMAUD | ✓ | | | | | ✓ | | ✓ | ✓ | ✓ | | | | | | | | ✓ |