# INTEGRAL CONTROLS GUIDE

TROFFERS, SURFACE & WRAPS

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## NETWORKED CONTROLS

**ADDITIONAL CONTROLS AVAILABLE, CONSULT FACTORY.**

### AVI-ON

Bluetooth® Lighting Controls

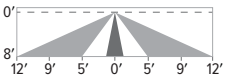
#### WIRELESS SYSTEM

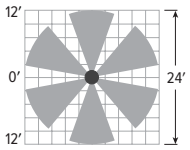
| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| **AVI-LVFA** | Wireless fixture control | Static White | DA |
| **AVI-LVFA-CCT** | Wireless fixture control | Tunable White | DA |
| **AVI-LVFA-CS2-PIR** | Wireless fixture control with PIR motion and daylight sensor | Static White | DA |
| **AVI-LVFA-CCT-CS2-PIR** | Wireless fixture control with PIR motion and daylight sensor | Tunable White | DA |



**SENSOR DETAILS**

Mounting Heights: 8′ – 10′
Dimensions: 13/16″ x 2-1/4″




### JDRF AUTONOMY

#### WIRELESS SYSTEM

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



**SENSOR DETAILS**

Dimensions: ø1″

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

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## LUTRON ATHENA

### WIRELESS SYSTEM

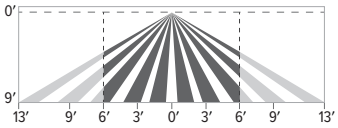
| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| **AWNR** | Wireless node fixture control, RF only | Static or Tunable White | DSR, LD2, DA [1] |
| **AWNR-BL** | Wireless node fixture control, RF only, black finish | Static or Tunable White | DSR, LD2, DA [1] |
| **AWNS** |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

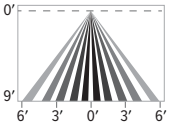
### WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| **VRF** | Wireless fixture control, RF only (DFCSJ-OEM-RF) | Static White | DSR |
| **VRF/DBI** | Wireless fixture control, RF only (DFCSJ-OEM-RF) and digital link interface | Static White | LDE1 |
| **VDO** | Wireless fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) | Static White | DSR |
| **VDO/DBI** | Wireless fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface | Static White | LDE1 |



**SENSOR DETAILS**

Mounting Heights: 8′ – 12′
Dimensions: 2-11/16″ x 1″



# INTEGRAL CONTROLS GUIDE

TROFFERS, SURFACE & WRAPS

## NX LIGHTING CONTROLS

### WIRED & WIRELESS SYSTEM

| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| **NX-FSP** | Wired fixture control | Static or Tunable White | DIM |
| **NX-FSP-SMI** | Wired fixture control with PIR motion and daylight sensor (NXSMP2-SMI), Bluetooth® access | Static or Tunable White | DIM |
| **NX-FSP-H** | Wired fixture control, Bluetooth® access. Consult factory for fixture compatibility. | Static or Tunable White | DIM |
| **NX-H** | Wireless fixture control, Bluetooth® access. Consult factory for fixture compatibility. | Static or Tunable White | DIM |
| **NX-SMI** | Wireless fixture control with PIR motion and daylight sensor (NXSMP2-SMI), Bluetooth® access | Static or Tunable White | DIM |

**NX-H**

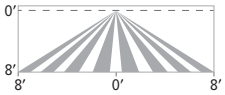


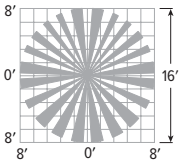
**NXSMP2-SMI SENSOR**



**SENSOR DETAILS**

Mounting Height: 12′ max
Dimensions: ø1-5/8″



# INTEGRAL CONTROLS GUIDE

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## WATTSTOPPER DLM

legrand® WATTSTOPPER

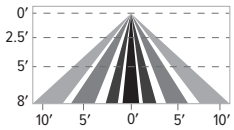
### WIRED & WIRELESS SYSTEMS

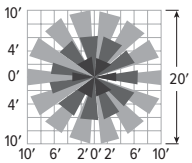
| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| **WS-LMFC-011-2RJ** | Wired on/off/dim fixture control, two RJ45 jacks | Static White | DIM1 |
| **WS-LMFS-601** | Wireless PIR motion and daylight sensor | Static White | D4I |
| **WS-LMFS-601-LMFI-111** | Wireless on/off/dim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



**SENSOR DETAILS**

Mounting Heights: 8′ – 12′
Dimensions: ø1-5/16″




## WATTSTOPPER PLUS

legrand® WATTSTOPPER

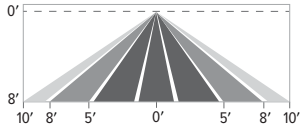
### WIRED & WIRELESS SYSTEMS

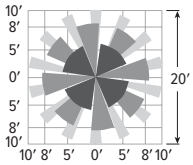
| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| **WS-ILCM** | Wired fixture control | Static White | DIM1 |
| **WS-ILCMDR** | Wired fixture control, damp rated | Static White | DIM1 |
| **WS-WCM** | Wireless fixture control | Static White | DIM1 |
| **WS-WCMDR** | Wireless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



**SENSOR DETAILS**

Mounting Height: 20′ max
Dimensions: ø7/8″



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## STAND-ALONE CONTROLS

### LEVITON

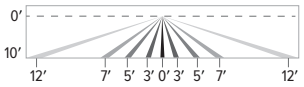
#### LIMITING

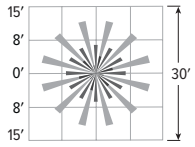
| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| LV-ZLS05-ILW | PIR motion and daylight sensor | Static White | DA |
| ZLSOR-RA1 | Optional remote controller for ZLS05 sensor. Please specify quantity required per project. Ordered and shipped separately. | | |



**SENSOR DETAILS**

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



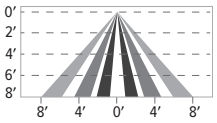



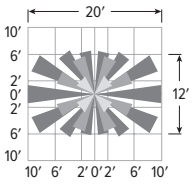

| CATALOG NUMBER | DESCRIPTION | LED PACKAGE | DRIVER |
|---|---|---|---|
| LV-OSF10-I0W-___ | PIR motion sensor. Must specify voltage: 120 or 277 | Static White | DIM, DIM1, DRV |



**SENSOR DETAILS**

Mounting Heights: 8′
Dimensions: ø1″



# INTEGRAL CONTROLS GUIDE

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## FIXTURE COMPATIBILITY

### RECESSED

| | AVI-ON | | JDRF | | LEVITON | | LUTRON | | | | NX | | WATTSTOPPER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ATHENA | | VIVE | | | | DLM | | PLUS | | | |
| | LVFA | CS2-PIR | AS | EAS | ZLS05 | OSF10 | AWNR | AWNS | VRF | VDO | FSP | SMI | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR |
| 50 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AHT | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| AP | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AT1 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AT2 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AT3 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BAR | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BP | | | | | | | | | | | | | | | | | | |
| DI | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| DI-AR | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| DIL | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| FRM | ✓ | ✓ | | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| FT | | | | | | | | | | | | | | | | | | |
| HET | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| HET-AR | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| HETL | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| LL6 | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LPT | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LT | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| LT-AR | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| PT | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PTDC | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PT-MET | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PTR | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | ✓ | ✓ |
| RND | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| SQR | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| V50 | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| VDIL | ✓ | | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |

# INTEGRAL CONTROLS GUIDE

TROFFERS, SURFACE & WRAPS

## SURFACE

| | AVI-ON | | JDRF | | LEVITON | | LUTRON | | | | NX | | WATTSTOPPER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVFA | CS2-PIR | AS | EAS | ZLS05 | OSF10 | ATHENA | | VIVE | | FSP | SMI | DLM | | PLUS | | | |
| | | | | | | | AWNR | AWNS | VRF | VDO | | | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR |
| 11 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 12 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 1SF | ✓ | | | | | ✓ | | | | | ✓ | | | | | | | |
| ASM | ✓ | | | | | | ✓ | | | | ✓ | | ✓ | | | | | |
| ATS1 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| ATS2 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| ATS3 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| DIS | ✓ | | | | | | ✓ | | | | ✓ | | ✓ | | | | ✓ | |
| HES | ✓ | | | | | | ✓ | | | | ✓ | | ✓ | | | | ✓ | |
| PTS | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| RNDS | ✓ | | | | | | | | | | ✓ | | ✓ | | | | | |
| SL | ✓ | | | | | | ✓ | | | | ✓ | | ✓ | | ✓ | ✓ | ✓ | |

## WRAPS

| | AVI-ON | | JDRF | | LEVITON | | LUTRON | | | | NX | | WATTSTOPPER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVFA | CS2-PIR | AS | EAS | ZLS05 | OSF10 | ATHENA | | VIVE | | FSP | SMI | DLM | | PLUS | | | |
| | | | | | | | AWNR | AWNS | VRF | VDO | | | LMFC | LMFS | ILCM | WCM | CLM | CLM-PIR |
| NW | | | | | | | | | | | | | | | | | | |
| AW | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| AVX | ✓ | | | | | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | ✓ | |
| 17 | ✓ | | | | | | ✓ | | | | ✓ | | ✓ | | | | | |
| 39 | ✓ | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | |
| 39W | ✓ | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | |