### Sensor Options Guide

#### Lutron Catalog Number Options

<table>
<thead>
<tr>
<th>Daylight Sensor</th>
<th>Occupancy Sensor</th>
<th>Description</th>
<th>Ballast Requirement</th>
<th>Installed on SCE or 12&quot; housing</th>
<th>Installed on Luminaire</th>
<th>Warranty Coverage for Sensor-Related Parts</th>
</tr>
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</table>
| X               | DSL              | - Ecosystem daylight sensor, open loop  
- Daylight sensor is wired to one ECS Ecosystem digital dimming ballast  
- Sensor can be programmed to control multiple ballasts | Lutron Ecosystem ECS Digital Dimming | CV, CVRL, CVRB, CVL, PLK, CVSL, CVPL | 1 Year |

Specify quantity before nomenclature if greater than one. (ex: CVRL-20-2T8-CM48-EDULUTES-MW-DSL)

#### Philips Catalog Number Options

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| X               | ODP              | - Daily sensor and occupancy sensor combined  
- When no occupancy is detected, fixture turns off  
- Coverage is 15' x 9' at 8' mounting height or 18' x 12' at 10' mounting height | X | LCV, LCVR | LP7 | 5 Year |

Specify quantity before nomenclature if greater than one. (ex: CVRL-20T8-CM48-WCB-EDUMK7-MW-2DSPL)

ODP sensor can control up to 10 drivers.

#### Wattstopper Catalog Number Options

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| X               | OW1              | - Low voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 15' diameter coverage at 8' mounting height  
- Power pack is not supplied. Only the sensor is integral to the luminaire | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | LP7, PLK | 1 Year |
| X               | OW26             | - Low voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 20' diameter coverage at 8' mounting height | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | PLK | Year |
| X               | OW22             | - Low voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 48' diameter coverage at 8' mounting height | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | LP7, PLK | Year |
| X               | OW23             | - Low voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 40' diameter coverage at 20' mounting height | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | PLK | Year |
| X               | OW24             | - Low voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 60' diameter coverage at 40' mounting height | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | PLK | Year |
| X               | OW42             | - Line voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 48' diameter coverage at 8' mounting height | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | LP7, PLK | Year |
| X               | OW43             | - Line voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 40' diameter coverage at 20' mounting height  
- Power pack is not supplied. Only the sensor is integral to the luminaire | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | PLK | Year |
| X               | OW44             | - Line voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 60' diameter coverage at 40' mounting height | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | PLK | Year |
| X               | OW46             | - Line voltage, Passive infrared (PIR) occupancy sensor  
- Lens has 40' diameter coverage at 20' mounting height  
- Power pack is not supplied. Only the sensor is integral to the luminaire | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | PLK | Year |
| X               | DW               | - Low voltage, Daylight dimming sensor, closed loop  
- Requires one remote control setup tool per project | X | LCV, CV, CPLS, LCVR, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL | LP7, PLK | Year |

Specify quantity before nomenclature if greater than one. (ex: CVRL-20T8-CM48-EPFU-MW-DC-SCE-205SW26).

All Wattstopper options shown are field programmable upon installation.

1 Longer rows that exceed the general coverage pattern may require an integral sensor to be placed on a 12" housing to be placed in the midst of the row. The 12" housing is in addition to the sensors being placed at the ends of the row.
General Notes

1. Alera layout drawings are required for projects requiring integral sensors.
2. Internal wiring of the sensor is performed by Alera. In cases where a sensor is installed on an end cap or a 12" housing, it will ship installed on an adjacent fixture. Details will be shown on Alera layout drawings.
3. Alera standard practice is to place the integral sensor at the end of the row. Contact the factory for alternate placement or multiple sensor options.
4. Occupancy sensor lens coverage pattern is suggested by the sensor manufacturer. Contact the factory for assistance with coverage pattern information not listed.
5. Commissioning or programming of integral sensors is performed by others. In most cases, it is completed by the installer. Refer to the sensor manufacturer’s website for commissioning/programming instructions.
6. Although some manufacturers publish multiple sensors can be used on one power pack, Alera will provide one integral sensor per integral power pack. Contact factory with questions.
7. Sensors and/or power packs carry a pass-through warranty. Contact the factory for specific sensor and/or power pack details prior to contacting sensor manufacturer.
8. Sensor and sensor component warranty is by the sensor manufacturer. Charges for labor, materials, etc. require written approval prior to implementation. Failure to secure written pre-approval will result in denial of claim. For questions, contact Alera Technical Services at 864-678-1000.