

Sensor Options Guide



NX Distributed Intelligence™		Catalog Number Options (place at end of catalog string) ex: LP7-OA-35ML-20-CM48-EDU-MW-NXE	Description	Driver Requirements		Installed on SCE or 12" housing ¹	Installed on Luminaire	Warranty Coverage for Sensor-Related Parts
DAYLIGHT SENSOR	OCCUPANCY SENSOR			0-10V Dimming	Program or			
		NXE (includes SmartPORT™ and in-fixture module)"	<ul style="list-style-type: none"> • NX Enabled, Dual SmartPorts • On/Off control and/or two channel dimming • Dual RJ45 ports for CAT5 daisy-chain connections" 	X	X		LCV, LCVRL, LP7	5 Year
		NXWE (includes radio module and in-fixture module)"	<ul style="list-style-type: none"> • NX Wireless Enabled WITH Dual SmartPorts • On/Off control and/or two channel dimming • Provide HubbNET™ wireless network communication" 	X	X		LCV, LCVRL, LP7	5 Year
		NXWD (includes radio module, SmartPORT™, and in-fixture module)	<ul style="list-style-type: none"> • NX Wireless Enabled • On/Off control and/or two channel dimming • Provide HubbNET™ wireless network communication with Dual RJ45 ports" 	X	X		LCV, LCVRL, LP7	5 Year
X	X	NXES (includes SmartPORT™, sensor, and in-fixture module)	<ul style="list-style-type: none"> • NX Enabled, Dual SmartPorts, PIR Occupancy Sensor, Dimming Daylight Harvestsing • Sensor coverage is 1:1 (mounting height : coverage radius) up to 14 ft., min 8 ft. • Dual RJ45 ports for CAT5 daisy-chain connections" 	X	X	LCV, LCVRL	LP7	5 Year
X	X	NXS (includes sensor, and in-fixture module)"	<ul style="list-style-type: none"> • NX Enabled, PIR Occupancy Sensor, Dimming Daylight Harvestsing (standalone) • Sensor coverage is 1:1 (mounting height : coverage radius) up to 14 ft., min 8 ft. • Out-of-the-box operation to meet code and simplify installation" 	X	X	LCV, LCVRL	LP7	5 Year
X	X	NXSW (includes radio module, sensor, and in-fixture module)"	<ul style="list-style-type: none"> • NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvestsing • Sensor coverage is 1:1 (mounting height : coverage radius) up to 14 ft., min 8 ft. • Provide HubbNET™ wireless network communication" 	X	X	LCV, LCVRL	LP7	5 Year
X	X	NXSWD (includes radio module, SmartPORT™, sensor, and in-fixture module)	<ul style="list-style-type: none"> • NX Wireless with Dual SmartPorts, PIR Occupancy Sensor, Dimming Daylight Harvestsing • Sensor coverage is 1:1 (mounting height : coverage radius) up to 14 ft., min 8 ft. • Provide HubbNET™ wireless network communication with Dual RJ45 ports" 	X	X	LCV, LCVRL	LP7	5 Year

NX Distributed Intelligence™ Options only available with single fixtures; contact factory for row configurations.

LUTRON		Catalog Number Options (place at end of catalog string) ex: CV-28-1T5-CM48-EDULUTES-MW-DSL	Description	Ballast Requirement	Installed on SCE or 12" housing	Installed on Luminaire	Warranty Coverage for Sensor-Related Parts
DAYLIGHT SENSOR	OCCUPANCY SENSOR						
X		DSL (includes sensor)	<ul style="list-style-type: none"> • Ecosystem daylight sensor, open loop • Daylight sensor is wired to one EC5 EcoSystem digital dimming ballast • Sensor can be programmed to control multiple ballasts 	Lutron EcoSystem EC5 Digital Dimming		CV, CVRL, CVRB, CVL, PLK, CVSL/ CVPL	1 Year

Specify quantity before nomenclature if greater than one. (ex: **CVL-48-2T8-20/80-CM48-LD-EDULUTES-MW-DSL**)

PHILIPS		Catalog Number Options (place at end of catalog string) ex: CV-28-1T5-PERF-CM48-EDUMK7-MW-DSPL	Description	Ballast/Driver Requirements		Installed on SCE or 12" housing	Installed on Luminaire	Warranty Coverage for Sensor-Related Parts
DAYLIGHT SENSOR	OCCUPANCY SENSOR			0-10V Dimming	Program or Fixed Output			
X	X	ODP (includes sensor)	<ul style="list-style-type: none"> • 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, LCVRL	LP7	5 Year

Specify quantity before nomenclature if greater than one. (ex: **PLK-84-3T8-CM48-WCB-EDUMK7-MW-2DSPL**)
ODP sensor can control up to 10 drivers.

Specify quantity before nomenclature if greater than one. (ex: **CVRL-20-2T8-CM48-EPU-MW-DC-SCE-20SW26**).

All Wattstopper options shown are field programmable upon installation.

¹Longer 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.



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WATTSTOPPER		Catalog Number Options (place at end of catalog string) ex: CV-28-1T5-PERF-CM48-EDUMK7-MW-DSPL	Description	Ballast/Driver Requirements		Installed on SCE or 12" housing ¹	Installed on Luminaire	Warranty Coverage for Sensor-Related Parts
DAYLIGHT SENSOR	OCCUPANCY SENSOR			0-10V Dimming	Program or Fixed Output			
	X	OW1 (includes sensor, lens, and one power pack per sensor)	<ul style="list-style-type: none"> Low voltage, passive infrared (PIR) occupancy sensor Lens has 15' diameter coverage at 8' mounting height 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	LP7, PLK	1 Year
	X	OW26 (includes sensor, lens, and one power pack per sensor)	<ul style="list-style-type: none"> Low voltage, Passive infrared (PIR) occupancy sensor Lens has 20' diameter coverage at 8' mounting height 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	PLK	5 Year
	X	OW22 (includes sensor, lens, and one power pack per sensor)	<ul style="list-style-type: none"> Low voltage, Passive infrared (PIR) occupancy sensor Lens has 48' diameter coverage at 8' mounting height 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	LP7, PLK	5 Year
	X	OW23 (includes sensor, lens, and one power pack per sensor)	<ul style="list-style-type: none"> Low voltage, Passive infrared (PIR) occupancy sensor Lens has 40' diameter coverage at 20' mounting height 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	PLK	5 Year
	X	OW24 (includes sensor, lens, and one power pack per sensor)	<ul style="list-style-type: none"> Low voltage, Passive infrared (PIR) occupancy sensor Lens has 60' diameter coverage at 40' mounting height 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	PLK	5 Year
	X	OW42 (includes sensor, lens)	<ul style="list-style-type: none"> Line voltage, Passive infrared (PIR) occupancy sensor Lens has 48' diameter coverage at 8' mounting height Power pack is not supplied. Only the sensor is integral to the luminaire 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	LP7, PLK	5 Year
	X	OW43 (includes sensor, lens)	<ul style="list-style-type: none"> 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	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	PLK	5 Year
	X	OW44 (includes sensor, lens)	<ul style="list-style-type: none"> Line voltage, Passive infrared (PIR) occupancy sensor Lens has 60' diameter coverage at 40' mounting height Power pack is not supplied. Only the sensor is integral to the luminaire 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	PLK	5 Year
	X	OW46 (includes sensor, lens)	<ul style="list-style-type: none"> Line voltage, Passive infrared (PIR) occupancy sensor Lens has 20' diameter coverage at 8' mounting height Power pack is not supplied. Only the sensor is integral to the luminaire 	X	X	LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	PLK	5 Year
X		DW (includes sensor, power pack)	<ul style="list-style-type: none"> Low voltage, daylight dimming sensor, closed loop (reads daylight and electric light) Requires one remote control setup tool per project 	X		LCV, CV, CPLS, LCVRL, CVRL, CVRB, CVRPB, CVL, CVSL, CVPL	LP7, PLK	5 Year

Lutron



Lutron EcoSystem DSL on an Alera CVRL

Wattstopper



Wattstopper OW1/DW on an Alera SCE

Wattstopper



WattStopper OW22/23/24/26/42/43/44/46 on an Alera SCE

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 manufacturers 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.