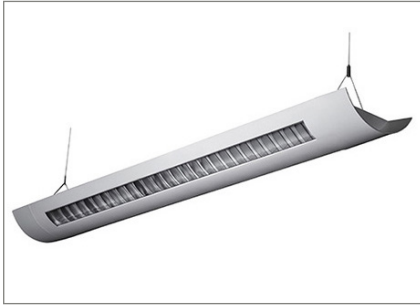


# SIODL LED

Project Name:	
Type:	



**APPLICATION**

Architectural indoor, direct/indirect suspended light for LED system and fluorescent lamps. Reflected from the ceiling it creates soft and diffused lighting that ensures maximum visual comfort and balanced shadows. It can be installed individually or in a continuous line. Use for general office, banking, retail and educational environments.

**FEATURES:**

- Die formed 20 gauge cold-rolled steel housing. Flat steel end plate standard. Powder coated for a long life finish. White finish is standard. Die cast aluminum spade end cap optional.
- 2', 3', 4', 8' and 12' individual fixture sections for nominal suspension spacing of 2', 3', 4', 8' and 12'. Using 2', 3', 4', 8' and 12' sections can be joined to form longer length fixtures.
- Semi-specular aluminum louvers (AL) (standard), white painted steel baffle (WBL), Optional Opal White Diffuser (OP) overlay.
- Die-formed high-reflective white reflector is standard. Optional anodized specular aluminum reflector.
- Uplight and down light distribution.
- Textured matte white polyester powder paint.

**MOUNTING:**

- Provided with a standard 48" length aircraft cable mount kit for suspended mounting.

**LED:**

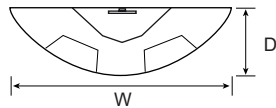
- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 82.8
- Calculated L70: 122,000 hours
- Reported L70: >54,000 hours

**ELECTRICAL:**

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- 0-10V dimmable driver as standard, 1%~100%.
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

**LISTING:**

- UL/CUL listed.
- Listed to UL 1598 and UL 8750.
- TITLE 24 Compliant.
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- ARRA compliant. (optional)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) <sup>5</sup>
- Bluetooth Mesh System available, please contact factory for more information.



All dimensions are in inches (millimeters).

*Specifications: SIODL 2', 3', 4', 8', 12'*

Length: 24, 36, 48, 96, 144  
(609 / 914 / 1220 / 2439 / 3657)  
Width: 9 (229)  
Depth: 3 (76)  
Weight:  
SIODL-R4: 16.09 lbs (7.3 kg)  
SIODL-R8: 26.87 lbs (12.19 kg)  
SIODL-R12: 38.23 lbs (17.34 kg)

**CONFIGURATIONS**

	Model #	Input Watts	Lumen Output
2FT	30L	28.3W	1953 lm
	36L	34.3W	2366 lm
	40L	38.8W	2677 lm
3FT	45L	42.5W	2929 lm
	54L	51.5W	3549 lm
	60L	58.2W	4015 lm
4FT	46L	46W	3000 lm
	60L	56.7W	3906 lm
	72L	68.7W	4733 lm
	81L	77.7W	5354 lm
8FT	120L	116.7W	8038 lm
	144L	140.7W	9691 lm
	162L	158.7W	10931 lm
12FT	180L	176.7W	12171 lm
	216L	212.7W	14650 lm
	243L	239.7W	16510 lm

Zone	Lumens	% of Luminaire
0-40	183	3.4%
0-60	383	7.1%
0-90	683	12.8%
90-180	4672	87.2%

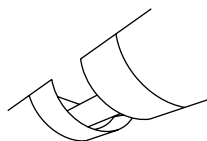
# SIODL LED



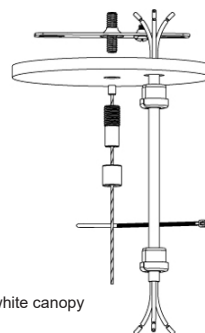
[ Standard ]



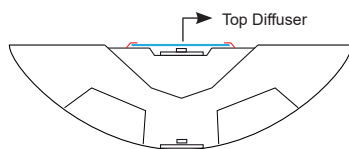
[ SPE option ]



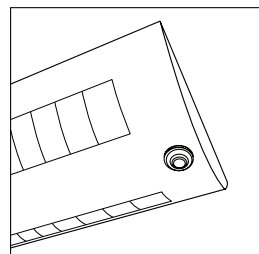
[ BSC option ]



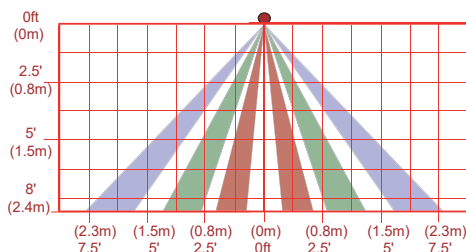
5" white canopy



[ Top Diffuser Drawing ]



MS - Integrated Occupancy Sensor with Hold-Off Daylighting



AMS coverage pattern (side view)

\* The coverage shown in the diagram is maximum. AMS is designed to detect small motion when mounted within 6' occupants.

ORDERING INFORMATION

EXAMPLE: SIODL-4-60L-40K-UNV-X1-AC48


MODEL	ROW		SECTION <sup>1</sup>		LED		COLOR TEMP.		LOUVER		TOP DIFFUSER							
					30L	36L	40L	45L	54L	60L	-30K	3000K	AL	White Blade	(Blank)	None		
SIODL	xx	Increments Total Row Lengths	R2	2' Length	30L	30W LED (976 lm/ft)	-30K	3000K	AL	Semi Specular (Std.)	(Blank)	None						
					36L	36W LED (1183 lm/ft)												
			R3	3' Length	40L	40W LED (1338 lm/ft)							-35K	3500K	WBL	White Blade	PA	Prismatic Acrylic
					45L	45W LED (976 lm/ft)							-40K	4000K				
					54L	54W LED (1183 lm/ft)							-50K	5000K				
R4	4' Length	60L	60W LED (1338 lm/ft)															
		46L	46W LED (750 lm/ft)															
R8	8' Length		60L	60W LED (976 lm/ft)														
			72L	72W LED (1183 lm/ft)														
			81L	81W LED (1338 lm/ft)														
R12	12' Length		120L	120W LED (976 lm/ft)														
			144L	144W LED (1183 lm/ft)														
			162L	162W LED (1338 lm/ft)														
			180L	180W LED (976 lm/ft)														
			216L	216W LED (1183 lm/ft)														
			243L	243W LED (1338 lm/ft)														


\* Number of circuit(s) should be determined by the customer prior to ordering the continuous run considering the AC input voltage and total run wattage.

\* Contact factory for custom wattage or lumen requirement.  
\* Contact factory for custom up/down light distribution.

# SIODL LED

VOLTAGE		EM SECTION <sup>2</sup>		FIXTURE FINISH		CORD FINISH (for pendant)		CANOPY FINISH (for pendant)	
<b>UNV</b>	120-277V (Std.)	<b>(Blank)</b>	None EM	<b>(Blank)</b>	Matte White RAL #9003 (Std.)	<b>(Blank)</b>	White (Std.)	<b>(Blank)</b>	White (Std.)
<b>120</b>	120V	<b>1SE</b>	1 Section	<b>*SV</b>	Silver RAL #9022	<b>*BKC</b>	Black	<b>*BC</b>	Black Canopy
<b>277</b>	277V	<b>2SE</b>	2 Section	<b>*BK</b>	Black RAL #9011			<b>*SC</b>	Silver Canopy
<b>347</b>	347V <sup>13</sup>	<b>xSE</b>	x Section	<b>**CC</b>	Custom Color			<b>**CSS</b>	Custom Canopy Color (White is Std.)
				<b>*AMB</b>	Anti-Microbial Coating (Matte Skye White)				
						* Non-standard finish with extra charge. ** Additional charge & set up fee.			

LED DRIVER		OPTIONS	
<b>(Blank)</b>	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	<b>EMG8</b>	1296 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>
<b>SD50</b>	Bi-Level Step dim 50/100 <sup>3,4</sup>	<b>EMG15</b>	2430 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>
<b>TDM</b>	Triac Dim. (120V only)	<b>EMG20</b>	3240 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>
<b>ES566</b>	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	<b>ELCU-200</b>	Fail-to-on Emergency lighting, L924 <sup>9</sup>
<b>EC</b>	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	<b>OP</b>	Optional White Overlay on Louver
<b>LDE1</b>	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim	<b>SPE</b>	Spade End Cap
<b>ELV</b>	ELV compatible (reverse-phase or trailing-edge)	<b>BSC</b>	Non-lit Continuous Coupler
<b>PHSR</b>	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	<b>ARRA</b>	ARRA Compliant
<b>PHDL</b>	Philips Xitanium DALI driver, Dim to 5%	<b>BSC</b>	Straight Connector
<b>TRIOT</b>	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface	<b>GTD</b>	Bodine Generator Transfer Device
<b>DIMT</b>	Tri-mode dimming (Triac, ELV, 0-10V)	<b>GTD10DIM</b>	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
<b>LTEA2W</b>	Hi-lume 1% 2-wire LED driver (120V forward phase only)	<b>AMS</b>	Occupancy Sensor w/ Daylight Harvesting <sup>6,7</sup>
		<b>DPMS</b>	Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required) <sup>6,15</sup>
 <b>BLT</b>	Bluetooth Mesh System (contact factory for more information)	<b>SO</b>	Dimming Wires connected to Sensor Only <sup>8</sup>
		<b>LSR-301-S</b>	Setup Remote Control for DPMS (Required for DPMS)
		<b>LSR-301-P</b>	Occupant Remote Control for DPMS
		<b>O7W</b>	Optional 7 Years Limited Warranty <sup>5</sup>
		<b>O10W</b>	Optional 10 Years Limited Warranty <sup>5</sup>
		<b>COC</b>	Separated EM feed for City of Chicago code compliance

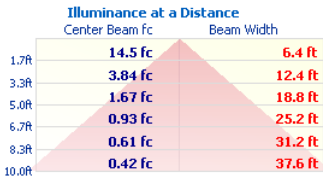
CEILING TYPE (for pendant)		SUSPENSION LENGTH (for pendant)		LIGHTING CONTROL SYSTEM	
<b>X1</b>	15/16" grid T-bar ceiling	<b>AC48</b>	Adjustable Aircraft Cable Canopy 48"L	<b>LUTRON VIVE</b>	<Lutron Vive System Enabled>
<b>X2</b>	Hard ceiling	<b>AC96</b>	Adjustable Aircraft Cable Canopy 96"L		 <a href="#">Click Here!</a>
<b>X3</b>	Sloped Hard ceiling	<b>AC120</b>	Adjustable Aircraft Cable Canopy 120"L		<Enlighted>
<b>X4</b>	9/16" T-bar ceiling	<b>AC150</b>	Adjustable Aircraft Cable Canopy 150"L		<b>SU-5E-IOt</b>
			* Contact factory for custom length. 1 pair (2 aircraft cables) standard for up to 8' length.	<b>SU-5E-CL</b>	Enlighted IoT-Ready Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled <sup>10,14</sup>
				<b>RS-WS</b>	Enlighted Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled (Connected lighting sensor only)
				<b>SNS200C</b>	Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability
				<b>RS-IR</b>	<EasySense>
					EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) <sup>11,12</sup>
					IR dongle for EasySense control

NOTES:

- No need to select, if same as row length and section length.
- EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified. Must specify voltage, not available with 347V. Contact factory for other emergency ballast options.
- Contact factory for custom wattage or lumen requirement.
- Lumens and watts per foot may differ for STEP drivers, consult factory.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- AMS and DPMS will be controlled by the dimming.
- The standard will be ON/OFF sensor with dimming wires provided for dimmer switch. For sensor dimming control, please select additional "SO" option.
- Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
- Shipped separately.
- "RS-WS" option can be added if wish to have a wall switch, please see Enlighted Room Controller in the separate attachment.
- See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
- Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
- 347V cannot work with Emergency Battery Backup.
- Must be ordered either with 0-10V LED driver or TRIOT (IoT-Ready LED driver).
- Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.

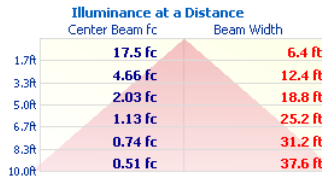
# SIODL LED

**SIODL-2-30L-UNV**



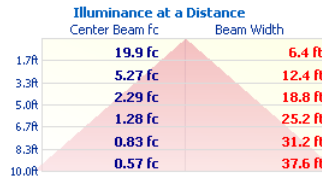
■ Horiz. Spread: 124.0°

**SIODL-2-36L-UNV**



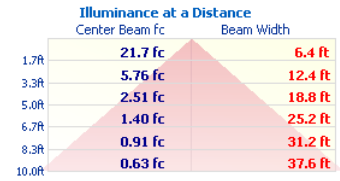
■ Horiz. Spread: 124.0°

**SIODL-2-40L-UNV**



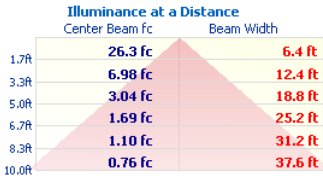
■ Horiz. Spread: 124.0°

**SIODL-3-45L-UNV**



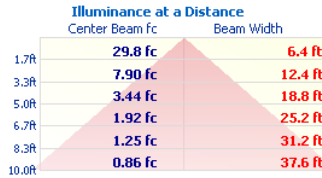
■ Horiz. Spread: 124.0°

**SIODL-3-54L-UNV**



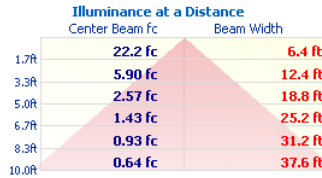
■ Horiz. Spread: 124.0°

**SIODL-3-60L-UNV**



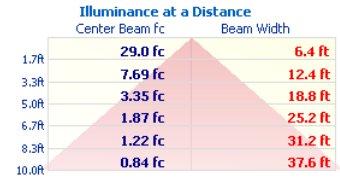
■ Horiz. Spread: 124.0°

**SIODL-4-46L-UNV**



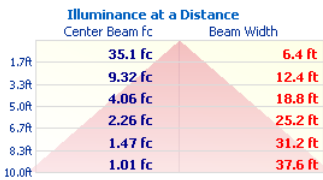
■ Horiz. Spread: 124.0°

**SIODL-4-60L-UNV**



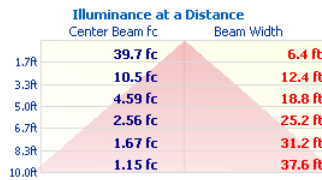
■ Horiz. Spread: 124.0°

**SIODL-4-72L-UNV**



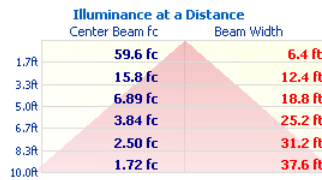
■ Horiz. Spread: 124.0°

**SIODL-4-81L-UNV**



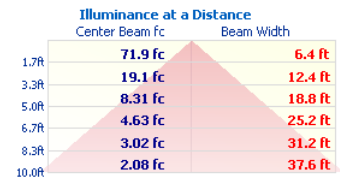
■ Horiz. Spread: 124.0°

**SIODL-8-120L-UNV**



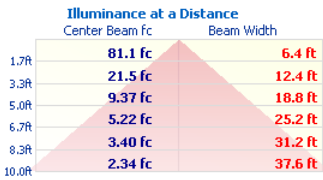
■ Horiz. Spread: 124.0°

**SIODL-8-144L-UNV**



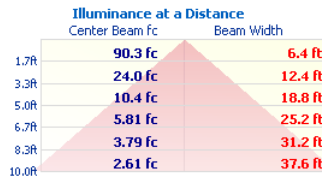
■ Horiz. Spread: 124.0°

**SIODL-8-162L-UNV**



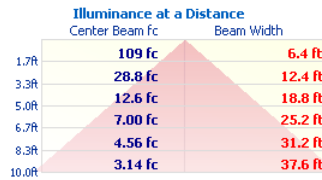
■ Horiz. Spread: 124.0°

**SIODL-12-180L-UNV**



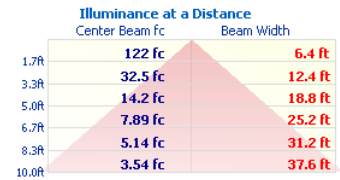
■ Horiz. Spread: 124.0°

**SIODL-12-216L-UNV**



■ Horiz. Spread: 124.0°

**SIODL-12-243L-UNV**



■ Horiz. Spread: 124.0°

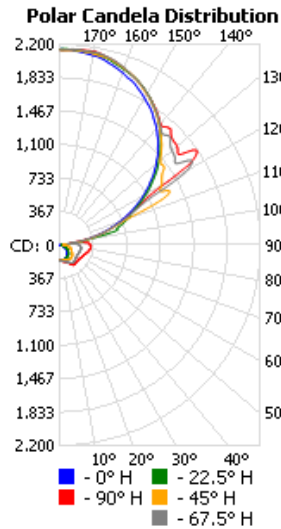
**OPTIONS**

**CEILING TYPE**

**SUSPENSION LENGTH**

OPTIONS		CEILING TYPE	SUSPENSION LENGTH
<b>EMG8</b>	8W EM Battery Backup (CEC Compliant EM) <sup>2</sup>	<b>X1</b> 15/16" grid <b>X2</b> T-bar ceiling <b>X3</b> Hard ceiling <b>X4</b> Sloped Hard ceiling <b>X5</b> 9/16" T-bar ceiling	<b>AC48</b> Adjustable Aircraft Cable Canopy 48"L <b>AC96</b> Adjustable Aircraft Cable Canopy 96"L <b>AC120</b> Adjustable Aircraft Cable Canopy 120"L <b>AC150</b> Adjustable Aircraft Cable Canopy 150"L
<b>EMG15</b>	15W EM Battery Backup (CEC Compliant EM) <sup>2</sup>		
<b>EMG20</b>	20W EM Battery Backup (CEC Compliant EM) <sup>2</sup>		
<b>ELCU-200</b>	Fail-to-on Emergency lighting, L924 <sup>9</sup>		
<b>OP</b>	Optional White Overlay on Louver		
<b>SPE</b>	Spade End Cap		
<b>BSC</b>	Non-lit Continuous Coupler		
<b>ARRA</b>	ARRA Compliant		
<b>BSC</b>	Straight Connector		
<b>GTD</b>	Bodine Generator Transfer Device		
<b>GTD10DIM</b>	Bodine Generator Transfer Device (0-10VDC Dimmer Override)		
<b>AMS</b>	Occupancy Sensor w/ Daylight Harvesting <sup>6,7</sup>		
<b>DPMS</b>	Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required) <sup>6,15</sup>		
<b>SO</b>	Dimming Wires connected to Sensor Only <sup>8</sup>		
<b>LSR-301-S</b>	Setup Remote Control for DPMS (Required for DPMS)		
<b>LSR-301-P</b>	Occupant Remote Control for DPMS		
<b>O7W</b>	Optional 7 Years Limited Warranty <sup>5</sup>		
<b>O10W</b>	Optional 10 Years Limited Warranty <sup>5</sup>		
<b>COC</b>	Separated EM feed for City of Chicago code compliance		

# SIODL LED



Street Side (Down)	6.4%
House Side (Down)	6.4%
<b>Total (Down)</b>	<b>12.8%</b>
Street Side (Up)	43.6%
House Side (Up)	43.6%
<b>Total (Up)</b>	<b>87.2%</b>
<b>Total</b>	<b>100%</b>

**COMPATIBLE DIMMER SWITCH (TABLE 1)**

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IlumaTech IP7 series
		<Lutron>	Visit <a href="http://www.lutron.com/advance">www.lutron.com/advance</a> for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IlumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTv-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX		
LDE1	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO 1,2 Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR 3	Philips Xitanium Sensor-Ready	<Ilumra>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Ilumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> Ilumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Maestro MA-600 (Digital)
ELV	ERP	<Lutron>	Nova-NFTV, Diva-DVTV
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit <a href="http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf">http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf</a> for a list of compatible dimmer switches.

**NOTES:**

- All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at [www.lutron.com](http://www.lutron.com).
- For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.
- Recommended for EasySense System.

# SIODL LED

All dimensions are in inches (millimeters).

