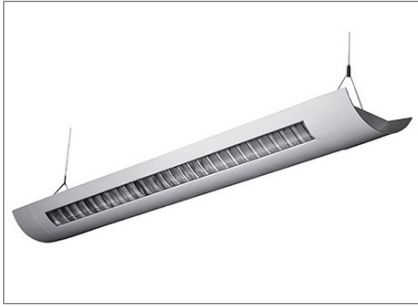


SIODL LED

8', 12' (DISCONTINUED)

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' and 4' individual fixture sections for nominal suspension spacing of 2', 3' and 4'. Using 2', 3' and 4' 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:

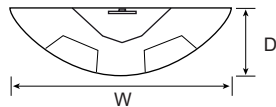
- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 82.8
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours

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).
- BAA compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ⁵
- Bluetooth Mesh System available, please contact factory for more information.



All dimensions are in inches (millimeters).

Specifications: SIODL 2', 3', 4'

Length: 24, 36, 48
(609 / 914 / 1220)
Width: 9 (229)
Depth: 3 (76)
Weight:
SIODL-R4: 16.09 lbs (7.3 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

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

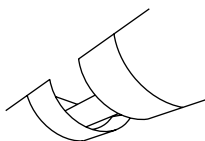
SIODL LED



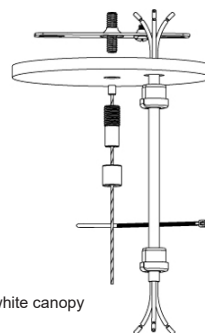
[Standard]



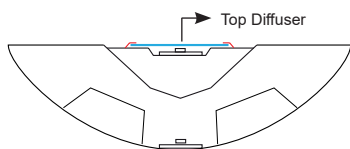
[SPE option]



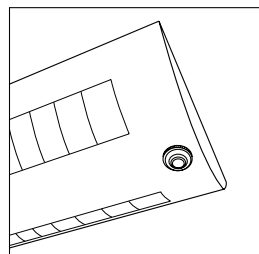
[BSC option]



5" white canopy

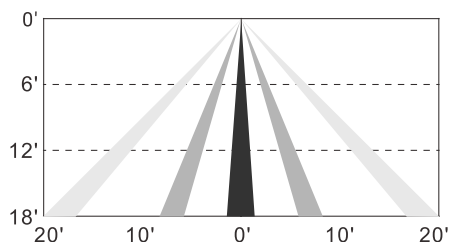


[Top Diffuser Drawing]

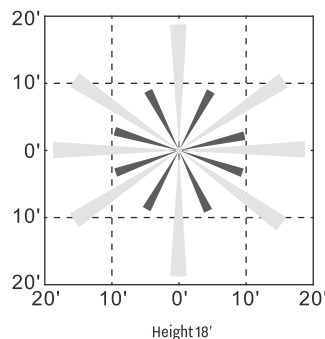


MS - Integrated Occupancy Sensor with Hold-Off Daylighting

SIDE VIEW



TOP VIEW



AMS, IFS105SE coverage pattern

ORDERING INFORMATION

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


MODEL	ROW		SECTION ¹		LED		COLOR TEMP.		LOUVER		TOP DIFFUSER								
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)	-35K	3500K											
					40L	40W LED (1338 lm/ft)	-40K	4000K											
			R3	3' Length		45L	45W LED (976 lm/ft)	-50K					5000K	WBL	White Blade	PA	Prismatic Acrylic		
						54L	54W LED (1183 lm/ft)												
						60L	60W LED (1338 lm/ft)												
			R4	4' Length		46L	46W LED (750 lm/ft)											CA	Clear Acrylic
						60L	60W LED (976 lm/ft)												
						72L	72W LED (1183 lm/ft)												
		81L	81W LED (1338 lm/ft)																


¹ 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 ²		FIXTURE FINISH		CORD FINISH (for pendant)		CANOPY FINISH (for pendant)	
UNV	120-277V (Std.)	(Blank)	None EM	(Blank)	Matte White RAL #9003 (Std.)	(Blank)	White (Std.)	(Blank)	White (Std.)
120	120V	1SE	1 Section	*SV	Silver RAL #9022	*BKC	Black	*BC	Black Canopy
277	277V	2SE	2 Section	*BK	Black RAL #9011			*SC	Silver Canopy
347	347V ¹²	xSE	x Section	**CC	Custom Color			**CSS	Custom Canopy Color (White is Std.)
				*AMB	Anti-Microbial Coating (Matte Skye White)				
						* Non-standard finish with extra charge. ** Additional charge & set up fee.			

LED DRIVER		OPTIONS	
(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) ²
SD50	Bi-Level Step dim 50/100 ^{3,4}	EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) ²
TDM	Triac Dim. (120V only)	EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) ²
ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) ²
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	ELCU-200	Fail-to-on Emergency lighting, L924 ⁸
LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim	OP	Optional White Overlay on Louver
ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)	SPE	Spade End Cap
PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	BSC	Non-lit Continuous Coupler
PHDL	Philips Xitanium DALI driver, Dim to 5%	ARRA	ARRA Compliant
TRIO1	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface	BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant
LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)	BSC	Straight Connector
		GTD	Bodine Generator Transfer Device
		GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
 BLT	Bluetooth Mesh System (contact factory for more information)	AMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming ⁵
		DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) ^{6, 14}
		SO	Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) ⁷
		LSR-301-S	Setup Remote Control for DPMS (Required for DPMS)
		LSR-301-P	Occupant Remote Control for DPMS
		O7W	Optional 7 Years Limited Warranty ⁵
		O10W	Optional 10 Years Limited Warranty ⁵
		COC	Separated EM feed for City of Chicago code compliance

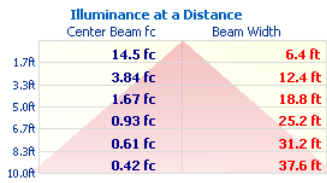
CEILING TYPE (for pendant)		SUSPENSION LENGTH (for pendant)		LIGHTING CONTROL SYSTEM	
X1	15/16" grid T-bar ceiling	AC48	Adjustable Aircraft Cable Canopy 48"L	LUTRON VIVE	<Lutron Vive System Enabled>  Click Here! <Enlighted> Enlighted IoT-Ready Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled ^{9, 13} <SU-5E-IO-T> 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) <SU-5E-CL> Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability <RS-WS> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{10, 11} IR dongle for EasySense control <EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{10, 11} IR dongle for EasySense control <Bluetooth> Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming Bluetooth Powerpack (Consult factory for installation location)
X2	Hard ceiling	AC96	Adjustable Aircraft Cable Canopy 96"L		
X3	Sloped Hard ceiling	AC120	Adjustable Aircraft Cable Canopy 120"L		
X4	9/16" T-bar ceiling	AC150	Adjustable Aircraft Cable Canopy 150"L		
			* Contact factory for custom length. 1 pair (2 aircraft cables) standard for up to 8' length.		

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.
- 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 TRIO1 (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.

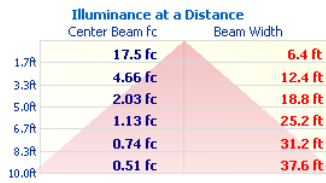
SIODL LED

SIODL-2-30L-UNV



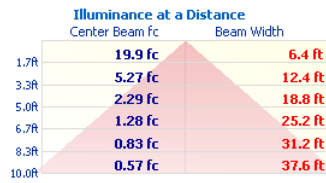
■ Horiz. Spread: 124.0°

SIODL-2-36L-UNV



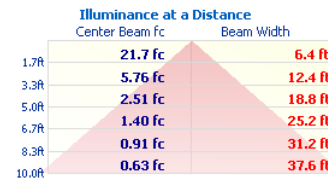
■ Horiz. Spread: 124.0°

SIODL-2-40L-UNV



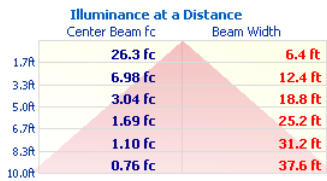
■ Horiz. Spread: 124.0°

SIODL-3-45L-UNV



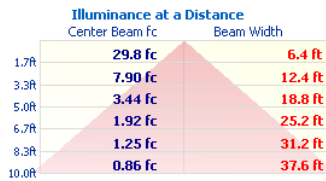
■ Horiz. Spread: 124.0°

SIODL-3-54L-UNV



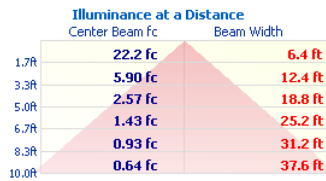
■ Horiz. Spread: 124.0°

SIODL-3-60L-UNV



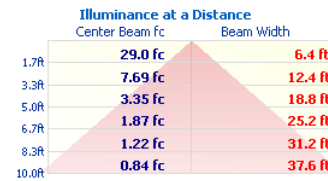
■ Horiz. Spread: 124.0°

SIODL-4-46L-UNV



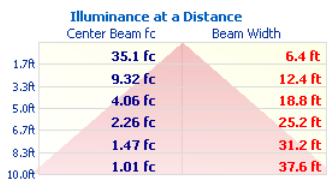
■ Horiz. Spread: 124.0°

SIODL-4-60L-UNV



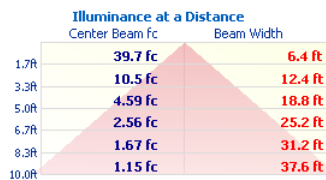
■ Horiz. Spread: 124.0°

SIODL-4-72L-UNV



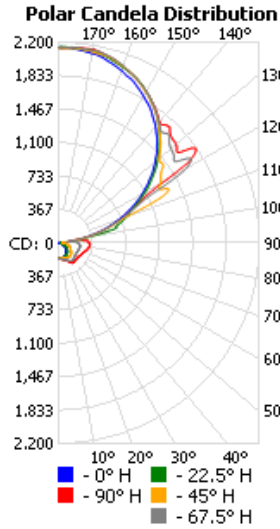
■ Horiz. Spread: 124.0°

SIODL-4-81L-UNV



■ Horiz. Spread: 124.0°

SIODL LED



Street Side (Down)	6.4%
House Side (Down)	6.4%
Total (Down)	12.8%
Street Side (Up)	43.6%
House Side (Up)	43.6%
Total (Up)	87.2%
Total	100%

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IlumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance 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, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IlumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

NOTES:

1. 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.
2. 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.
3. Recommended for EasySense System.

SIODL LED

All dimensions are in inches (millimeters).

