SDI LED

Project Name:	
Type:	

APPLICATION

This attractive surface fixture with a symmetric center basket provides soft ambient in direct and indirect lighting. High performance Direct and Indirect lighting fixture reduce shadows and glare by combining aesthetically pleasing reflected lights. It is an excellent choice for modern office environments, classrooms, hospitals and retail spaces.

FEATURES:

- White powder coated center basket and reflector. Slope side softly reflect light back downwards.
- Smooth edges for easy handling.
- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- Reflectors were finished in texture matte white powder coated paint for uniform light distribution and over rust inhibiting phosphate coating for maximum corrosion resistance.
- Paint after fabrication.

SHIELDING:

- Available in frosted acrylic ribbed diffuser or white metal round holes (perforation) with white acrylic overlay.
- For higher lumen requirement, use DF2.
- Toolless.

MOUNTING:

- Surface, stem or suspended mount.
- Compatible with most ceiling types.

LED:

- Color Temperature: 2700/3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 162 LPW.
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours
- Poke in wire connectors.
- LM80.

ELECTRICAL:

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic : 0-10V 10% dim. (GR)
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature: -4°F (-20°C) ~ 122°F (50°C).
- Constant Current, Class 2

- <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.
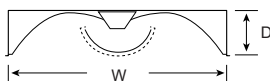- UL listed for use in emergency circuits.

LISTING:

- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- 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) [2]
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Catalog No. #	Input Watts	Lumen Output (DF1)	Lumen Output (DF2)	Lumen Efficiency (DF1/DF2)	Equivalent
SDI-14-36L/50-UNV-DM	39.6W	2752 lm	3124 lm	69.5 lm/W / 78.9 lm/W	2L 32W T8
SDI-14-44L/50-UNV-DM	48.4W	2899 lm	3818.7 lm	59.9 lm/W / 78.9 lm/W	2L 32W T8
SDI-22-27L/50-UNV-DM	29.7W	2390.8 lm	3507.5 lm	80.5 lm/W / 118.1 lm/W	3L 17W T8
SDI-22-36L/50-UNV-DM	39.6W	3187.8 lm	4676.7 lm	80.5 lm/W / 118.1 lm/W	2L 32W T8
SDI-22-44L/50-UNV-DM	48.4W	3896.2 lm	5716 lm	80.5 lm/W / 118.1 lm/W	2L 32W T8
SDI-22-54L/50-UNV-DM	59.4W	4781.7 lm	7015 lm	80.5 lm/W / 118.1 lm/W	3L 32W T8
SDI-24-44L/50-UNV-DM	48.4W	4617 lm	6267.8 lm	95.4 lm/W / 129.5 lm/W	2L 32W T8
SDI-24-54L/50-UNV-DM	59.4W	5666.7 lm	7692 lm	95.4 lm/W / 129.5 lm/W	3L 32W T8
SDI-24-68L/50-UNV-DM	74.8W	7136 lm	9686.6 lm	95.4 lm/W / 129.5 lm/W	4L 32W T8

OUTPUT CURRENT

		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

Specifications: 1'x4'
Length: 49 (1244)
Width: 12 (304)
Depth: 5-1/2 (140)
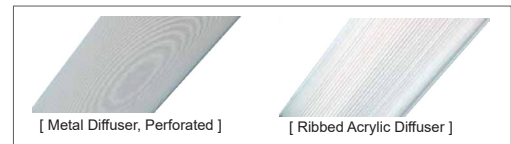Weight: 21.89 lbs (9.93 kg)

Specifications: 2'x2'
Length: 25 (634)
Width: 24 (609)
Depth: 5-1/2 (140)
Weight: 21.01 lbs (9.53 kg)

Specifications: 2'x4'
Length: 49 (1244)
Width: 24 (609)
Depth: 5-1/2 (140)
Weight: 28.51 lbs (12.93 kg)

All dimensions are in inches (millimeters).

[Metal Diffuser, Perforated]   [Ribbed Acrylic Diffuser]

* If you want other specific kind, please contact us.

SDI LED

ORDERING INFORMATION

EXAMPLE: *SDI-24-44L-30K-DF1-UNV-EM*

MODEL	LENGTH		LED		COLOR TEMP.		CRI		DIFFUSER TYPE		VOLTAGE	
SDI	14	1' x 4'	36L 44L	36W LED 44W LED [4]	-27K -30K -35K -40K -50K	2700K [5] 3000K 3500K 4000K 5000K	(Blank) C9	80+ CRI 90+ CRI [6]	DF1 DF2 DF2H	Metal Diffuser, Perforated (Std.) Ribbed Acrylic [11] Impact resistant Ribbed Acrylic Diffuser [11]	UNV 120 277 347	120-277V (Std.) 120V 277V 347V
	22	2' x 2'	27L 36L 44L 54L	27W LED 36W LED 44W LED [4] 54W LED								
	24	2' x 4'	44L 54L 68L	44W LED [4] 54W LED 68W LED [4]								
			* Contact factory for custom wattage or lumen requirement.									

	LED DRIVER		OPTIONS
GR	Generic, 0-10V 10% dim (Std.) [3]	EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [1, 9]
DM1	Generic 0-10V 1% dim	EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [1, 9]
PH	Philips Xitanium, 0-10V 1% dim [3]	EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [1, 9]
OS	Osram Optotronic, 0-10V 10% dim [3]	EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [1, 9]
OS1	Osram Optotronic, 0-10V 1% dim [3]	ELCU-200	Fail-to-on Emergency lighting, UL924 [7]
SD40	40% / 100% Bi-Level Step dim (PH only)	GTD	Bodine Generator Transfer Device
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only)	GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
TDM	Triac Dim. (120V only)	DPL	Dust/Bug Proof Clear Acrylic Lens
TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)	ARRA	Assembled in USA for Buy American Act
TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)	BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant
ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	AMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control) [10]
LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim	LSR-301-S	Setup Remote Control for DPMS
ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)	LSR-301-P	Occupant Remote Control for DPMS
PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	O7W	Optional 7 Years Limited Warranty [2]
PHDL	Philips Xitanium DALI driver, Dim to 5%	O10W	Optional 10 Years Limited Warranty [2]
ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%	AMB	Anti-Microbial Coating (Matte Skye White)
DMX	DMX512 control system (Only available with RGB+W option)		
DLM	Wattstopper's DLM interface (Only available with RGB+W option)		
LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)		
✦ BLT	Bluetooth Mesh System (contact factory for more information)		

	LIGHTING CONTROL SYSTEM
LUTRON VIVE	<Lutron Vive System Enabled> Vive by LUTRON ☀ **Click Here!**
SNS200C RS-IR	<EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [8] IR dongle for EasySense control
IFS105SE PPA102S	<Bluetooth> Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming Bluetooth Powerpack (Consult factory for installation location)

NOTES:
1. Contact factory for other emergency ballast options.
2. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
3. To find an approved dimmer switch, please see table 1.
4. Not available with GR driver.
5. Available with C9 only.
6. Lumen per watt is around 15% less than standard CRI (80+).
7. Shipped separately.
8. Please see Compatible Phone list in the separate attachment. If not listed, please order "RS-IR", and follow IR-Dongle user guide and NFC and IR app user's manual. Android users only.
9. Must specify voltage, not available with 347V.
10. Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
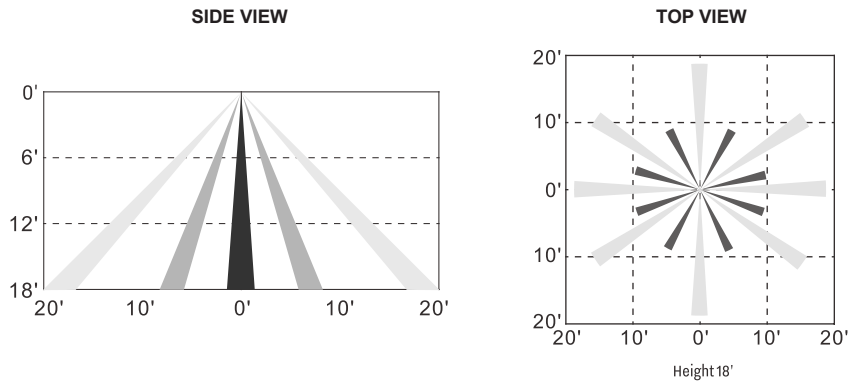11. Not available with SDI-14(1'x4').

SDI LED

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech 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>	IllumaTech - 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-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, 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-1EC0-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
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, IllumaTech 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.

SIDE VIEW   **TOP VIEW**

Height 18'

AMS, IFS105SE coverage pattern

UTOPIA LIGHTING