

SCT



APPLICATION

The SCT recessed, low profile volumetric troffer luminaire with gently sloped side panels deliver unique and modern aesthetic. Featuring a tri-panels with Unified Glare Rating (UGR) of less than 19, reducing direct glare to inhabitants. Suitable for commercial and institutional spaces including open offices, classrooms, retail, and healthcare facilities.

FEATURES:

- Die-formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- Standard steel door frame allows easy lens replacement without tool.
- Unique door frame design with tri-panel lens deliver a premium appearance. Smooth edge for easy handing.
- Door steel latches provide easy, secure closure.
- Painted parts finished with high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.
- Available for Chicago Plenum rated as an option.
- UGR<19 lens. (optional)
- Paint after fabrication.

MOUNTING:

- Recessed ceiling mount.
- Compatible with most ceiling types.
- Field installed flange kit is optional.

LED:

- High quality array LEDs.
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color rendering Index: >80 (standard), >90 optional
- 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.
- Generic : 0-10V 10% dim. (GR)
- Minimum starting 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 and labeled.
- Listed to UL 1598 and UL 8750.
- Recessed Luminaires, Type IC
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ⁴
- ARRA compliant (optional).
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- LM-79 (DLC listed products only)

CONFIGURATIONS

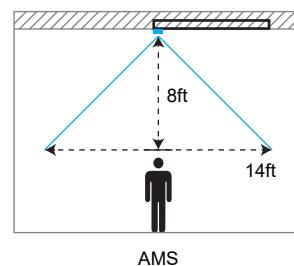
Series	Size	LED	AC Input	Lumen Output	Lumen Efficiency
SCT	1' x 4'	36LED	39.33W	4361.57 lm	110.90 lm/W
		44LED	46.71W	5584.36 lm	119.55 lm/W
		54LED	57.33W	6404.25 lm	111.71 lm/W
		72LED	78.66W	9339.55 lm	118.73 lm/W
	2' x 2'	27LED	29.76W	3172.4 lm	106.59 lm/W
		36LED	39.22W	4180.85 lm	106.59 lm/W
		44LED	46.84W	4993.14 lm	106.59 lm/W
		54LED	57.49W	6128.43 lm	106.59 lm/W
	2' x 4'	72LED	78.44W	8361.7 lm	106.59 lm/W
		36LED	39.58W	4850.41 lm	122.55 lm/W
		44LED	47.08W	5798.86 lm	123.17 lm/W
		54LED	57.79W	7134.53 lm	123.46 lm/W
	72LED	75.50W	9238.20 lm	122.36 lm/W	

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%

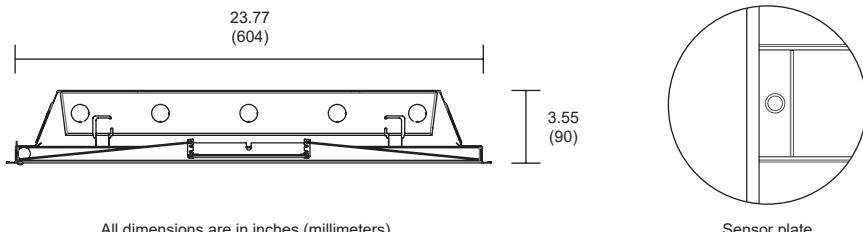
CEILING OPENING

Series	Size	Width	Length
FK	1' x 2'	12-3/8"	24-3/8"
	1' x 4'	12-3/8"	48-3/8"
	2' x 2'	24-3/8"	24-3/8"
	2' x 4'	24-3/8"	48-3/8"
FTSH	1' x 4'	12-3/16"	48-3/4"
	2' x 2'	23-15/16"	24-7/8"
	2' x 4'	24-5/8"	48-3/4"



AMS

LED RECESSED TROFFER



ORDERING INFORMATION

EXAMPLE: SCT22-36LED-40K-UNV-SD50

MODEL		LED		COLOR TEMP.		CRI		DOOR FRAME		TRIM TYPE	
SCT14	1' x 4'	27LED	27W LED	-27K	2700K ⁸	(Blank)	80+ CRI	(Blank)	Flush Steel, White	(Blank)	Grid
SCT22	2' x 2'	36LED	36W LED	-30K	3000K	C9	90+ CRI ⁹			FK	Flange ¹³
SCT24	2' x 4'	44LED	44W LED	-35K	3500K					FTSH	Flanged Trim ¹⁴
		54LED	54W LED	-40K	4000K (Std.)						
		72LED	72W LED	-50K	5000K						
				-265K	Tunable white 2000-6500K ¹⁵						
				-275K	Tunable white 2700-5000K ¹⁵						

* Contact factory for custom wattage or lumen requirement.

DIFFUSER		VOLTAGE		LED DRIVER							
FR U19	Frosted (Std.) UGR<19	UNV 120 277 347 480	120-277V 120V 277V 347V 480V ¹	GR DM1 SD40 SDXX TDM TD30/70 TDXX/YY	Generic, 0-10V 10% dim (Std.) ⁷ Generic 0-10V 1% dim 40% / 100% Bi-Level Step dim XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%) Triac Dim. (120V only) 30% / 70% / 100% Tri-Level Step dim XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)	ES566 LDE5 LDE1 ELV PHSR PHDL ED560 MU050	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim 5-Series EcoSystem LED driver, 100% ~ 5% dim Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim ELV compatible (reverse-phase or trailing-edge), (120V only) Philips Xitanium Sensor-Ready, Dali 5%~100% dim Philips Xitanium DALI driver, Dim to 5% eldoLED LightShape DALI dim to dark, 0.1% ~ 100% 0-10V dual channel, 0.1% ~ 100%				

OPTIONS				LIGHTING CONTROL SYSTEM							
EMG8	8W EM Battery Backup (CEC Compliant EM) ^{2,3}	PW6 HC403	Pre-wired 6' Whip Flex Microwave bi-level Occupancy Sensor, adjustable via DIP switch	VRF	<Lutron Vive System Enabled> Vive Integral fixture control (RF only), (Must be ordered with EcoSystem drivers or PHSR)						
EMG15	15W EM Battery Backup (CEC Compliant EM) ^{2,3}	AMS	Bluetooth Mesh Wireless Sensor.	FCJS0	Vive Attached fixture control (RF only for 0-10V drivers), (N/A with GR driver)						
EMG20	20W EM Battery Backup (CEC Compliant EM) ^{2,3}	DPMS	Occupancy/Daylight/0-10V Dimming ¹⁶ Daylight Dimming Photo Sensor (0-10 VDC Control) ⁵	FCJSE	Vive Attached fixture control (RF only for Lutron EcoSystem drivers)						
EMG25	25W EM Battery Backup (CEC Compliant EM) ^{2,3}	SO	Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) ⁶	FCJS0EM	UL 924 Emergency PowPak wireless fixture control for 0-10V drivers						
ELCU-200 GTD GTD10DIM	Fail-to-on Emergency lighting, UL924 ¹⁰ Bodine Generator Transfer Device Bodine Generator Transfer Device (0-10VDC Dimmer Override)	LSR-301-S LSR-301-P	Setup Remote Control for DPMS Occupant Remote Control for DPMS	FCJSEEM	UL 924 Emergency PowPak wireless fixture control for Ecosystem drivers						
ARRA BAA	Assembled in USA for Buy American Act BAA(Buy American Act) and BABA(Build America Buy America) compliant	O7W O10W CP	Optional 7 Years Limited Warranty ⁴ Optional 10 Years Limited Warranty ⁴ Chicago Plenum	SNS200C	<EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{11,12}						
TAA AB MS11	Trade Agreements Act compliant Two Ballast for AB Switch Master Slave w/ 11' Whip			RS-IR	IR dongle v2.0 for EasySense control						
				PPA102S	<Bluetooth> Bluetooth Powerpack (Consult factory for installation location)						
				CASAMBI	Contact factory for CASAMBI READY options						

NOTES:

- Supplied with step down transformer.
- Contact factory for other emergency ballast options.
- Must specify voltage, not available with 347V, 480V.
- 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 include)
- 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)
- To find an approved dimmer switch, please see table 1.
- Available with C9 only.
- Lumen per watt is around 15% less than standard CRI (80+).
- Shipped separately.
- 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.
- Flange kits are supplied in separate boxes, field installed.
- Flanged trims are supplied with swing gate hanger.
- Must be ordered with either ED560 or MU050 driver.
- With TDM/ELV/SDxx/TDxx: Only available with line-voltage on/off occupancy sensor.

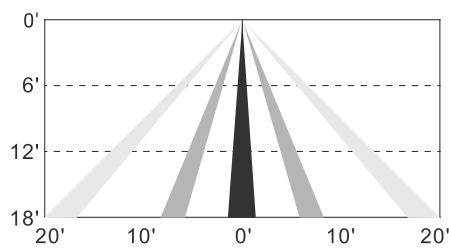
COMPATIBLE DIMMER SWITCH (TABLE 1)

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: NFTV Diva - DTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
ED560	eldoLED DUALdrive	<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
		<Lunatone>	SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm
LDE5	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
LDE1	Lutron 5-Series EcoSystem		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
MU050	Moons Intelligent indoor	<Lutron>	Diva - DTV-xx, DVSTV-xx
PHSR ³	Philips Xitanium Sensor-Ready	<Illumra>	Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND
			Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Illumra# 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, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P

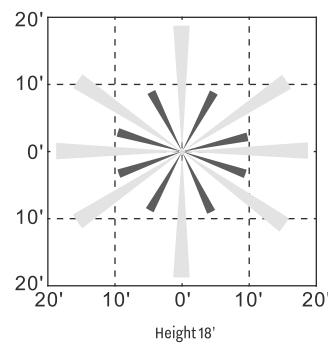
NOTES:

- 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.
- 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.

SIDE VIEW



TOP VIEW



AMS coverage pattern