

## SCT

Project Name:	
Type:	



CASA MBI

## 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 handling.
- 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) <sup>4</sup>
- ARRA compliant (optional).
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- LM-79 (DLC listed products only)

## CONFIGURATIONS

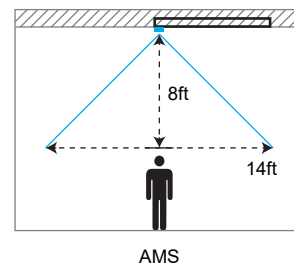
Series	Size	LED	AC Input	Lumen Output	Lumen Efficiency
SCT	1' x 4'	36LED	39.33W	4361.57 lm	110.90 lm/W
		44LED	46.71W	5584.36 lm	119.55 lm/W
		54LED	57.33W	6404.25 lm	111.71 lm/W
		72LED	78.66W	9339.55 lm	118.73 lm/W
	2' x 2'	27LED	29.76W	3172.4 lm	106.59 lm/W
		36LED	39.22W	4180.85 lm	106.59 lm/W
		44LED	46.84W	4993.14 lm	106.59 lm/W
		54LED	57.49W	6128.43 lm	106.59 lm/W
	2' x 4'	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

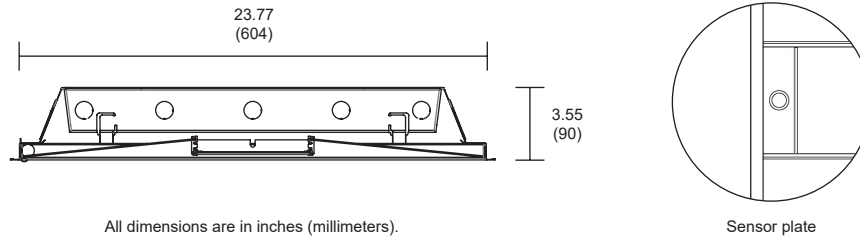
		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

## 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"



# LED RECESSED TROFFER



## ORDERING INFORMATION

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

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

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

OPTIONS	LIGHTING CONTROL SYSTEM
<b>EMG8</b> 8W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup> <b>EMG15</b> 15W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup> <b>EMG20</b> 20W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup> <b>EMG25</b> 25W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup> <b>ELCU-200</b> Fail-to-on Emergency lighting, UL924 <sup>10</sup> <b>GTD</b> Bodine Generator Transfer Device <b>GTD10DIM</b> Bodine Generator Transfer Device (0-10VDC Dimmer Override) <b>ARRA</b> Assembled in USA for Buy American Act <b>BAA</b> BAA(Buy American Act) and BABA(Build America Buy America) compliant <b>TAA</b> Trade Agreements Act compliant <b>AB</b> Two Ballast for AB Switch <b>MS11</b> Master Slave w/ 11' Whip <b>PW6</b> Pre-wired 6' Whip Flex <b>HC403</b> Microwave bi-level Occupancy Sensor, adjustable via DIP switch <b>AMS</b> Bluetooth Mesh Wireless Sensor. <b>DPMS</b> Occupancy/Daylight/0-10V Dimming <sup>16</sup> <b>SO</b> Daylight Dimming Photo Sensor (0-10 VDC Control) <sup>5</sup> <b>LSR-301-S</b> Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) <sup>5</sup> <b>LSR-301-P</b> Setup Remote Control for DPMS <b>O7W</b> Occupant Remote Control for DPMS <b>O10W</b> Optional 7 Years Limited Warranty <sup>4</sup> <b>CP</b> Optional 10 Years Limited Warranty <sup>4</sup> <b>Chicago Plenum</b>	<b>VRF</b> <Lutron Vive System Enabled> Vive Integral fixture control (RF only), (Must be ordered with EcoSystem drivers or PHSR) <b>FCJS0</b> Vive Attached fixture control (RF only for 0-10V drivers), (N/A with GR driver) <b>FCJSE</b> Vive Attached fixture control (RF only for Lutron EcoSystem drivers) <b>FCJS0EM</b> UL 924 Emergency PowPak wireless fixture control for 0-10V drivers <b>FCJSEEM</b> UL 924 Emergency PowPak wireless fixture control for EcoSystem drivers <b>SNS200C</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> <b>RS-IR</b> IR dongle v2.0 for EasySense control <b>PPA102S</b> <Bluetooth> Bluetooth Powerpack (Consult factory for installation location) <b>CASAMBI</b> 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 included)
- 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>	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
ED560	eldoLED DUALdrive	<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 <sup>1,2</sup> 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
LDE1	Lutron 5-Series EcoSystem		
MU050	Moons Intelligent indoor	<Lutron>	Diva - DVTv-xx, DVSTV-xx
PHSR <sup>3</sup>	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

## 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.

