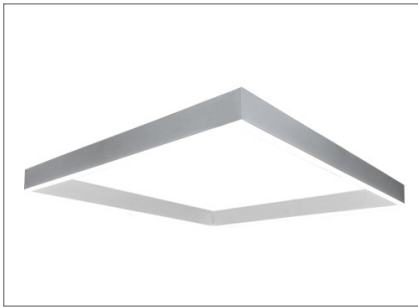


CUBE1-SQ

Project Name:	
Type:	



CASAMBI

APPLICATION

The lit connector system allows continuous illumination all the way through the corner selection. The CUBE1-SQ enables to create variety designs using CUBE1 series combined with the HC90 lit connector. It is suitable for multiple applications such as commercial, general office, banking, retails, and educational environments.

FEATURES:

- Extruded aluminum housing with die-cast aluminum end caps.
- Standard powder-coat textured white finish.
- A remote box may be provided up to 2'x2' for pendant/surface, and 3'x3' for all recessed depending on the configuration.

MOUNTING:

- Pendant, surface mount.
- Recessed mount, compatible with T-Bar and drywall ceiling.

LED:

- High quality array LEDs.
- IES LM80 tested.
- Color Temperature: 2700/3000/3500/4000/5000 (K).
- Color Rendering Index: >80 (optional >90).
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).

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 dimming with 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:

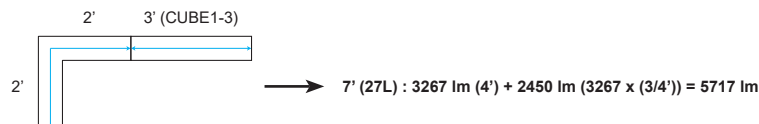
- UL / CUL listed.
- Listed to UL 1598 and UL 8750.
- UL listed for dry & damp location.
- CEC Compliant EM (please contact for more information)
- Assembled in USA.
- BAA compliant (optional).
- BABA compliant (optional).
- Trade Agreements Act compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty (optional).¹⁴

CONFIGURATIONS (Based on per 4')

Series	Model #	AC Input	Fixture Lumen Output		Lumen Efficiency
CUBE1	D9L	9.9W	1089 lm (100% Down)	1089 lm	110 lm/W
	D18L	19.9W	2178 lm (100% Down)	2178 lm	
	D27L	14.85W	3267 lm (100% Down)	3267 lm	
	D36L	39.6W	4356 lm (100% Down)	4356 lm	
	D9L/U9L	9.9W	1089 lm (57.6% Down) / 801 lm (42.4% Up)	1890 lm	103.41 lm/W
	D18L/U18L	19.8W	2178 lm (57.6% Down) / 1603 lm (42.4% Up)	3781 lm	
	D27L/U18L	24.75W	3267 lm (65.5% Down) / 1720 lm (34.5% Up)	4987 lm	101.63 lm/W
	D36L/U27L	34.6W	4356 lm (65.5% Down) / 2294 lm (34.5% Up)	6650 lm	

* For other sizes, lumen output must be calculated based on 4'.

CCT	Multiplier		
	3000K	3500K	5000K
Down only	0.9642	0.9822	1.0357
Up&Down	0.971	0.9856	1.029



CUBE1-SQ

Sample Ordering Guideline

- * Minimum dimension X'-Y' (width by length) should be 2' - 2'.
- * Must be measured from center point.
- * Utopia Lighting will decide the optimal fixture combination unless otherwise specified in the drawing.
- * For custom designs (CUBE1-CM), please provide sketch(es) in the last page.

ORDERING INFORMATION

EXAMPLE: CUBE1-SQ-4'-4'-D27L/U18L-30K-UNV-X2-AC48

MODEL	DIMENSION		LED Downlight (per/4ft section)		LED Uplight ¹ (per/4ft section)		Uplight DISTRIBUTION ²	
CUBE1-SQ (Square)	X'-Y'	Specify dimension in inches. (Minimum required dimension is 2'-2')	D9L D18L D27L D36L Dxx	9W LED (272 lm/ft) 18W LED (544 lm/ft) 27W LED (816 lm/ft) 36W LED (1089 lm/ft) Custom lumen or watt, ___ LM or ___ W.	(Blank) /U9L /U18L /U27L /Uxx	No Uplight 9W LED (272 lm/ft) 18W LED (544 lm/ft) 27W LED (816 lm/ft) Custom lumen or watt, ___ LM or ___ W.	(Blank) UN15 UN30 UM UASY UBAT UPC	No optic Uplight Narrow 15° Uplight Narrow 30° Uplight Medium 60° Uplight Asymmetric 20° ¹⁹ Uplight Batwing 120° Non-optic frosted cover
CUBE1-RC (Rectangular)	X'-Y'	Specify dimension in inches. (Minimum required dimension is 2'-2')						
CUBE1-CM (Custom shape)	X'-Y'	Please provide drawing in the last page. (Minimum required dimension is 2'-2')						

* Max up to 1089lm/ft or 9W/ft.
* with TDM/ELV: offered to closest lm or W.

* Max up to 816lm/ft or 6.75W/ft.
* with TDM/ELV: offered to closest lm or W.

COLOR TEMP.		SEPARATE CCT.		CRI		MOUNTING	
(Blank)	Leave blank to have different CCT for up and down, and fill out next section.	(Blank)	Leave blank to have the same CCT for up and down in the previous section. Indicate 27,30,35,40, or 50 for XX and YY (D represents Downlight, U represents Uplight)	(Blank)	80+ (Std.) 90+ CRI ⁴	(Blank)	Pendant Ceiling Surface Standard 1/2" Flange (drywall) ^{5,6} 9/16", 15/16", 1" T-bar Ceiling Grid ⁷
-27K	2700K ³	DXXUYY		C9		S	
-30K	3000K					FT	
-35K	3500K					G1	
-40K	4000K						
-50K	5000K						

VOLTAGE		EM SECTION ⁹		FIXTURE FINISH		CORD FINISH (for pendant)		CANOPY FINISH (for pendant)	
UNV	120-277V	(Blank)	None EM	(Blank)	Matte White RAL #9003 (Std.)	(Blank)	White (Std.)	(Blank)	White (Std.)
120	120V	1SE	1 Section	*BK	Black RAL #9011	*BKC	Black ¹⁸	*BC	Black Canopy
277	277V	2SE	2 Section	*SV	Silver (RAL #9022)			*SC	Silver Canopy
347	347V ⁸	xSE	x Section	**CC	Custom Color ¹⁷			**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.

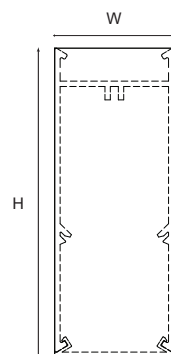
CEILING TYPE (for pendant)		SUSPENSION LENGTH (for pendant)		LED DRIVER	
X1	15/16" grid T-bar ceiling	AC48	Adjustable Aircraft Cable Canopy 48"L	(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)
X2	Hard ceiling	AC96	Adjustable Aircraft Cable Canopy 96"L	UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) ^{4,16}
X3	Sloped Hard ceiling	ST24	Stem Canopy 24"L	SP	Separate Power Control for Uplight and Downlight
X4	9/16" T-bar ceiling	ST48	Stem Canopy 48"L	SD40	40% / 100% Bi-Level Step dim
X5	9/16" Screw Slot ceiling			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%)
				ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)
				ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
				EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)
				ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim
				LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
				PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.
				PHDL	Philips Xitanium DALI driver, Dim to 5%
				TRIO	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface
				DTO	0-10V DIM-TO-OFF
				BLT	Bluetooth Mesh System (contact factory for more information)

CUBE1-SQ

OPTIONS			
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{10, 11, 12}	ADPMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight harvesting/0-10V Dimming ^{16, 17}
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{10, 11, 12}	O7W	Optional 7 Years Limited Warranty ¹⁴
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{10, 11, 12}	O10W	Optional 10 Years Limited Warranty ¹⁴
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{10, 11, 12}	ARRA	Assembled in USA
STB	Slip Through Bracket ¹⁵	BAA	BAA(Buy American Act) compliant
F1	Single fuse for 120/277/347V	BABA	BABA(Build America Buy America) compliant
F2	Double fuse for 208/240V	TAA	Trade Agreements Act compliant
ELCU-200	Fail-to-on Emergency lighting, UL924 ¹³	CASAMBI	Contact factory for CASAMBI READY options

NOTES:

- Pendant mount only.
- Pendant and Surface mount only.
- Lumen per watt is approximately 15% fewer than standard CRI 80+.
- Available with C9 (CRI 90+) only.
- Compatible with hard ceiling type.
- Must be ordered with STB from the option.
- Compatible with T-bar ceiling type.
- Not available with EM.
- EM is installed in the last 4' of luminaire section. Separate section required must specify 2SE or xSE. Must specify voltage, not available with 347V.
- Contact factory for other emergency ballast options.
- Must specify voltage 120V or 277V, not available with 347V.
- Integrated installation may not be available with 2ft & 3ft luminaire due to limited space. Can be remote mounted.
- Shipped separately.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Required for -FT mounting type.
- Only available with standard 0-10V LED driver.
- Default setting from the factory is "occupancy enabled, Daylight disabled". To enable Daylight, disable occupancy and enable daylight adjustment must be made in the field prior to installation.
- Not available with EM option.
- Standard optic illuminates the wall. Optics can be field modified (reversed) to illuminate room.

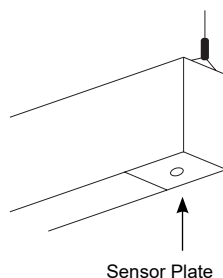


Specifications: CUBE1

Width: 1.75 (44.5)

Height: 4.5 (114.3)

* All dimensions are in inches (millimeters).



CUBE1-SQ

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IP710-LFZ
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
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-*, 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-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
DTO	Philips Xitanium Gen.2 Philips Xitanium Sensor-Ready	<Lutron>	Nova T: #NTSTV-DV http://www.lutron.com/TechnicalDocumentLibrary/NovaTB.pdf See page13.

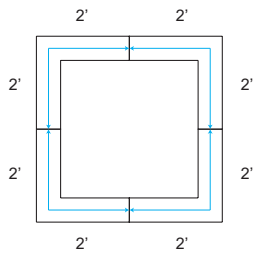
NOTES:

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.

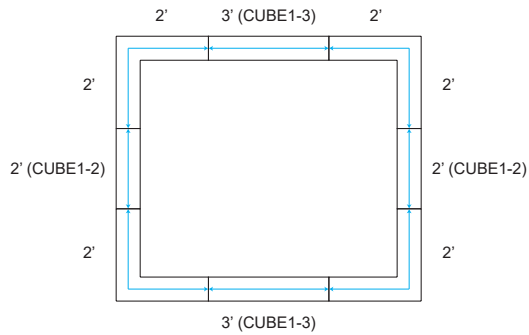
CUBE1-SQ

MODEL# CUBE-SQ examples (Measurement from center point)

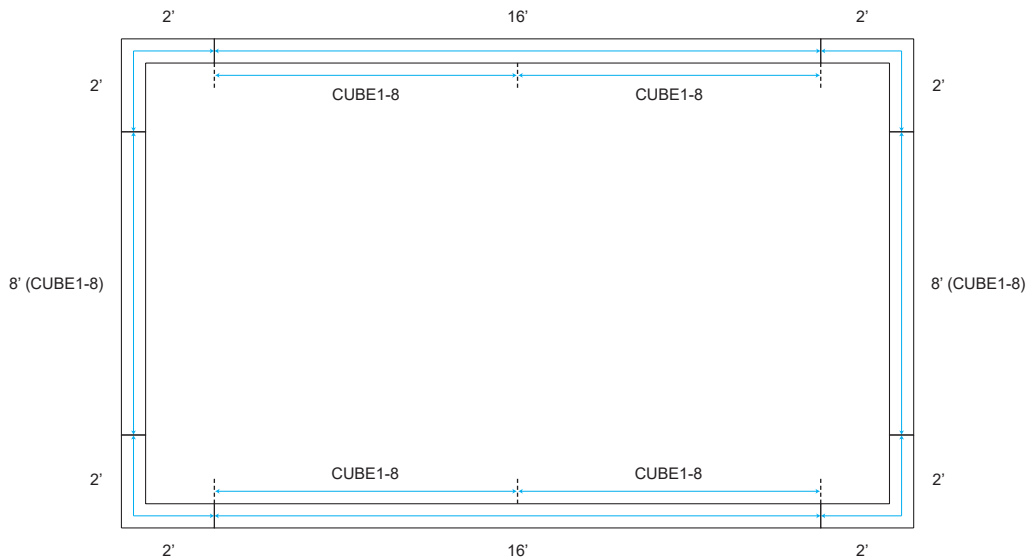
4' - 4'



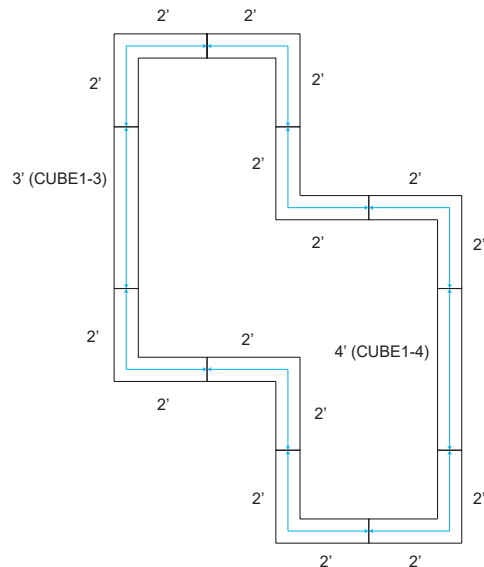
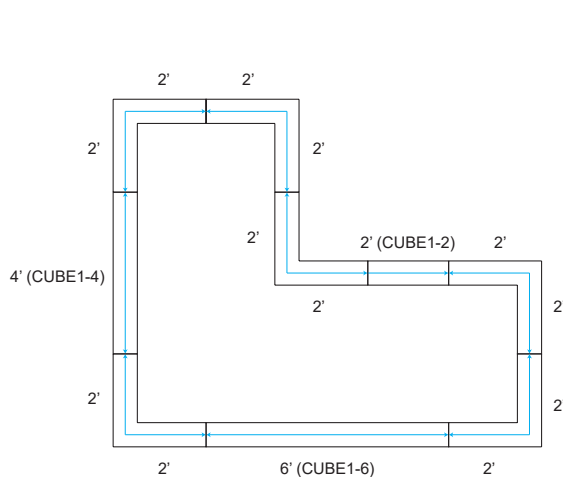
6' - 7'



12' - 20'



MODEL# CUBE-CM examples (Measurement from center point)



CUBE 1 LIT CONNECTOR PATTERNS

The lit connector system allows continuous illumination all the way through the corner section.

- Instruction:
- Please provide sketches illustrating corner types, overall dimensions including corner dimensions, and locations required.
 - HC90, TC, and XC connectors are 90 degree corners (overall, center dimension).

A large grid for sketching connector patterns, with a UTOPIA LIGHTING logo watermark in the top center.