CUBE4-X

Project Name:	
Type:	

FEATURE:

- Housing is formed by cold-rolled steel with a highly reflective die-formed white painted steel reflector.
- The snap-in acrylic lens has a matte finish and a diffuser (.125" thick) which is removable for lamp replacement.

MOUNTING:

- Pendant and drywall mount available.

LED:

- High quality array LEDs.
- LM80
- Color Temperature: 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.
- 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.

FINISH:

- Standard powder-coat textured white painted finish on exposed trim, consult factory for custom colors.
- Comes with snap-in acrylic lens as standard.

LISTING:

- UL / CUL listed.
- Listed to UL 1598 and UL 8750.
- UL listed for dry & damp location.
- Assembled in USA (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.
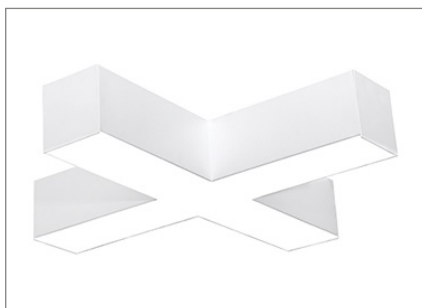
APPLICATION

The CUBE4-X creates a design statement for contemporary and traditional architectural interiors. The 90 degree luminaires are decorative and suitable for a multiple of applications like offices, retails, museums and galleries as well as high ceiling application such as lobbies.

CONFIGURATIONS

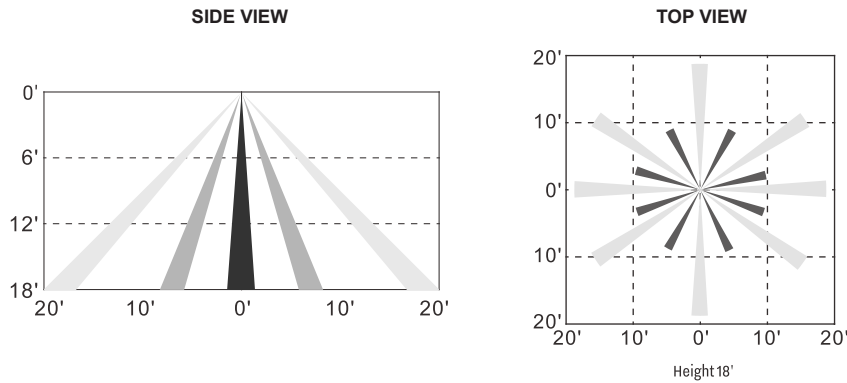| Series	Model #	AC Input	Fixture Lumen Output		Lumen Efficiency
CUBE4-X	18L	25.2W	2661 lm (100% Down)	2661 lm	105.5 lm/W
	27L	31.3W	3302 lm (100% Down)	3302 lm	105.5 lm/W
	36L	43.2W	4560 lm (100% Down)	4560 lm	105.5 lm/W
	48L	52W	5486 lm (100% Down)	5486 lm	105.5 lm/W
	54L	61.2W	6459 lm (100% Down)	6459 lm	105.5 lm/W
	18L/18L	36W	2217 lm (44.8% Down), 2733 (55.2% Up)	4950 lm	137.5 lm/W
	27L/27L	53.3W	3167 lm (44.8% Down), 3904 lm (55.2% Up)	7071 lm	132.6 lm/W
	36L/18L	62.9W	4589 lm (59% Down), 3189 lm (41% Up)	7778 lm	123.6 lm/W
	48L/18L	66W	5826 lm (64.6% Down), 3189 lm (35.4% Up)	9015 lm	136.5 lm/W
	48L/27L	76.3W	5246 lm (59.3% Down), 3604 lm (40.7% Up)	8851 lm	116 lm/W
	54L/18L	80.8W	6293 lm (66.3% Down), 3196 lm (33.7% Up)	9489 lm	117.4 lm/W

OUTPUT CURRENT

SW1	SW2	Bi-Level		Tri-Level (Default)	
		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%

WEIGHT

Item	lbs	kg
CUBE4-X	18.50	8.39
CUBE4-X-FT	21.37	9.70

UTOPIA LIGHTING

CUBE4-X

Sensor Plate

Lutron Vive Integral
fixture control installation

EasySense
fixture-mount installation

SIDE VIEW

TOP VIEW

Height 18'

AMS, IFS105SE coverage pattern

ORDERING INFORMATION

EXAMPLE: CUBE4-X-D27L-30K-UNV-X1-AC48

MODEL	SHAPE		LED Downlight (per/each section)		LED Uplight [1] (per/each section)		Uplight DISTRIBUTION	
CUBE4-X	**(Blank)**	X shape individual unit	**D18L**	18W LED	**/U18L**	18W LED	**(Blank)**	No optic
			D27L	27W LED	**/U27L**	27W LED	**UN15**	Uplight Narrow 15º
			D36L	36W LED			**UN30**	Uplight Narrow 30º
			D54L	54W LED			**UM**	Uplight Medium 60º
	CM	Custom pattern (must provide a sketch on the last page of this spec sheet)	* Maximum wattage per each section - pendant : 75W(up & down light) - recessed mount : 54W(down light) * Contact factory for custom wattage or lumen requirement.				**UASY**	Uplight Asymmetric 20º [19]
							UBAT	Uplight Batwing 120º
							UPC	Non-optic clear cover

COLOR TEMP.		SEPARATE COLOR TEMP. [1]		CRI		MOUNTING		VOLTAGE	
(Blank)	Leave blank if you wish to have different CCT for up and down, and fill out next section.	**(Blank)**	Leave blank if you wish to have different CCT for up and down, and fill out next section.	**(Blank)**	80+ CRI	**(Blank)**	Pendant	**UNV**	120-277V
				C9	90+ CRI [9]	**FT**	Standard 1/2"	**120**	120V
-30K	3000K	**DXXUYY**	Indicate 27,30,35,40 or 50 for XX and YY (D represents Downlight, U represents Uplight).				Flange (drywall) [2]	**277**	277V
-35K	3500K							**347**	347V [15]
-40K	4000K								
-50K	5000K								

CUBE4-X

EM SECTION		FIXTURE FINISH [10]		CORD FINISH (for pendant)		CANOPY FINISH (for pendant)		CEILING TYPE (for pendant)		SUSPENSION LENGTH (for pendant)	
(Blank)	None EM	(Blank)	Matte White RAL #9003 (Std.)	(Blank)	White (Std.)	(Blank)	White (Std.)	X1	15/16" grid T-bar ceiling	AC48	Adjustable Aircraft Cable Canopy 48"L
1SE	1 Section	*BK	Black RAL #9011	*BKC	Black	*BC	Black Canopy	X2	Hard ceiling	AC96	Adjustable Aircraft Cable Canopy 96"L
		*SV	Silver (RAL #9022)			*SC	Silver Canopy	X3	Sloped Hard ceiling	ST24	Stem Canopy 24"L
		**CC	Custom Color [8]			**CSS	Custom Canopy Color (White is Std.)	X4	9/16" T-bar ceiling	ST48	Stem Canopy 48"L
		*AMB	Anti-Microbial Coating (Matte Skye White)								

*Non-standard finish with extra charge.
**Additional charge & set up fee.

*Contact factory for custom length.

LED DRIVER

(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)
UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) [7, 14]
SP	Separate Power Control for Uplight and Downlight
ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim
SD40	40% / 100% Bi-Level Step dim
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)
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%
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%)
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)
TRIOT	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
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)

OPTIONS

STB	Slip Through Bracket [3]
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [17]
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [17]
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [17]
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [17]
EMC	CEC compliant EM [4]
GTD	Bodine Generator Transfer Device
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
GLR	Fast Blow Fuse [16]
GMF	Slow Blow Fuse [16]
ARRA	Assembled in USA for Buy American Act
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant
O7W	Optional 7 Years Limited Warranty [5]
O10W	Optional 10 Years Limited Warranty [5]
AMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) [18]
SO	Dimming Wires connected to Sensor Onl (available option on FS-205 non-Bluetooth AMS sensor only) [6]
LSR-301-S	Setup Remote Control for DPMS (Required for DPMS)
LSR-301-P	Occupant Remote Control for DPMS
E1F	End feed on one end (Pre-drilled hole for 1/2" fitting)
E2F	End feed on both ends (Pre-drilled holes for 1/2" fitting)

LIGHTING CONTROL SYSTEM

| LUTRON VIVE	<Lutron Vive System Enabled>
	Vive *Click Here!*
SNS200	<EasySense> EasySense Fixture-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [11, 12]
RS-IR	IR dongle v2.0 for EasySense control
SU-5E	<Enlighted> Enlighted IoT ready 0-10V Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled (Must be ordered with TRIOT) [13]
RS-WS	Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability
IFS105SE	<Bluetooth> Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
PPA102S	Bluetooth Powerpack (Consult factory for installation location)

NOTES:
1. Pendant only.
2. Requires # STB as standard.
3. Standard with "FT" mounting.
4. Check with factory for more details.
5. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
6. Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
7. For separate dimming control, please be advised it may not be available when EM battery backup is added due to limited space. Please contact us for more information.
8. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
9. Lumen per watt is around 15% less than standard CRI (80+).
10. Cord is available in white or black. (Black is not available for the EM option)
11. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
12. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
13. "RS-WS" option can be added if wish to have a wall switch, please see Enlighted Room Controller in the separate attachment.
14. Can have up to 2 power feeds depending on the configuration.
15. 347V cannot work with Emergency Battery Backup.
16. Must specify voltage, not available with 347V.
17. Contact factory for other emergency ballast options.
18. Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
19. Standard optic illuminates the wall. Optics can be field modified (reversed) to illuminate room.
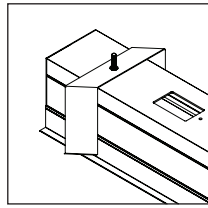
CUBE4-X

- INACCESSIBLE CEILING MOUNTING

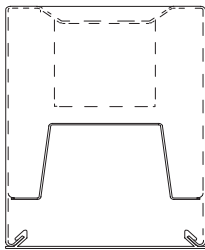### Flange Detail
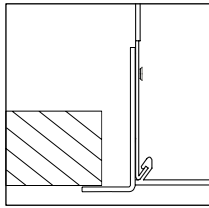
Exposed Flange Detail:
Specify FT in part #

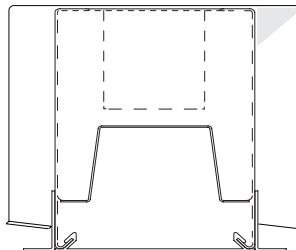## - SPECIALTY MOUNTS

Rotating Crossbar

Unavailable Structure Support:
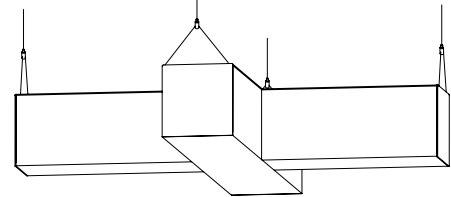Specify STB in part #

Cable

Stem

Surface

Drywall

Pendant

24
(609.6)

24
(609.6)
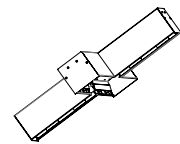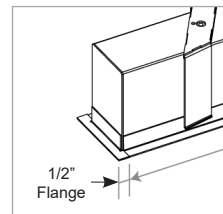
4
(102)

4
(102)

Drywall

24
(609.6)

24
(609.6)

4
(102)

4
(102)

1/2"
Flange
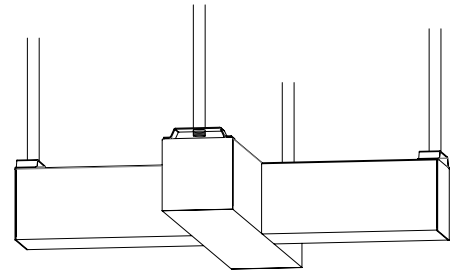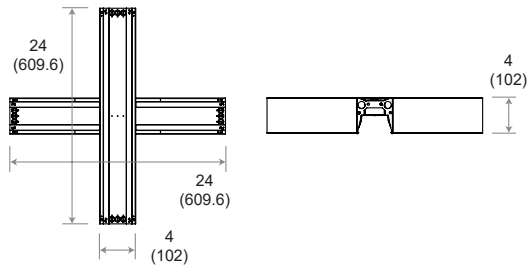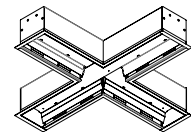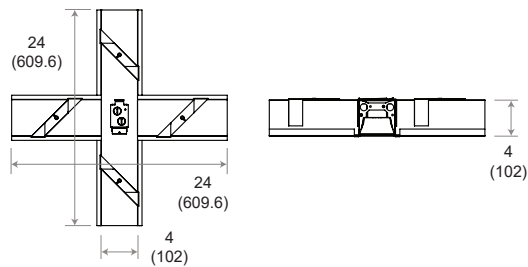
All dimensions are in inches (millimeters).

* Dimensions shown are without flange.

CUBE4-X

COMPATIBLE DIMMER SWITCH (TABLE 1)

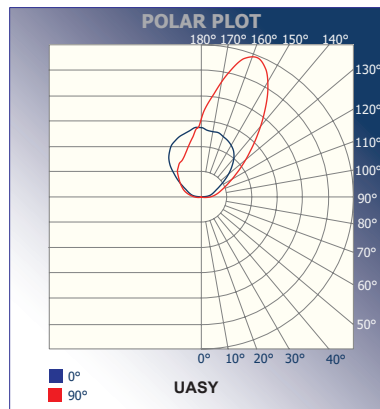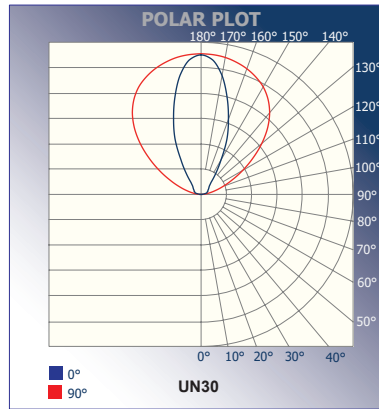| Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IP710-LFZ
		<Lutron>	Nova: NFTV-dimmer plus PP-DV relay pack(s) Nova T: NTSTV-DV-dimmer Diva: DVTV-dimmer, DVSCTV-dimmer, plus PP-DV, relay pack(s), DVSTV-dimmer, DVSCSTV-dimmer GRAFIK Eye QS: QSGRJ-XP, plus GRX-TVI 0-10V interface GRAFIK Eye QS w/EcoSystem: QSGRJ-XE, QSGR-XE, plus GRX-TVI 0-10V interface PowPak: RMJ-5T
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
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm
LDE1	Lutron 5-Series 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
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
DTO	Philips Xitanium Gen.2 Philips Xitanium Sensor-Ready	<Lutron>	Nova T: #NTSTV-DV http://www.lutron.com/TechnicalDocumentLibrary/NovaTB.pdf See page13.
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.

CUBE4-X

POLAR PLOT — UN15

POLAR PLOT — UN30

POLAR PLOT — UM

POLAR PLOT — UASY

POLAR PLOT — UBAT

UTOPIA LIGHTING
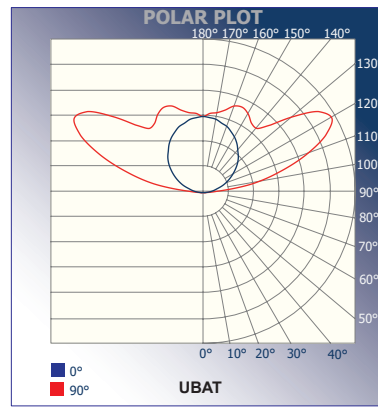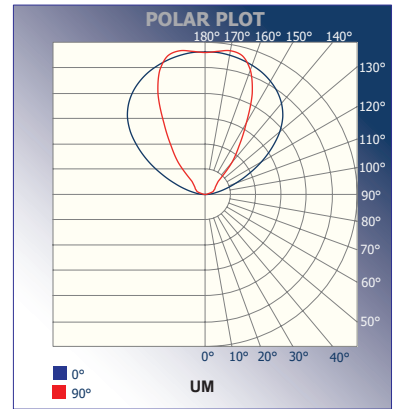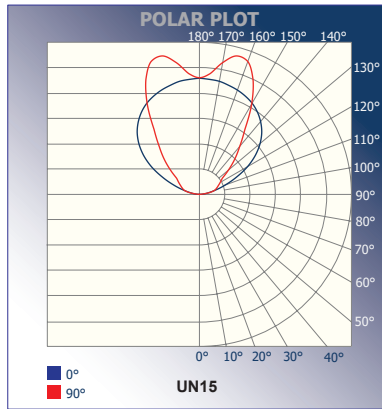
ARCHITECTURAL DESIGN

CUBE4-X 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, outside dimension).

www.utopialightingus.com   UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.