Revised: 11.10.2023

CUBE4

Project Name:	
Type:	

APPLICATION

The CUBE is a featured Architectural Linear fixture. 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 LED module replacement. It is used for multiple applications such as commercial, general office, banking, retail and educational environments.

MOUNTING:

- Pendant, surface and wall mount.

LED:

- High quality array LEDs.
- LM80
- 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 dimmable driver as standard.
- 0-10VDC dimming 1%~100%.
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).

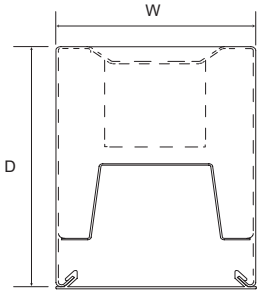
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

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.
- DLC listed. [31]
- CEC Compliant EM (please contact for more information)
- Assembled in USA (optional)
- BAA compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty (optional). [8]
- Bluetooth Mesh System available, please contact factory for more information.



Specifications: CUBE4

Width: 4 (101)
Depth: 4 (101)

All dimensions are in inches (millimeters).

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

CUBE4

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%

WEIGHT

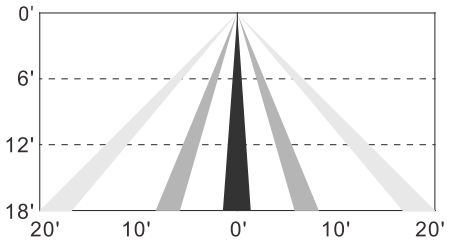
Item	lbs	kg
CUBE 4 2FT PENDANT	8.36	3.79
CUBE 4 3FT PENDANT	10.95	4.97
CUBE 4 4FT PENDANT	13.70	6.22
CUBE 4 8FT PENDANT	24.97	11.33
CUBE 4 HC90 PENDANT	17.84	8.09
CUBE 4 X PENDANT	18.50	8.39
CUBE 4 T PENDANT	13.21	5.99

CONFIGURATIONS

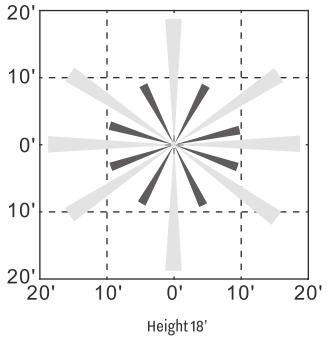
Series	Size	Model #	AC Input	Lumen Output (Down)		Lumen Efficiency
CUBE4	2'	18L	9.9W	1450.8 lm (100%)	1450.8 lm	146.55 lm/W
		27L	14.85W	2344.7 lm (100%)	2344.7 lm	157.89 lm/W
		36L	19.8W	2482.1 lm (100%)	2482.1 lm	125.36 lm/W
		48L	26.4W	3073.0 lm (100%)	3073.0 lm	116.4 lm/W
		54L	29.7W	3507.6 lm (100%)	3507.6 lm	118.1 lm/W
	3'	18L	14.85W	2176.3 lm (100%)	2176.3 lm	146.55 lm/W
		27L	22.27W	3516.2 lm (100%)	3516.2 lm	157.89 lm/W
		36L	29.7W	3723.2 lm (100%)	3723.2 lm	125.36 lm/W
		48L	39.6W	4609.4 lm (100%)	4609.4 lm	116.4 lm/W
		54L	44.55W	5261.4 lm (100%)	5261.4 lm	118.1 lm/W
	4'	18L	19.8W	2901.7 lm (100%)	2901.7 lm	146.55 lm/W
		27L	29.7W	4689.3 lm (100%)	4689.3 lm	157.89 lm/W
		36L	39.6W	4964.3 lm (100%)	4964.3 lm	125.36 lm/W
		48L	52.8W	6145.9 lm (100%)	6145.9 lm	116.4 lm/W
		54L	59.4W	7015.1 lm (100%)	7015.1 lm	118.1 lm/W
	5'	18L	24.75W	3627.1 lm (100%)	3627.1 lm	146.55 lm/W
		27L	37.13W	5862.5 lm (100%)	5862.5 lm	157.89 lm/W
		36L	49.5W	6205.3 lm (100%)	6205.3 lm	125.36 lm/W
		48L	66W	7682.4 lm (100%)	7682.4 lm	116.4 lm/W
		54L	74.25W	8768.9 lm (100%)	8768.9 lm	118.1 lm/W
	6'	18L	29.7W	4352.5 lm (100%)	4352.5 lm	146.55 lm/W
		27L	44.55W	7034.0 lm (100%)	7034.0 lm	157.89 lm/W
		36L	59.4W	7446.4 lm (100%)	7446.4 lm	125.36 lm/W
		48L	79.2W	9218.9 lm (100%)	9218.9 lm	116.4 lm/W
		54L	89.1W	10522.7 lm (100%)	10522.7 lm	118.1 lm/W
	8'	18L	39.6W	5803.4 lm (100%)	5803.4 lm	146.55 lm/W
		27L	59.4W	9378.7 lm (100%)	9378.7 lm	157.89 lm/W
		36L	79.2W	9928.5 lm (100%)	9928.5 lm	125.36 lm/W
		48L	105.6W	12291.8 lm (100%)	12291.8 lm	116.4 lm/W
		54L	118.8W	14030.3 lm (100%)	14030.3 lm	118.1 lm/W

	Multiplier		
CCT	3000K	3500K	5000K
Down only	0.983631	0.991815	1.016369
Up&Down	0.988745	0.994373	1.011255

SIDE VIEW



TOP VIEW



AMS, IFS105SE coverage pattern

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CUBE4

CONFIGURATIONS

Series	Size	Model #	AC Input	Lumen Output (Down)		Lumen Efficiency
CUBE4	2'	18L/18L	19.8W	1184.4 lm (49.4% Down) / 1213.9 lm (50.6% Up)	2398.95 lm	121.15 lm/W
		27L/18L	24.75W	1870.87 lm (60.6% Down) / 1216.38 lm (39.4% Up)	3087.25 lm	124.73 lm/W
		27L/27L	29.7W	1863.6 lm (51.1% Down) / 1783.35 lm (48.9% Up)	3646.95 lm	122.79 lm/W
		36L/18L	29.7W	2312.1 lm (66.1% Down) / 1185.9 lm (33.9% Up)	3498 lm	117.77 lm/W
		36L/27L	34.65W	2492.9 lm (57.7% Down) / 1827.7 lm (42.3% Up)	4320.6 lm	124.69 lm/W
		48L/18L	36.3W	2850.1 lm (70.5% Down) / 1192.7 lm (29.5% Up)	4042.8 lm	111.37 lm/W
		48L/27L	41.25W	3029.2 lm (62.9% Down) / 1786.7 lm (37.1% Up)	4815.9 lm	121.15 lm/W
		54L/18L	39.6W	3316.68 lm (73.5% Down) / 1195.82 lm (26.5% Up)	4512.5 lm	113.9 lm/W
		54L/27L	44.55W	3468 lm (66.1% Down) / 1778.65 lm (33.9% Up)	5246.65 lm	117.77 lm/W
	3'	18L/18L	29.7W	1776.7 lm (49.4% Down) / 1820.9 lm (50.6% Up)	3598.4 lm	121.15 lm/W
		27L/18L	37.12W	2806.3 lm (60.6% Down) / 1824.57 lm (39.4% Up)	4630.87 lm	124.73 lm/W
		27L/27L	44.55W	2795.3 lm (51.1% Down) / 2675.1 lm (48.9% Up)	5470.4 lm	122.79 lm/W
		36L/18L	44.55W	3468.2 lm (66.1% Down) / 1778.8 lm (33.9% Up)	5247 lm	117.77 lm/W
		36L/27L	51.97W	3739.4 lm (57.7% Down) / 2741.5 lm (42.3% Up)	6480.9 lm	124.69 lm/W
		48L/18L	54.45W	4275.3 lm (70.5% Down) / 1788.95 lm (29.5% Up)	6064.25 lm	111.37 lm/W
		48L/27L	61.8W	4543.8 lm (62.9% Down) / 2680.05 lm (37.1% Up)	7223.85 lm	121.15 lm/W
		54L/18L	59.4W	4975 lm (73.5% Down) / 1793.75 lm (26.5% Up)	6768.75 lm	113.9 lm/W
		54L/27L	66.82W	5201.66 lm (66.1% Down) / 2667.73 lm (33.9% Up)	7869.39 lm	117.77 lm/W
	4'	18L/18L	39.6W	2368.9 lm (49.4% Down) / 2427.9 lm (50.6% Up)	4797.9 lm	121.15 lm/W
		27L/18L	49.5W	3741.7 lm (60.6% Down) / 2432.8 lm (39.4% Up)	6174.5 lm	124.73 lm/W
		27L/27L	59.4W	3727.18 lm (51.1% Down) / 3566.72 lm (48.9% Up)	7293.9 lm	122.79 lm/W
		36L/18L	59.4W	4624.4 lm (66.1% Down) / 2371.7 lm (33.9% Up)	6996.1 lm	117.77 lm/W
		36L/27L	69.3W	4985.9 lm (57.7% Down) / 3655.3 lm (42.3% Up)	8641.2 lm	124.69 lm/W
		48L/18L	72.6W	5700.4 lm (70.5% Down) / 2385.27 lm (29.5% Up)	8085.67 lm	111.37 lm/W
		48L/27L	82.5W	6058.4 lm (62.9% Down) / 3573.4 lm (37.1% Up)	9631.8 lm	121.15 lm/W
		54L/18L	79.2W	6633.3 lm (73.5% Down) / 2391.7 lm (26.5% Up)	9025 lm	113.9 lm/W
		54L/27L	89.1W	6936 lm (66.1% Down) / 3557.3 lm (33.9% Up)	10493.30 lm	117.77 lm/W
	5'	18L/18L	49.5W	2962.4 lm (49.4% Down) / 3034.4 lm (50.6% Up)	5996.92 lm	121.15 lm/W
		27L/18L	61.89W	4678 lm (60.6% Down) / 3041.4 lm (39.4% Up)	7719.5 lm	124.73 lm/W
		27L/27L	74.25W	4658.8 lm (51.1% Down) / 4458.2 lm (48.9% Up)	9117.1 lm	122.79 lm/W
		36L/18L	74.25W	5780 lm (66.1% Down) / 2964.3 lm (33.9% Up)	8744.4 lm	117.77 lm/W
		36L/27L	86.63W	6232.6 lm (57.7% Down) / 4569.1 lm (42.3% Up)	10801.8 lm	124.69 lm/W
		48L/18L	90.75W	7125.2 lm (70.5% Down) / 2981.5 lm (29.5% Up)	10106.8 lm	111.37 lm/W
		48L/27L	103.35W	7875.5 lm (62.9% Down) / 4645.2 lm (37.1% Up)	12520.8 lm	121.15 lm/W
		54L/18L	99W	8287.9 lm (73.5% Down) / 2988.1 lm (26.5% Up)	11276.1 lm	113.9 lm/W
		54L/27L	111.38W	8670.4 lm (66.1% Down) / 4446.7 lm (33.9% Up)	13117.2 lm	117.77 lm/W
	6'	18L/18L	59.4W	3553.4 lm (49.4% Down) / 3641.9 lm (50.6% Up)	7196.85 lm	121.15 lm/W
		27L/18L	74.25W	5612.6 lm (60.6% Down) / 3649.15 lm (39.4% Up)	9261.75 lm	124.73 lm/W
		27L/27L	89.1W	5590.77 lm (51.1% Down) / 5350.08 lm (48.9% Up)	10940.85 lm	122.79 lm/W
		36L/18L	89.1W	6936.6 lm (66.1% Down) / 3557.55 lm (33.9% Up)	10494.15 lm	117.77 lm/W
		36L/27L	103.9W	7478.95 lm (57.7% Down) / 5482.85 lm (42.3% Up)	12961.8 lm	124.69 lm/W
		48L/18L	108.9W	8550.6 lm (70.5% Down) / 3577.9 lm (29.5% Up)	12128.5 lm	111.37 lm/W
		48L/27L	123.75W	9087.6 lm (62.9% Down) / 5360.1 lm (37.1% Up)	14447.7 lm	121.15 lm/W
		54L/18L	118.8W	9950 lm (73.5% Down) / 3587.5 lm (26.5% Up)	13537.5 lm	113.9 lm/W
		54L/27L	133.65W	10404.11 lm (66.1% Down) / 5335.85 lm (33.9% Up)	15739.96 lm	117.77 lm/W
	8'	18L/18L	79.2W	4737.9 lm (49.4% Down) / 4855.9 lm (50.6% Up)	9595.8 lm	121.15 lm/W
		27L/18L	99W	7483.5 lm (60.6% Down) / 4865.5 lm (39.4% Up)	12349 lm	124.73 lm/W
		27L/27L	118.8W	7454.3 lm (51.1% Down) / 7133.5 lm (48.9% Up)	14587.8 lm	122.79 lm/W
		36L/18L	118.8W	9248.8 lm (66.1% Down) / 4743.4 lm (33.9% Up)	13992.2 lm	117.77 lm/W
		36L/27L	138.6W	9971.9 lm (57.7% Down) / 7310.5 lm (42.3% Up)	17282.4 lm	124.69 lm/W
		48L/18L	145.2W	11400.8 lm (70.5% Down) / 4770.54 lm (29.5% Up)	16171.34 lm	111.37 lm/W
		48L/27L	165W	12116.8 lm (62.9% Down) / 7146.8 lm (37.1% Up)	19263.6 lm	121.15 lm/W
		54L/18L	158.4W	13226.75 lm (73.5% Down) / 4783.25 lm (26.5% Up)	18050 lm	113.9 lm/W
		54L/27L	178.2W	13872.15 lm (66.1% Down) / 7114.46 lm (33.9% Up)	20986.61 lm	117.77 lm/W

	Multiplier		
CCT	3000K	3500K	5000K
Down only	0.983631	0.991815	1.016369
Up&Down	0.988745	0.994373	1.011255

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CUBE4

ORDERING INFORMATION

EXAMPLE: *CUBE4-IND-4-D27L/U18L-30K-UNV*

MODEL	ROW [1]	SECTION [2]	LED Downlight (per/4ft section)	LED Uplight [3] (per/4ft section)	Uplight DISTRIBUTION
CUBE4-IND (Individual Mount) **CUBE4-CON** (Continuous Row Mount) * Number of circuit(s) should be determined by the customer prior to ordering the continuous run considering the AC input voltage and total run wattage.	**xx'** Specify nominal overall row length in 1' increments (Continuous runs)	**2** 2' Length **3** 3' Length **4** 4' Length **5** 5' Length **6** 6' Length **8** 8' Length [4]	**(Blank)** No Downlight [32] **D18L** 18W LED (725 lm/ft) **D27L** 27W LED (1172 lm/ft) **D36L** 36W LED (1241 lm/ft) **D48L** 48W LED (1536 lm/ft) **D54L** 54W LED (1753 lm/ft) * Maximum wattage per 4ft section - pendant/wall mount : 75W(up & down light) * Contact factory for custom wattage or lumen requirement.	**(Blank)** No Uplight **/U18L** 18W LED (683 lm/ft) **/U27L** 27W LED (976 lm/ft)	**(Blank)** No optic **UN15** Uplight Narrow 15° **UN30** Uplight Narrow 30° **UM** Uplight Medium 60° **UASY** Uplight Asymmetric 20° [34] **UBAT** Uplight Batwing 120° **UPC** Non-optic clear cover
CUBE4-CM (Custom)	Must provide a sketch on the last page				

COLOR TEMP.	SEPARATE CCT.	CRI	MOUNTING	VOLTAGE
(Blank) Leave blank if you wish to have different CCT for up and down, and fill out next section **-27K** 2700K [12] **-30K** 3000K **-35K** 3500K **-40K** 4000K **-50K** 5000K	**(Blank)** Leave blank if you chose to have the same CCT for up and down in the previous section **DXXUYY** Indicate 27,30,35,40, or 50 for XX and YY (D represents Downlight, U represents Uplight)	**(Blank)** 80+ CRI **C9** 90+ CRI [11]	**(Blank)** Pendant **S** Ceiling Surface **W** Wall	**UNV** 120-277V **120** 120V **277** 277V **347** 347V [20]

EM SECTION [5]	FIXTURE FINISH [13]	CORD FINISH (for pendant)	CANOPY FINISH (for pendant)	CEILING TYPE (for pendant)	SUSPENSION L ENGTH (for pendant)
(Blank) None EM **1SE** 1 Section **2SE** 2 Section **xSE** x Section	**(Blank)** Matte White RAL #9003 (Std.) ***BK** Black RAL #9011 ***SV** Silver (RAL #9022) ****CC** Custom Color [16] ***AMB** Anti-Microbial Coating (Matte Skye White) * Non-standard finish with extra charge. ** Additional charge & set up fee.	**(Blank)** White (Std.) ***BKC** Black	**(Blank)** White (Std.) ***BC** Black Canopy ***SC** Silver Canopy ****CSS** Custom Canopy Color (White is Std.)	**X1** 15/16" grid T-bar ceiling **X2** Hard ceiling **X3** Sloped Hard ceiling **X4** 9/16" T-bar ceiling	**AC48** Adjustable Aircraft Cable Canopy 48"L **AC96** Adjustable Aircraft Cable Canopy 96"L **ST24** Stem Canopy 24"L **ST48** Stem Canopy 48"L * Contact factory for custom length. 1 pair (2 aircraft cables) standard for up to 8' 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%) [6, 19]
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%
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)
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-OF
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) [30]
BLT	Bluetooth Mesh System (contact factory for more information)

OPTIONS	
HC90-11	90° Horizontal Lit Connector, 1'x1' [29]
HC90-12	90° Horizontal Lit Connector, 1'x2' [29]
HC90-21	90° Horizontal Lit Connector, 2'x1' [29]
HC90-22	90° Horizontal Lit Connector, 2'x2' [29]
HC135-22	135° Horizontal Lit Connector, 2'x2' [29]
TC	T-Type Lit Connector [21]
XC	X-Type Lit Connector [21]
CW90	Ceiling to Wall corner connector [17]
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [9]
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [9]
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [9]
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [9]
ELCU-200	Fail-to-on Emergency lighting, UL924 [10]
GTD	Bodine Generator Transfer Device
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
GLR	Fast Blow Fuse [22]
GMF	Slow Blow Fuse [22]
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 [7]
O10W	Optional 10 Years Limited Warranty [7]
COC	Separated EM feed for City of Chicago code compliance
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)

CUBE4

CONTROLS	
	<Integrated Sensors> WALL MOUNT DOES NOT APPLY
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) [33]
SO	Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) [8]
LSR-301-S	Setup Remote Control for DPMS (Required for DPMS)
LSR-301-P	Occupant Remote Control for DPMS
	<Ceiling / Wall mount Sensors> [23]
LOS-502S-x-y	PIR occupancy sensor, no dimming support, 120-277V, adjustable with DIP switch (See note 24, 26 to select mounting type "x" and lens "y")
LOD-500S-x-y	Bi-level 0-10V occupancy sensor, 120-277V, adjustable with DIP switch (See note 24, 27 to select mounting type "x" and lens "y")
BED-500S-x	Daylight sensor for daylight harvesting control, 0-10V high/low dim or SmartDim control, 120-277V, controlled with IR remote programmer. (See note 25 to select mounting type "x")
RS-LRD	IR remote programmer for LRD-509S, BED-500S series
LBS-700N	On/Off occupancy and vacancy sensor, line voltage, 120-277V, adjustable via DIP switch
LDD-700S	Dual-tech bi-level wall switch occupancy sensor (PIR & HFD), line voltage with 1-pole SLV for on/off switching and 0-10V for manual dimming, 120-277V, adjustable via DIP switch

LIGHTING CONTROL SYSTEM	
	<Lutron Vive System Enabled>
LUTRON VIVE	Click Here!
	<EasySense>
SNS200	EasySense Fixture-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [14, 18]
RS-IR	IR dongle v2.0 for EasySense control
	<Enlighted>
SU-5E-IoT	Enlighted IoT-Ready Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled [15, 28]
SU-5E-CL	Enlighted Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled (Connected lighting sensor only)
RS-WS	Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability
	<Bluetooth>
IFS105SE	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
PPA102S	Bluetooth Powerpack (Consult factory for installation location)

NOTES:
1. Specify only when Continuous Row Mount.
2. No need to select, if sames as row length and section length.
3. Pendant, wall mount only.
4. Comes with 1pc 8ft lens.
5. EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified. Must specify voltage, not available with 347V.
6. 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.
7. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
8. Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
9. Contact factory for other emergency ballast options.
10. Shipped separately.
11. Lumen per watt is around 15% less than standard CRI (80+).
12. Available with C9 (CRI 90+) only.
13. Cord is available in white or black. (Black is not available for the EM option)
14. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
15. "RS-WS" option can be added if wish to have a wall switch, please see Enlighted Room Controller in the separate attachment.
16. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
17. Only applicable for FT and SF mounting option.
18. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
19. Can have up to 2 power feeds depending on the configuration.
20. 347V cannot work with Emergency Battery Backup.
21. Cannot be ordered as wall mount.
22. Must specify voltage, not available with 347V.
23. Wall mounted fixture MUST choose the sensor from the following list. Shipped separately.
24. "x" = S : Ceiling Surface
    C : Junction Box
25. "x" = S : Ceiling Surface
    C : Junction Box
    R : Ceiling Recess
26. "y" = A : Standard cone shape Lens @ 15' height (up to 2x height coverage)
    B : Extra wide cone shape Lens @ 10' height (up to 6X height coverage)
    C : High bay cone shape Lens @ 30' height (up to 3X height coverage)
    D : Standard round shape Lens @ 20' height (up to 2X height coverage)
    F : Extra wide dome shape Lens @ 20' height (up to 4X height coverage)
    G : Aisle way arch shape Lens @ 40' height (up to 3X height coverage)
    H : High bay dome shape Lens @ 50' height (up to 1X height coverage)
27. "y" = A : Standard cone shape Lens @ 15' height (up to 2x height coverage)
    B : Extra wide cone shape Lens @ 10' height (up to 6X height coverage)
    C : High bay cone shape Lens @ 30' height (up to 3X height coverage)
    D : Standard round shape Lens @ 20' height (up to 2X height coverage)
    F : Extra wide dome shape Lens @ 20' height (up to 4X height coverage)
    G : Aisle way arch shape Lens @ 40' height (up to 3X height coverage)
28. Must be ordered either with 0-10V LED driver or TRIOT (IoT-Ready LED driver).
29. Refer to a separate CUBE4-HC90 spec sheet to find more information.
30. Not available with any 1ft individual configuration due to space limitations.
31. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
32. Downlight cover may ship separately depending on the configuration.
33. Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
34. Standard optic illuminates the wall.
    Optics can be field modified (reversed) to illuminate room.

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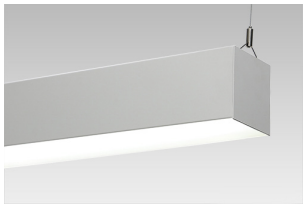
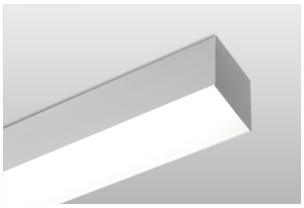
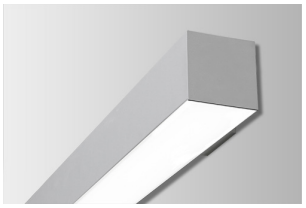
CUBE4



CABLE



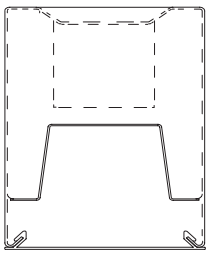
SURFACE



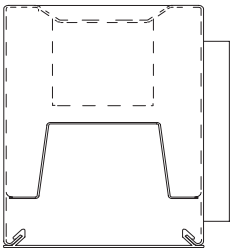
WALL

- MOUNTING DETAILS

Surface



Wall



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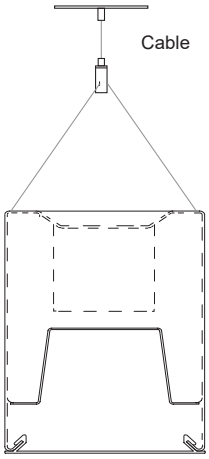
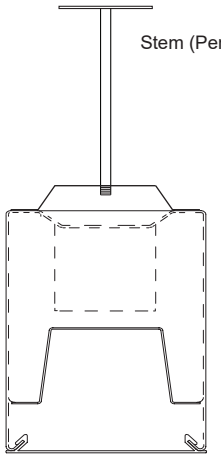
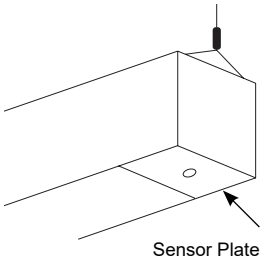


Stem (Pendent)



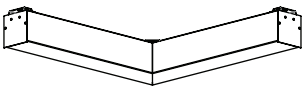


Sensor Plate

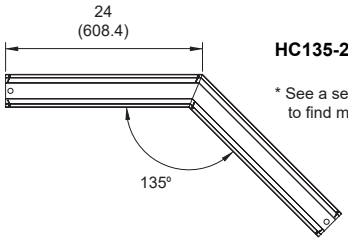
Lutron Vive Integral
fixture control installation

EasySense
fixture-mount installation

- LIT CONNECTOR



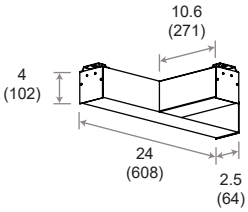
HC90-11
HC90-12
HC90-21
HC90-22



HC135-22

* See a separate CUBE4-HC90 spec sheet to find more information.

* See a separate CUBE4-HC90 spec sheet to find more information.



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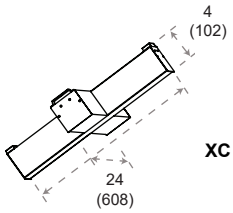

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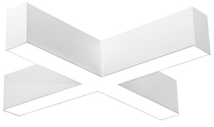

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CUBE4

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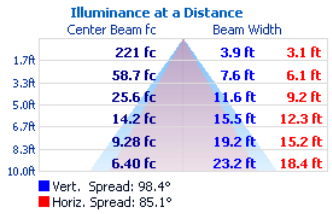

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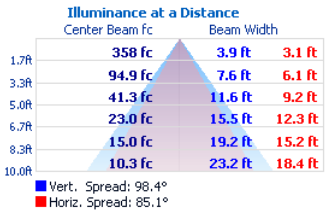

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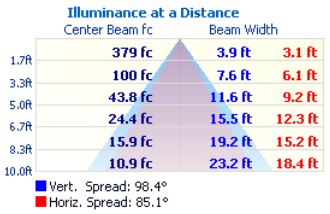

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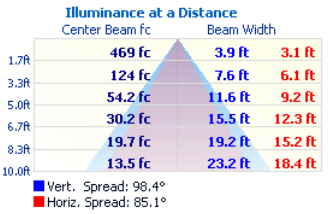

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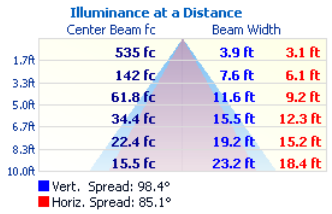

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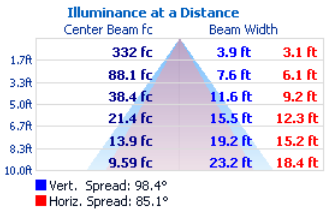

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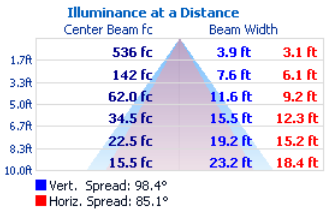

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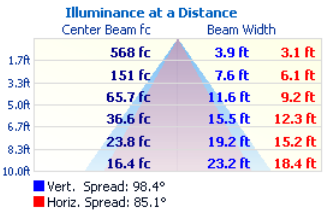

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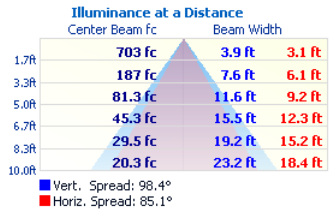

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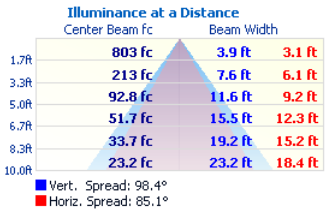

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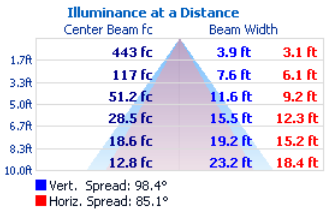

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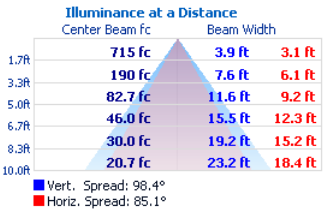

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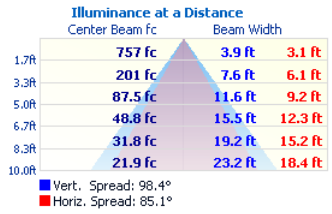

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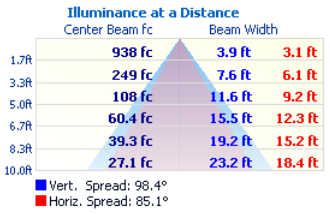

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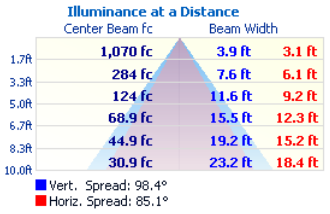

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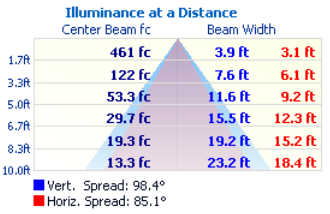

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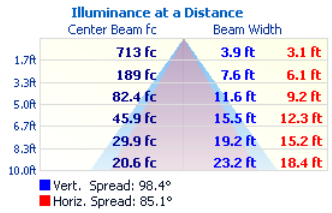

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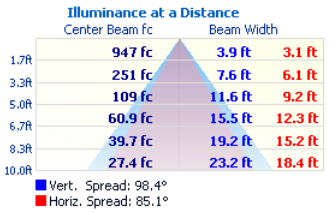

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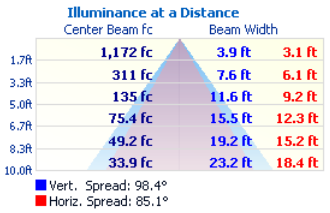

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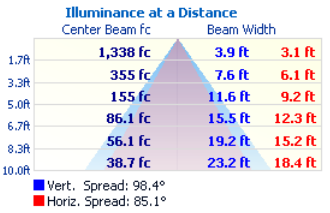

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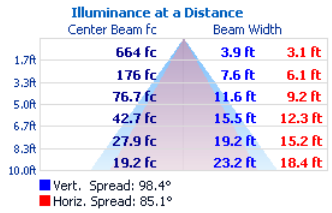

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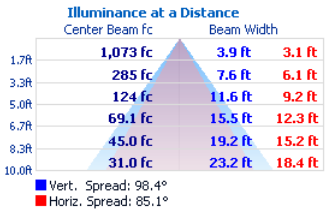

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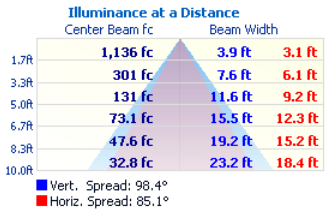

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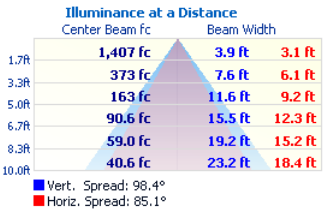

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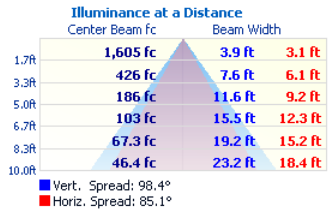
CUBE4

CUBE4-6-54L



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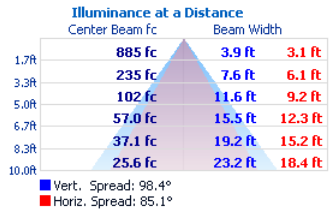

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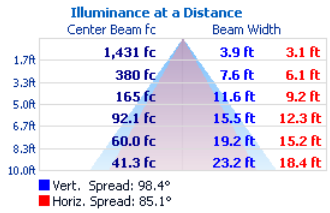

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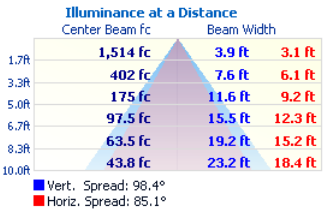

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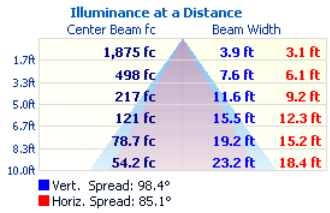

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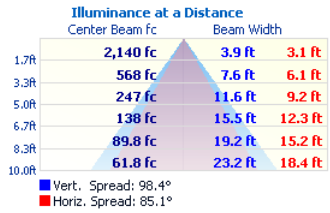

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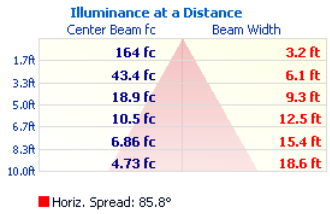

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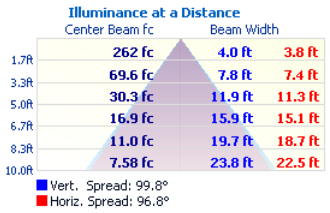

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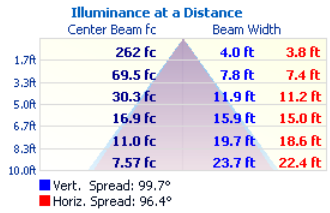

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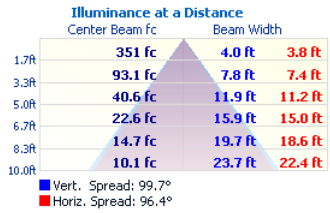

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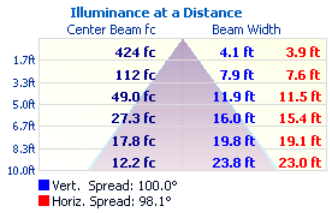

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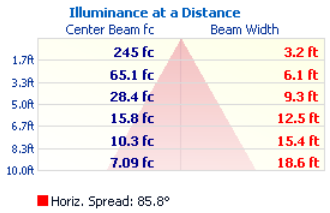

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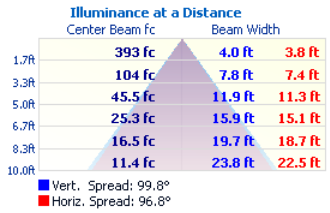

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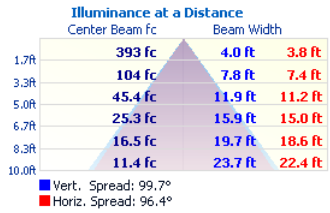

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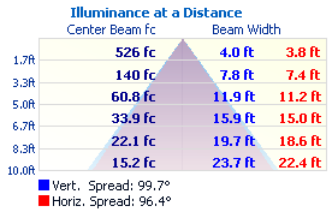

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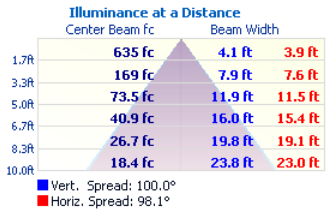

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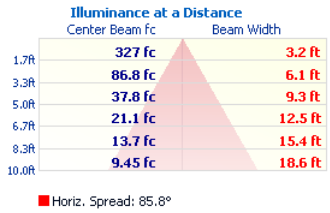

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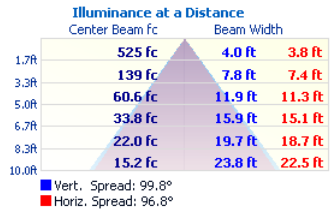

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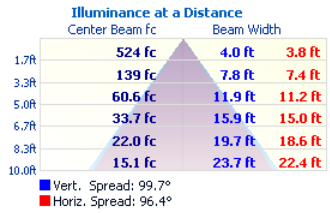

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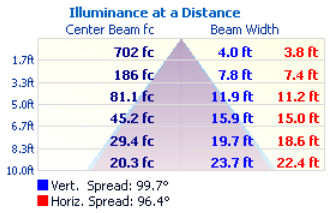

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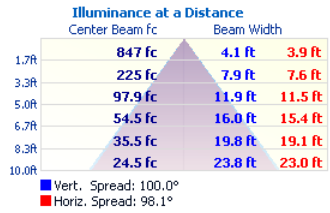

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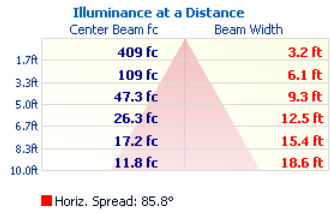

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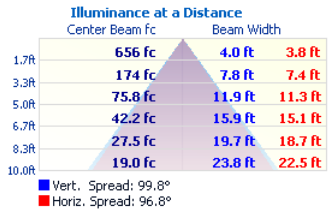

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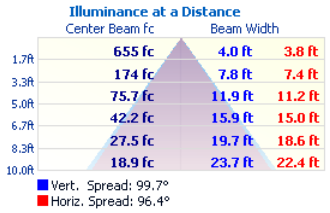

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CUBE4

CUBE4-5-36L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	877 fc	4.0 ft	3.8 ft
3.3ft	233 fc	7.8 ft	7.4 ft
5.0ft	101 fc	11.9 ft	11.2 ft
6.7ft	56.5 fc	15.9 ft	15.0 ft
8.3ft	36.8 fc	19.7 ft	18.6 ft
10.0ft	25.3 fc	23.7 ft	22.4 ft

Vert. Spread: 99.7°
Horiz. Spread: 96.4°

CUBE4-5-48L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	1,101 fc	4.1 ft	3.9 ft
3.3ft	292 fc	7.9 ft	7.6 ft
5.0ft	127 fc	11.9 ft	11.5 ft
6.7ft	70.9 fc	16.0 ft	15.4 ft
8.3ft	46.2 fc	19.8 ft	19.1 ft
10.0ft	31.8 fc	23.8 ft	23.0 ft

Vert. Spread: 100.0°
Horiz. Spread: 98.1°

CUBE4-6-18L/18L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	491 fc		3.2 ft
3.3ft	130 fc		6.1 ft
5.0ft	56.7 fc		9.3 ft
6.7ft	31.6 fc		12.5 ft
8.3ft	20.6 fc		15.4 ft
10.0ft	14.2 fc		18.6 ft

Horiz. Spread: 85.8°

CUBE4-6-27L/18L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	787 fc	4.0 ft	3.8 ft
3.3ft	209 fc	7.8 ft	7.4 ft
5.0ft	91.0 fc	11.9 ft	11.3 ft
6.7ft	50.7 fc	15.9 ft	15.1 ft
8.3ft	33.0 fc	19.7 ft	18.7 ft
10.0ft	22.7 fc	23.8 ft	22.5 ft

Vert. Spread: 99.8°
Horiz. Spread: 96.8°

CUBE4-6-27L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	786 fc	4.0 ft	3.8 ft
3.3ft	209 fc	7.8 ft	7.4 ft
5.0ft	90.9 fc	11.9 ft	11.2 ft
6.7ft	50.6 fc	15.9 ft	15.0 ft
8.3ft	33.0 fc	19.7 ft	18.6 ft
10.0ft	22.7 fc	23.7 ft	22.4 ft

Vert. Spread: 99.7°
Horiz. Spread: 96.4°

CUBE4-6-36L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	1,052 fc	4.0 ft	3.8 ft
3.3ft	279 fc	7.8 ft	7.4 ft
5.0ft	122 fc	11.9 ft	11.2 ft
6.7ft	67.8 fc	15.9 ft	15.0 ft
8.3ft	44.1 fc	19.7 ft	18.6 ft
10.0ft	30.4 fc	23.7 ft	22.4 ft

Vert. Spread: 99.7°
Horiz. Spread: 96.4°

CUBE4-6-48L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	1,271 fc	4.1 ft	3.9 ft
3.3ft	337 fc	7.9 ft	7.6 ft
5.0ft	147 fc	11.9 ft	11.5 ft
6.7ft	81.8 fc	16.0 ft	15.4 ft
8.3ft	53.3 fc	19.8 ft	19.1 ft
10.0ft	36.7 fc	23.8 ft	23.0 ft

Vert. Spread: 100.0°
Horiz. Spread: 98.1°

CUBE4-8-18L/18L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	654 fc		3.2 ft
3.3ft	174 fc		6.1 ft
5.0ft	75.6 fc		9.3 ft
6.7ft	42.1 fc		12.5 ft
8.3ft	27.4 fc		15.4 ft
10.0ft	18.9 fc		18.6 ft

Horiz. Spread: 85.8°

CUBE4-8-27L/18L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	1,049 fc	4.0 ft	3.8 ft
3.3ft	278 fc	7.8 ft	7.4 ft
5.0ft	121 fc	11.9 ft	11.3 ft
6.7ft	67.5 fc	15.9 ft	15.1 ft
8.3ft	44.0 fc	19.7 ft	18.7 ft
10.0ft	30.3 fc	23.8 ft	22.5 ft

Vert. Spread: 99.8°
Horiz. Spread: 96.8°

CUBE4-8-27L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	1,048 fc	4.0 ft	3.8 ft
3.3ft	278 fc	7.8 ft	7.4 ft
5.0ft	121 fc	11.9 ft	11.2 ft
6.7ft	67.5 fc	15.9 ft	15.0 ft
8.3ft	44.0 fc	19.7 ft	18.6 ft
10.0ft	30.3 fc	23.7 ft	22.4 ft

Vert. Spread: 99.7°
Horiz. Spread: 96.4°

CUBE4-8-36L/27L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	1,403 fc	4.0 ft	3.8 ft
3.3ft	372 fc	7.8 ft	7.4 ft
5.0ft	162 fc	11.9 ft	11.2 ft
6.7ft	90.3 fc	15.9 ft	15.0 ft
8.3ft	58.9 fc	19.7 ft	18.6 ft
10.0ft	40.6 fc	23.7 ft	22.4 ft

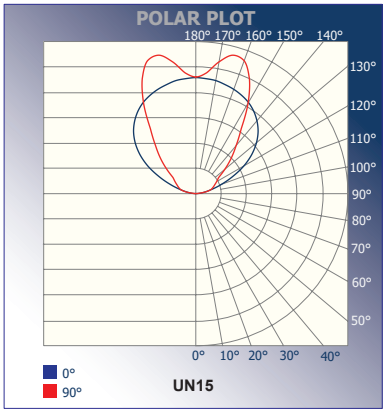
Vert. Spread: 99.7°
Horiz. Spread: 96.4°

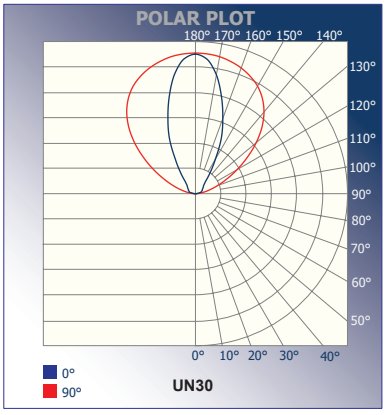
CUBE4-8-48L/27L

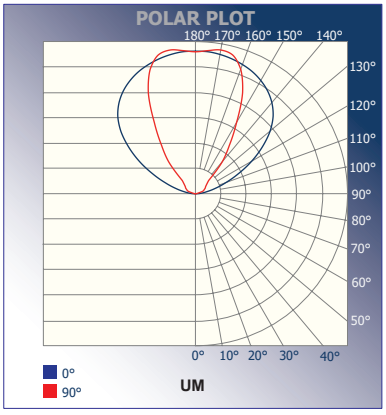
Illuminance at a Distance

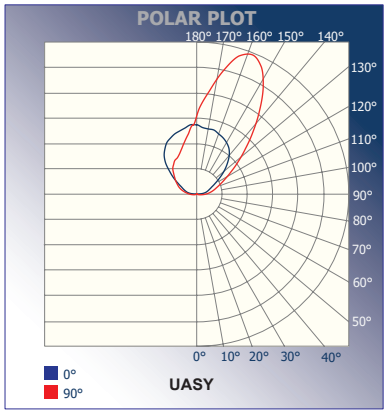
	Center Beam fc	Beam Width	
1.7ft	1,694 fc	4.1 ft	3.9 ft
3.3ft	450 fc	7.9 ft	7.6 ft
5.0ft	196 fc	11.9 ft	11.5 ft
6.7ft	109 fc	16.0 ft	15.4 ft
8.3ft	71.1 fc	19.8 ft	19.1 ft
10.0ft	49.0 fc	23.8 ft	23.0 ft

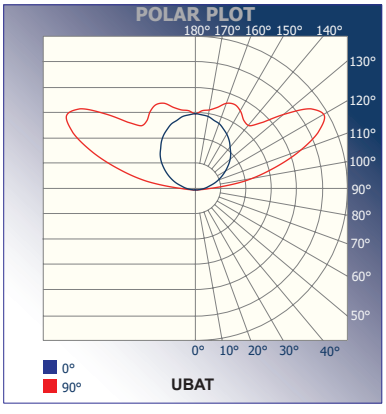
Vert. Spread: 100.0°
Horiz. Spread: 98.1°











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CUBE4

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
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.

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CUBE 4 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).

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