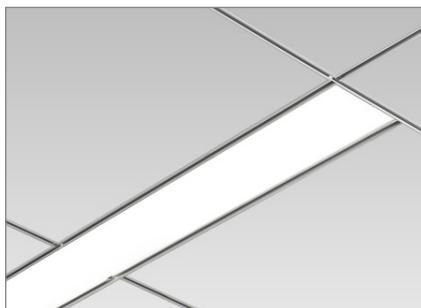


CUBE4



CASAMBI

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:

- Compatible with most ceiling including T-bar, screw slot and drywall.

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.
- DLC listed.²⁸
- Listed to UL 1598 and UL 8750.
- UL listed for dry & damp location.
- CEC Compliant EM (please contact for more information)
- Assembled in USA (optional).
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty (optional).⁷
- CCEA City of Chicago Environmental Air approved (optional).
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	Model #	AC Input	Lumen Output (Down)	Lumen Efficiency
CUBE4	2'	18L	9.9W	1209.58 lm (100%)	122.18 lm/W
		27L	14.85W	1868.7 lm (100%)	125.84 lm/W
		36L	19.8W	2482.1 lm (100%)	125.36 lm/W
		48L	26.4W	3073.65 lm (100%)	116.4 lm/W
		54L	29.7W	3507.57 lm (100%)	118.10 lm/W
	3'	18L	14.85W	1814.3 lm (100%)	122.18 lm/W
		27L	22.27W	2802.45 lm (100%)	125.84 lm/W
		36L	29.7W	3723.19 lm (100%)	125.36 lm/W
		48L	39.6W	4610.48 lm (100%)	116.4 lm/W
		54L	44.55W	5261.3 lm (100%)	118.10 lm/W
	4'	18L	19.8W	2419.2 lm (100%)	122.18 lm/W
		27L	29.7W	3737.5 lm (100%)	125.84 lm/W
		36L	39.6W	4964.4 lm (100%)	125.36 lm/W
		48L	52.8W	6147.4 lm (100%)	116.4 lm/W
		54L	59.4W	7015.7 lm (100%)	118.10 lm/W
	5'	18L	24.75W	3023.9 lm (100%)	122.18 lm/W
		27L	37.13W	4672.4 lm (100%)	125.84 lm/W
		36L	49.5W	6205.3 lm (100%)	125.36 lm/W
		48L	66W	7682.4 lm (100%)	116.4 lm/W
		54L	74.25W	8768.9 lm (100%)	118.10 lm/W
	6'	18L	29.7W	3628.7 lm (100%)	122.18 lm/W
		27L	44.55W	5606.1 lm (100%)	125.84 lm/W
		36L	59.4W	7446.38 lm (100%)	125.36 lm/W
		48L	79.2W	9220.96 lm (100%)	116.4 lm/W
		54L	89.1W	10522.71 lm (100%)	118.10 lm/W
	8'	18L	39.6W	4838.3 lm (100%)	122.18 lm/W
		27L	59.4W	7474.89 lm (100%)	125.84 lm/W
		36L	79.2W	9928.5 lm (100%)	125.36 lm/W
		48L	105.6W	12294.6 lm (100%)	116.4 lm/W
		54L	118.8W	14030.28 lm (100%)	118.10 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%

CUBE4

WEIGHT

Item	lbs	kg
CUBE 4 2FT DRYWALL	9.49	4.31
CUBE 4 3FT DRYWALL	13.54	6.14
CUBE 4 4FT DRYWALL	16.89	7.66
CUBE 4 8FT DRYWALL	30.52	13.85
CUBE 4 4FT G1	15.15	6.87
CUBE 4 8FT G1	28.35	12.86
CUBE 4 4FT SS	14.76	6.70
CUBE 4 8FT SS	27.11	12.30
CUBE 4 HC90 DRYWALL	19.49	8.84
CUBE 4 X DRYWALL	21.37	9.70
CUBE 4 T DRYWALL	16.20	7.35

ORDERING INFORMATION

EXAMPLE: CUBE4-IND-4-D27L-30K-FT-UNV-STB

MODEL	ROW ¹			SECTION ²	LED Downlight (per/4ft section)			COLOR TEMP.	
CUBE4-IND (Individual Mount) CUBE4-CON (Continuous Row Mount)	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 ⁵	D18L D27L D36L D48L D54L	18W LED (665 lm/ft) 27W LED (825 lm/ft) 36W LED (1140 lm/ft) 48W LED (1371 lm/ft) 54W LED (1614 lm/ft)		-27K -30K -35K -40K -50K	2700K ¹² 3000K 3500K 4000K 5000K
CUBE4-CM (Custom)	Must provide a sketch on the last page								

CRI		MOUNTING		PERIMETER		VOLTAGE		EM SECTION ⁶		FINISH ¹³	
(Blank) C9	80+ CRI 90+ CRI ¹¹	G1 SS FT SF NFR	9/16", 15/16", 1" T-bar Ceiling Grid ²⁰ 9/16" Screw Slot, 9/16" T-bar with Tegular tile ceiling Standard 1/2" Flange ^{3,21} Spackle Flange (Trimless) ^{3,14,21} Non-flanged Recessed	(Blank) PER	Non-perimeter (Std.) Perimeter	UNV 120 277 347	120-277V 120V 277V 347V ²³	(Blank) 1SE 2SE xSE	None EM 1 Section 2 Section x Section	(Blank) *BK *SV **CC *CSS *AMB	Matte White RAL #9003 (Std.) Black RAL #9011 Silver (RAL #9022) Custom Color ¹⁷ Custom Canopy Color (White is Std.) Anti-Microbial Coating (Matte Skye White)

* Non-standard finish with extra charge.
** CC: additional charge & set up fee. Provide RAL# code.

LED DRIVER

(Blank) ES566 SD40 SDXX PHSR PHDL EC TDM TD30/70 TDXX/YY	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously) eidoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim 40% / 100% Bi-Level Step dim XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) Philips Xitanium Sensor-Ready, Dali 5%~100% dim. Philips Xitanium DALI driver, Dim to 5% eidoLED EC0drive 0-10V natural dim to 1% (Hybrid HydraDrive) Triac Dim. (120V only) 30% / 70% / 100% Tri-Level Step dim XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)	LDE1 ELV TRIOT DTO DMX DLM LTEA2W	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) Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface 0-10V DIM-TO-OF DMX512 control system (Only available with RGB+W option) Wattstopper's DLM interface (Only available with RGB+W option) Hi-lume 1% 2-wire LED driver (120V forward phase only) ²⁵	BLT	Bluetooth Mesh System (contact factory for more information)
--	--	--	---	------------	--

CUBE4

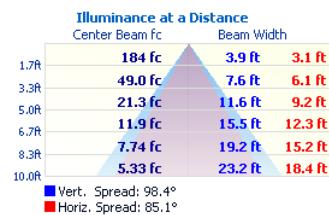
OPTIONS		LIGHTING CONTROL SYSTEM	
STB HC90-11 HC90-12 HC90-21 HC90-22 HC135-22 TC XC CW90 EMG8 EMG15 EMG20 EMG25 ELCU-200 GTD GTD10DIM GLR GMF ARRA BAA TAA O7W O10W AMS DPMS SO LSR-301-S LSR-301-P E1F E2F CCEA	Slip Through Bracket ⁴ 90° Horizontal Lit Connector, 1'x1' ^{22, 26} 90° Horizontal Lit Connector, 1'x2' ^{22, 26} 90° Horizontal Lit Connector, 2'x1' ^{22, 26} 90° Horizontal Lit Connector, 2'x2' ²⁶ 135° Horizontal Lit Connector, 2'x2' ^{22, 26} T-Type Lit Connector ²² X-Type Lit Connector ²² Ceiling to Wall corner connector ¹⁸ 1296 LUMEN EM Battery Backup (CEC Compliant EM) ⁹ 2430 LUMEN EM Battery Backup (CEC Compliant EM) ⁹ 3240 LUMEN EM Battery Backup (CEC Compliant EM) ⁹ 4050 LUMEN EM Battery Backup (CEC Compliant EM) ⁹ Fail-to-on Emergency lighting, UL924 ¹⁰ Bodine Generator Transfer Device Bodine Generator Transfer Device (0-10VDC Dimmer Override) Fast Blow Fuse ²⁴ Slow Blow Fuse ²⁴ Assembled in USA for Buy American Act BAA(Buy American Act) and BABA(Build America Buy America) compliant Trade Agreements Act compliant Optional 7 Years Limited Warranty ⁷ Optional 10 Years Limited Warranty ⁷ Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming ²⁹ Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) ²⁷ Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) ⁸ Setup Remote Control for DPMS (Required for DPMS) Occupant Remote Control for DPMS End feed on one end (Pre-drilled hole for 1/2" fitting) End feed on both ends (Pre-drilled holes for 1/2" fitting) Chicago Plenum	LUTRON VIVE SNS200 RS-IR SU-5E RS-WS IFS105SE PPA102S CASAMBI	<p><u>Lutron Vive System Enabled</u></p>  Click Here! <p><u>EasySense</u></p> <p>EasySense Fixture-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{15, 19}</p> <p><u>Enlighted</u></p> <p>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) ¹⁶</p> <p><u>Enlighted Room controller</u></p> <p>Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability</p> <p><u>Bluetooth</u></p> <p>Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming Bluetooth Powerpack (Consult factory for installation location)</p> <p>Contact factory for CASAMBI READY options</p>

NOTES:

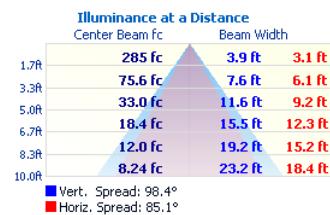
- Specify only when Continuous Row Mount.
- No need to select, if same as row length and section length.
- Requires # STB as standard.
- Standard with "FT" and "SF" mounting.
- Comes with 1pc 8ft lens.
- EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified. Must specify voltage, not available with 347V.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
- Contact factory for other emergency ballast options.
- Shipped separately.
- Lumen per watt is around 15% less than standard CRI (80+).
- Available with C9 (CRI 90+) only.
- Cord is available in white or black. (Black is not available for the EM option)
- Available with 4ft and 8ft only.
- See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
- "RS-WS" option can be added if wish to have a wall switch, please see Enlightened Room Controller in the separate attachment.
- Refer to color charts (RAL and/or Cardinal) in the separate attachment.
- Only applicable for FT and SF mounting option.
- Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
- Compatible with X1 ceiling type.
- Compatible with X2 ceiling type.
- Only available for -FT mounting application.
- 347V cannot work with Emergency Battery Backup.
- Must specify voltage, not available with 347V.
- Not available with any 1ft individual configuration due to space limitations.
- Refer to a separate CUBE4-HC90 spec sheet to find more information.
- Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
- 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.
- With TDM/ELV/SDxx/TDxx: Only available with line-voltage on/off occupancy sensor.

CUBE4

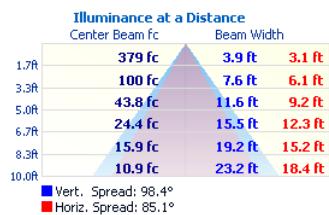
CUBE4-2-18L



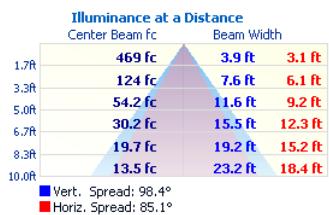
CUBE4-2-27L



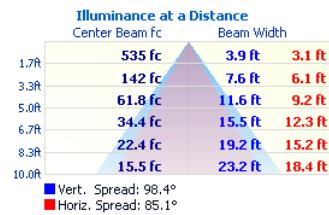
CUBE4-2-36L



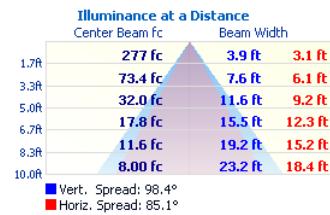
CUBE4-2-48L



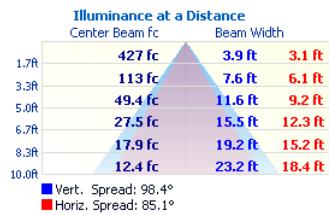
CUBE4-2-54L



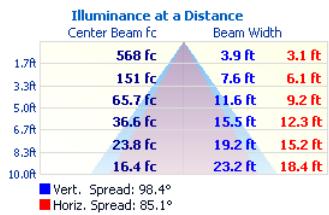
CUBE4-3-18L



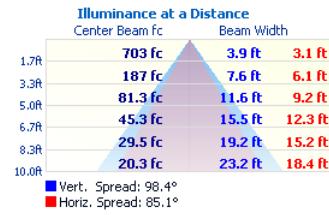
CUBE4-3-27L



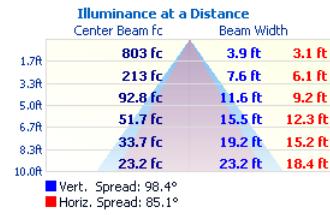
CUBE4-3-36L



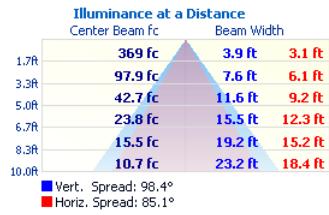
CUBE4-3-48L



CUBE4-3-54L



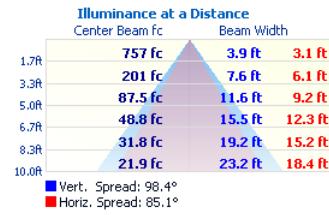
CUBE4-4-18L



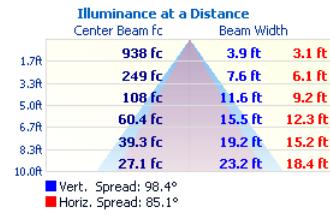
CUBE4-4-27L



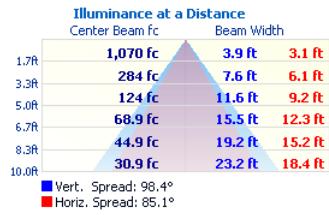
CUBE4-4-36L



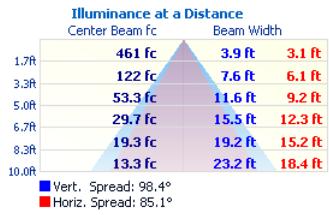
CUBE4-4-48L



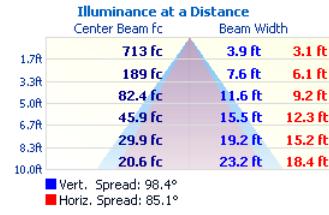
CUBE4-4-54L



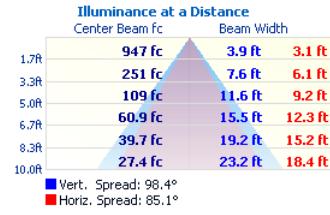
CUBE4-5-18L



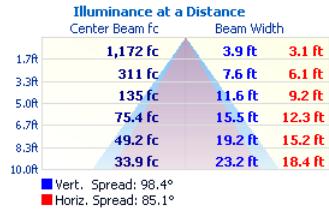
CUBE4-5-27L



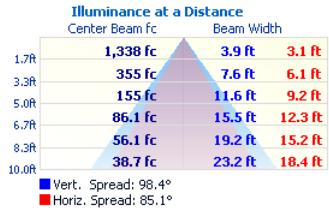
CUBE4-5-36L



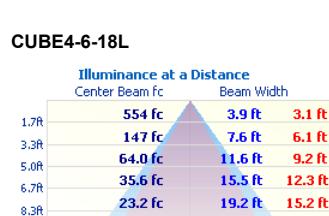
CUBE4-5-48L



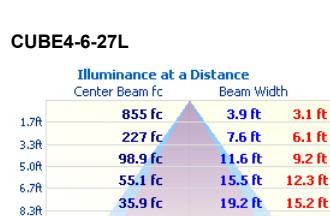
CUBE4-5-54L



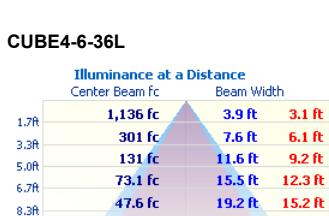
CUBE4-6-18L



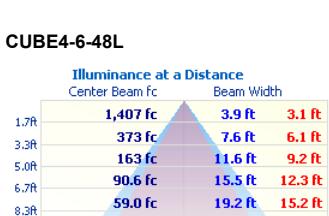
CUBE4-6-27L



CUBE4-6-36L

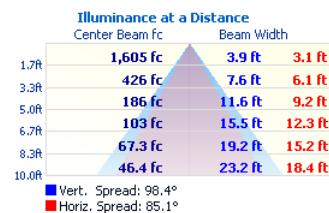


CUBE4-6-48L

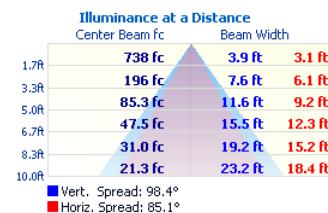


CUBE4

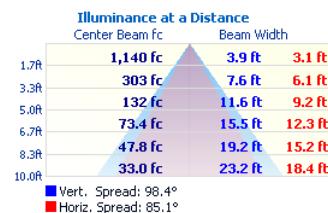
CUBE4-6-54L



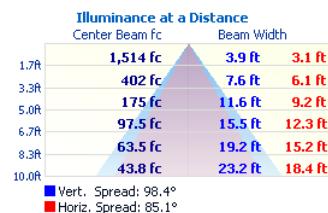
CUBE4-8-18L



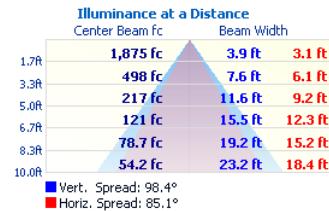
CUBE4-8-27L



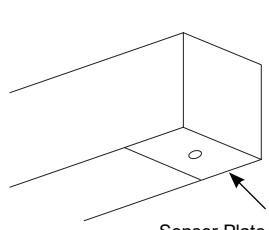
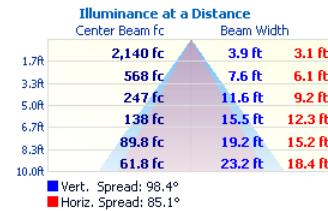
CUBE4-8-36L



CUBE4-8-48L



CUBE4-8-54L



Sensor Plate

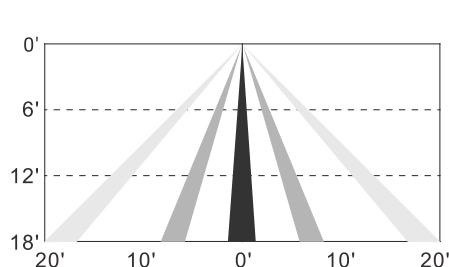


Lutron Vive Integral fixture control installation

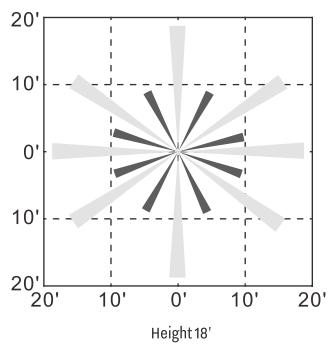


EasySense fixture-mount installation

SIDE VIEW



TOP VIEW

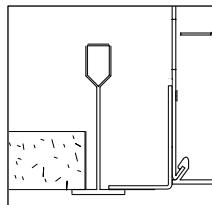


AMS, IFS105SE coverage pattern

CUBE4

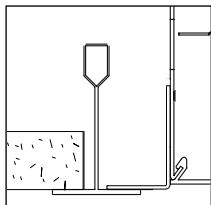
- MOUNTING DETAILS

9/16" Grid Mounting Options



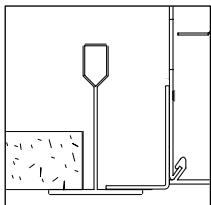
9/16" Grid, Standard Tile:
Specify G1 in part #

15/16" Grid Mounting Options



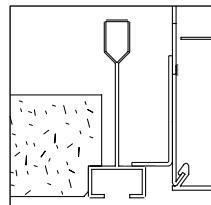
15/16" Grid, Standard Tile:
Specify G1 in part #

1" Grid Mounting Options



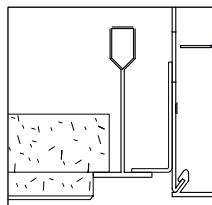
1" Grid, Standard Tile:
Specify G1 in part #

9/16" Screw Slot Mounting



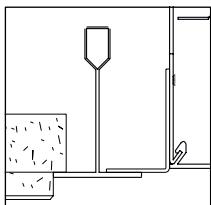
Screw Slot Grid:
Specify SS in part #

9/16" T-bar with Tegular Tile



9/16" T-bar with Tegular Tile:
Specify SS in part #

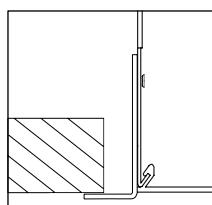
15/16" Grid with Tegular Tile



15/16" Grid with Tegular Tile:
Specify G1 in part #

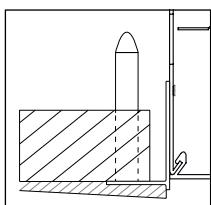
- DRYWALL RECESSED CEILING

Flanged Trim



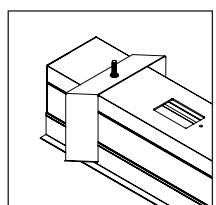
Exposed Flange Detail:
Specify FT in part #

Spackle Flanged Trim



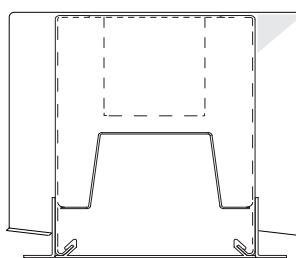
Specify SF in part #

Rotating Crossbar

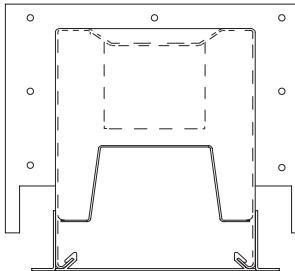


Rotating Crossbar is provided
with FT and SF type
as standard

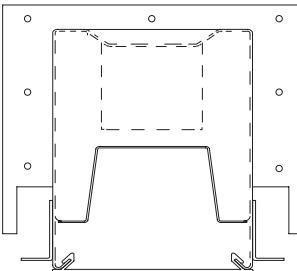
Drywall



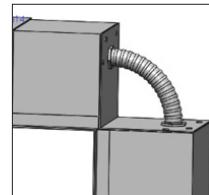
T-bar (G-1)



Screw Slot (SS)

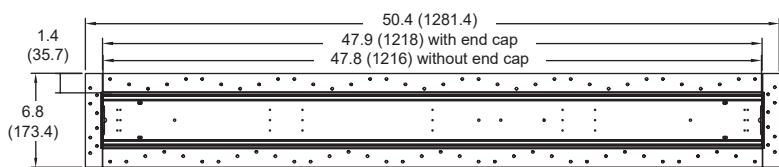
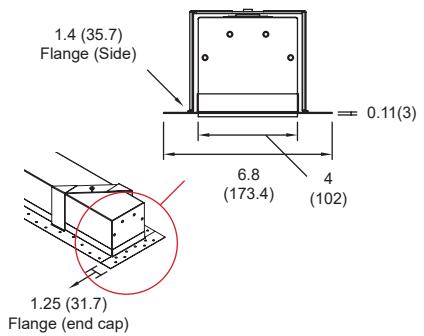
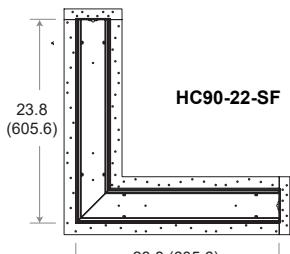
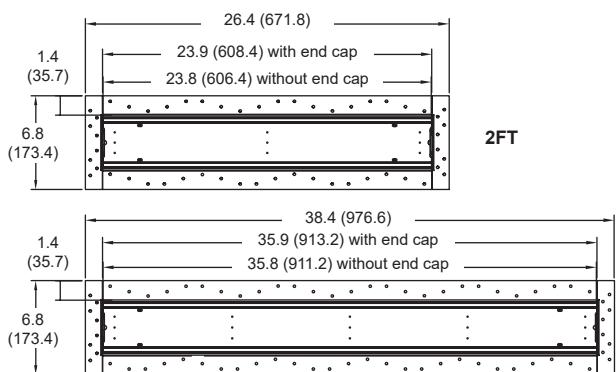


CW90

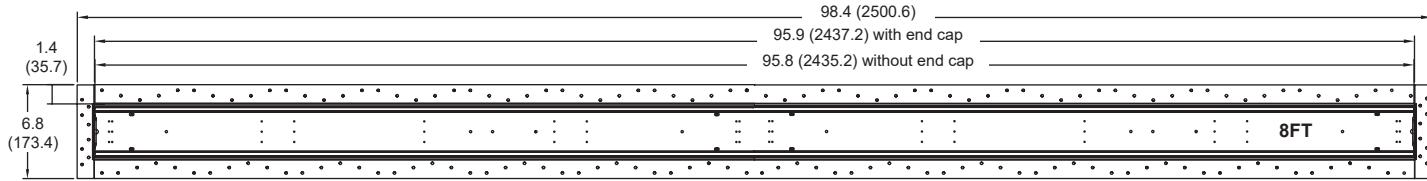
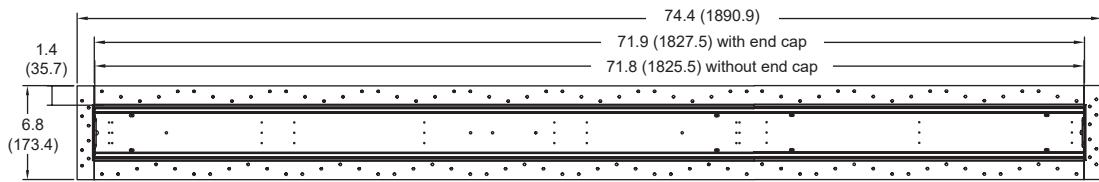
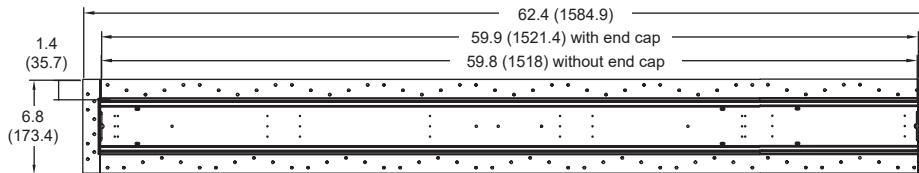


ARCHITECTURAL LINEAR RECESSED

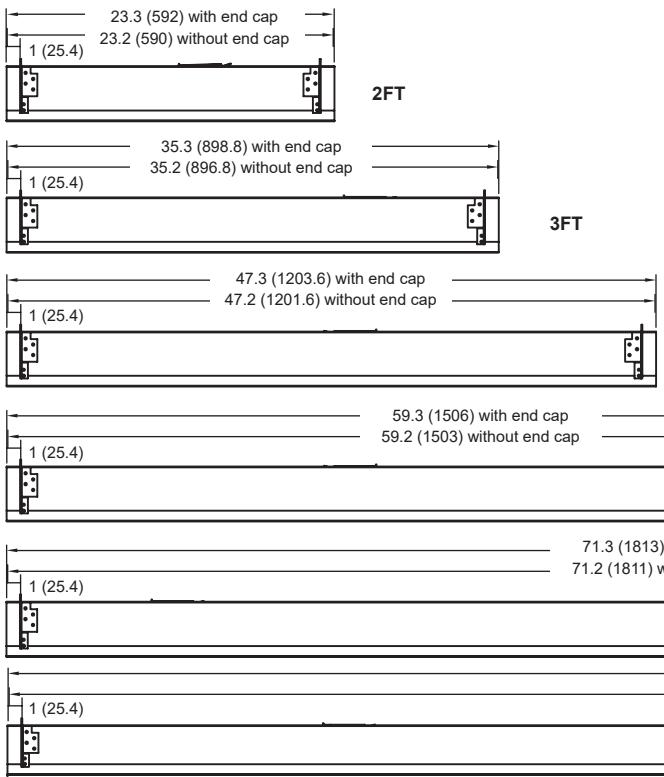
CUBE4-SF



All dimensions are in inches (millimeters).

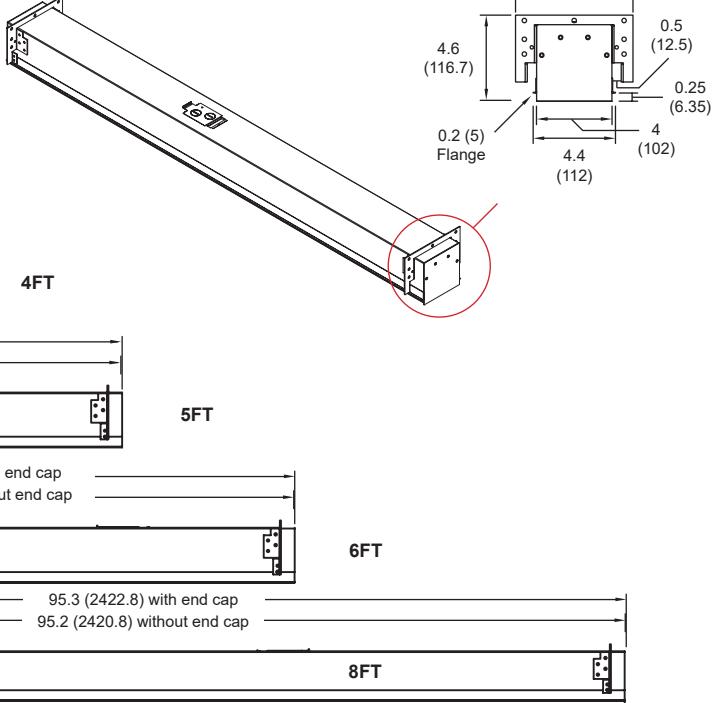


ARCHITECTURAL LINEAR RECESSED



CUBE4-SS

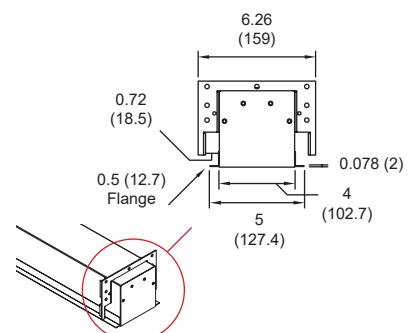
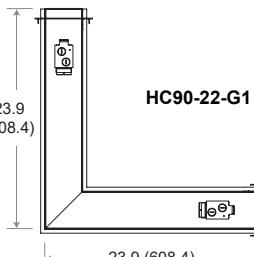
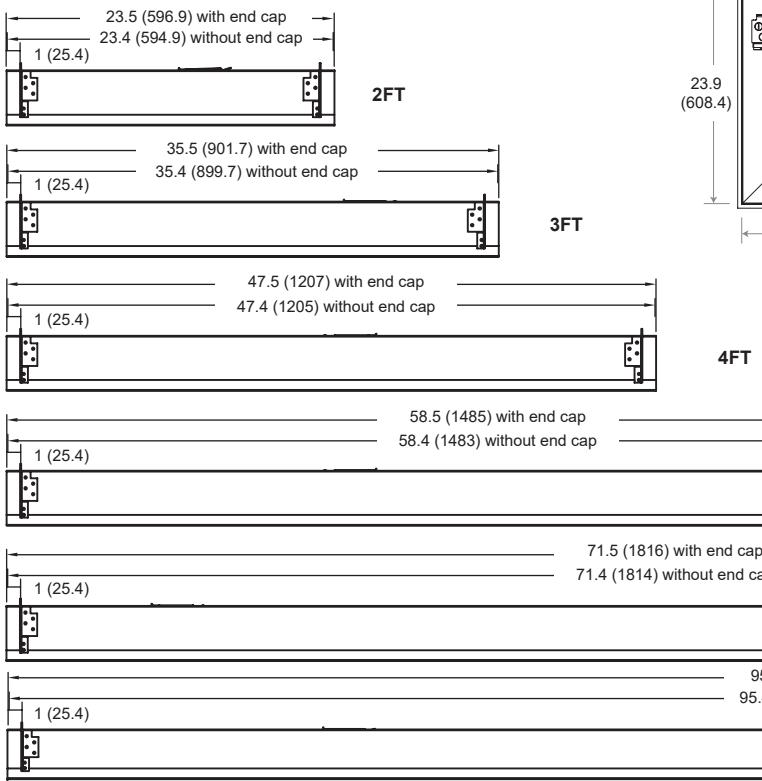
* All -CONs are designed to fit the standard ceiling grid.



All dimensions are in inches (millimeters).

CUBE4-G1

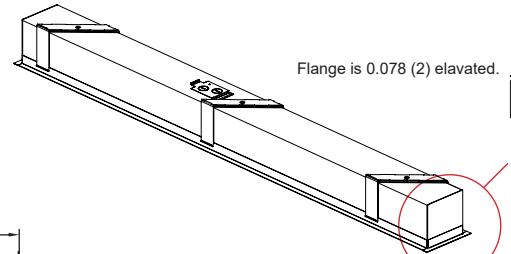
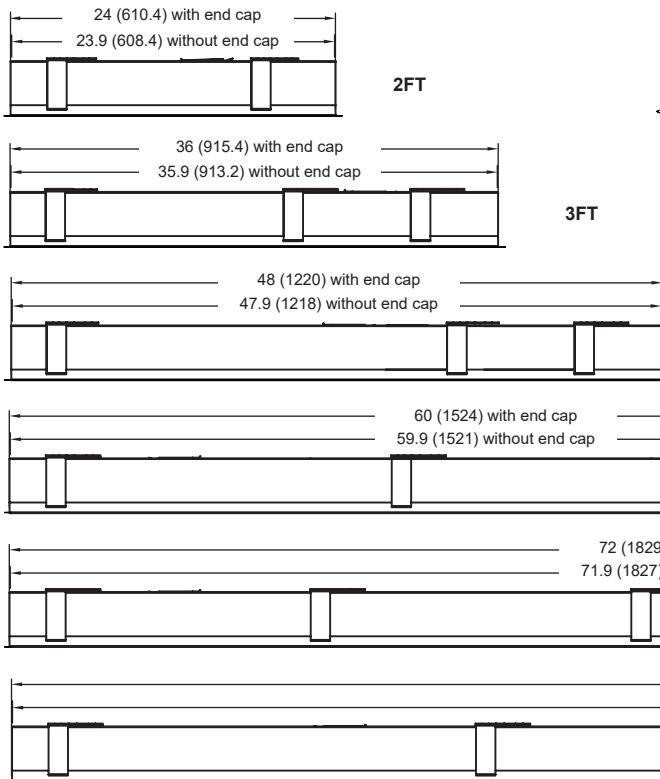
* All -CONs are designed to fit the standard ceiling grid.



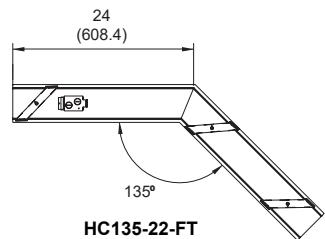
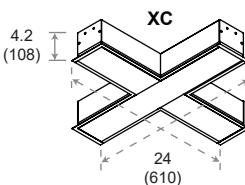
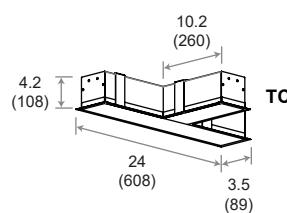
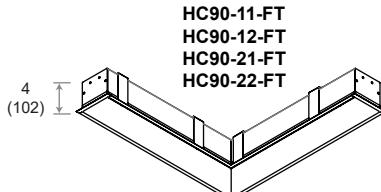
ARCHITECTURAL LINEAR RECESSED

CUBE4-FT

All dimensions are in inches (millimeters).



- LIT CONNECTOR



* See a separate CUBE2-HC90 spec sheet to find more information.

* See a separate CUBE2-HC90 spec sheet to find more information.

ARCHITECTURAL LINEAR RECESSED

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-*, GLPP-DIMFLV8-*, 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>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> 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 IP106-1LX, ToggleTouch TG106-1LW (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:

- 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.

ARCHITECTURAL LINEAR RECESSED

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).

