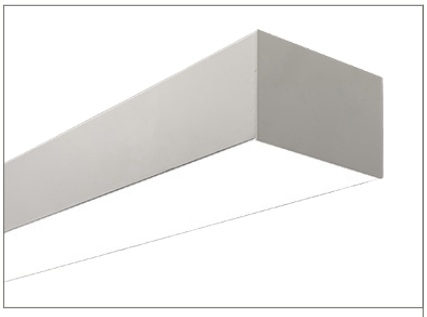
Revised: 11.03.26

CUBE6



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 and surface mount.
- Pendant mount is compatible with T-bar and drywall ceiling.

LED:

- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/ 5000 (K), and tunable white -275 (2700~5000K).
- 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%.
- Minimum starting temperature: -4°F (-20°C) ~ 122°F (50°C).

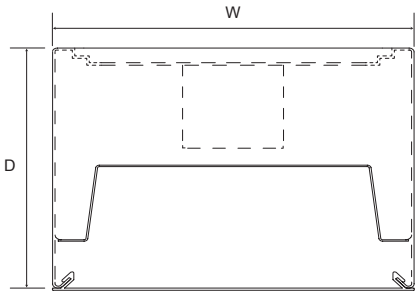
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

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.
- CEC Compliant EM (please contact for more information)
- Assembled in USA (optional)
- 5 years limited warranty.
- 7 or 10 years limited warranty (optional). [9]



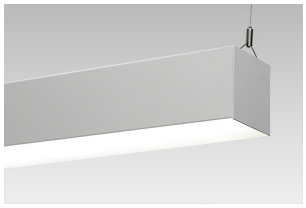
Specifications: CUBE6

Width: 6 (152.4)
Depth: 4 (101)

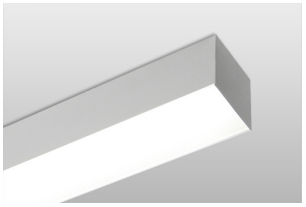
All dimensions are in inches (millimeters).

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%

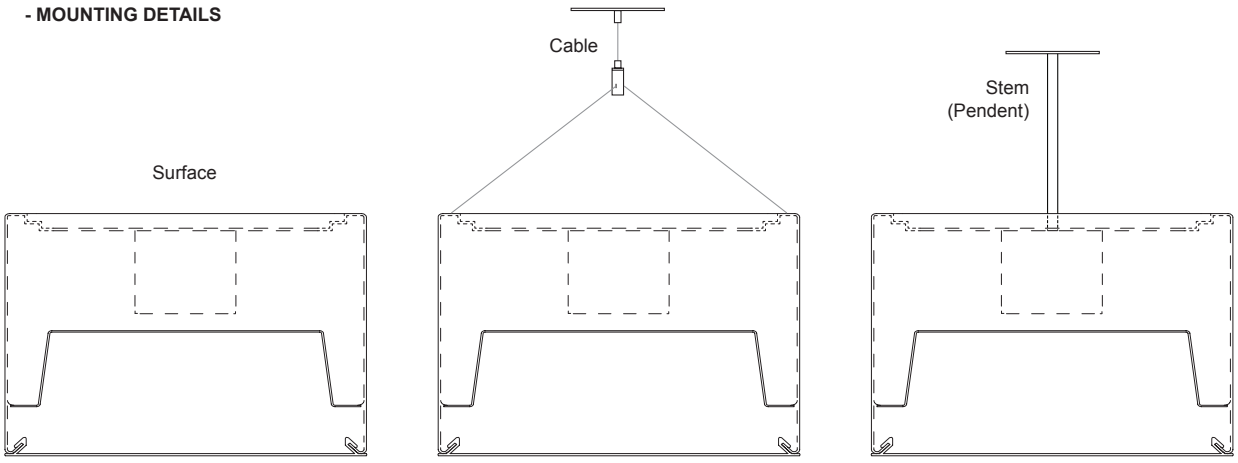


CABLE



SURFACE

- MOUNTING DETAILS



UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice.

ORDERING INFORMATION

EXAMPLE: *CUBE6-IND-4-D27L/U18L-30-X1-UNV*

MODEL	ROW [1]		SECTION [2]		LED Downlight (per/4ft section)		LED Uplight [3] (per/4ft section)		COLOR TEMP.		SEPARATE CCT.	
CUBE6-IND (Individual Mount) **CUBE6-CON** (Continuous Row Mount)	**xx'**	Specify nominal overall row length in 1' increments (Continuous runs)	**4** **8**	4' Length 8' Length	**D18L** **D27L** **D36L** **D48L** **D54L**	18W LED 27W LED 36W LED 48W LED 54W LED	**(Blank)** **/U18L** **/U27L**	No Uplight 18W LED 27W LED	**(Blank)** **-27** **-30** **-35** **-40** **-50** **-275**	Leave blank if you wish to have different CCT for up and down, and fill out next section. 2700K [12] 3000K 3500K 4000K 5000K Tunable white 2700-5000K [16]	**(Blank)** **DXXUYY**	Leave blank if you chose to have the same CCT for up and down in the previous section. Indicate 27,30,35,40, or 50 for XX and YY (D represents Downlight, U represents Uplight).

* Maximum wattage per 4ft section
- pendant/wall mount : 75W(up & down light)
* Contact factory for custom wattage or lumen requirement.

CRI		MOUNTING		VOLTAGE		EM SECTION [4]		FINISH [13]		CEILING TYPE (for pendant)	
(Blank) **C9**	80+ CRI 90+ CRI [11]	**(Blank)** **S**	Pendant Ceiling Surface	**UNV** **120** **277**	120-277V 120V 277V	**(Blank)** **1SE** **2SE** **xSE**	None EM 1 Section 2 Section x Section	**(Blank)** **BK** **SV** **CC** **CSS**	Matte White RAL #9003 (Std.) Black RAL #9011 Silver RAL #9022 Custom Color [17] Custom Canopy Color (White is Std.) *Non-standard finish with extra charge.	**X1** **X2**	T-bar ceiling Hard ceiling

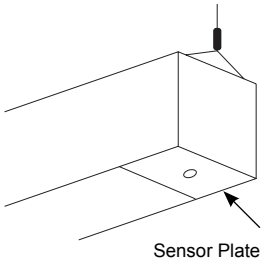
SUSPENSION LENGTH		DIMMING			
AC48	Adjustable Aircraft Cable Canopy 48"L	**(Blank)**	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	**TD30/70**	30% / 70% / 100% Tri-Level Step dim
		UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) [5]	**TDXX/YY**	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)
AC96	Adjustable Aircraft Cable Canopy 96"L	**ES566**	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	**LDE5**	5-Series EcoSystem LED driver, 100% ~ 5% dim
ST24	Stem Canopy 24"L	**SD40**	40% / 100% Bi-Level Step dim	**LDE1**	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
ST48	Stem Canopy 48"L	**SDXX**	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)		
		PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	**ELV**	ELV compatible (reverse-phase or trailing-edge)
		PHDL	Philips Xitanium DALI driver, Dim to 5%	**TRIOT**	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface
		ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%		
		EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	**DTO**	0-10V DIM-TO-OFF
		MU050	0-10V dual channel, 0.1% ~ 100%		
		TDM	Triac Dim. (120V only)		

* Contact factory for custom length. 1 pair (2 aircraft cables) standard for up to 8' length.

OPTIONS		LIGHTING CONTROL SYSTEM			
EMG5	5W EM Battery Backup (CEC Compliant EM) [9]		<u>Lutron Vive System Enabled</u>		<u>EasySense</u>
EMG8	8W EM Battery Backup (CEC Compliant EM) [9]	**VDO**	Vive Integral fixture control (RF with daylight and occupancy sensing), (Must be ordered with EcoSystem drivers or PHSR) [19]	**SNS200**	EasySense Fixture-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [14, 18]
EMG16	16W EM Battery Backup (CEC Compliant EM) [9]	**VRF**	Vive Integral fixture control (RF only), (Must be ordered with EcoSystem drivers or PHSR)	**RS-IR**	IR dongle v2.0 for EasySense control
ELCU-200	Fail-to-on Emergency lighting, UL924 [10]	**FCJS0**	Vive Attached fixture control (RF only for 0-10V drivers)		<u>Enlighted</u>
ARRA	Assembled in USA for Buy American Act	**FCJSE**	Vive Attached fixture control (RF only for Lutron EcoSystem drivers)	**SU-5E**	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) [15]
O7W	Optional 7 Years Limited Warranty [6]	**FCJS0EM**	UL 924 Emergency PowPak wireless fixture control for 0-10V drivers		
O10W	Optional 10 Years Limited Warranty [6]	**FCJSEEM**	UL 924 Emergency PowPak wireless fixture control for Ecosystem drivers	**RS-WS**	Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability
AMS	Occupancy Sensor w/ Daylight Harvesting (max. 8' detection mounting height with 14' coverage) [7]				
DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control) [7]				
SO	Dimming Wires connected to Sensor Only [8]				
LSR-301-S	Setup Remote Control for DPMS				
LSR-301-P	Occupant Remote Control for DPMS				
COC	Separated EM feed for City of Chicago code compliance				
UPC	Indirect Light Cover				

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. EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified. Must specify voltage, not available with 347V.
5. 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.
6. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
7. Provided dimming wires for sensor and dimmer switch as a standard. Dimmer switch provided by others.
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. Must be ordered with either ED560 or MU050 driver.
17. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
18. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
19. See VDO data sheet to find its default setting.

CUBE6



Sensor Plate



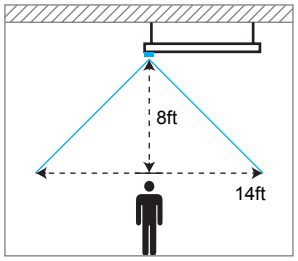
Lutron Vive Integral
fixture control installation



EasySense
fixture-mount installation



UPC



AMS

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
LDE5	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
LDE1	Lutron Hi-lume 1% EcoSystem		
MU050	Moons Intelligent indoor	<Lutron>	Diva - DVTV-xx, DVSTV-xx
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
ELV/ TDM	ERP	<Lutron>	S-603PG, DVCL-153P, DV-600P, TGCL-153P, S-600P, DVELV-303P, SELV-300P, TG-600P, LG-600P, CT-103P, MAELV-600, FAELV-500
		<Leviton>	IPI06-1LZ, 6631-2, VPE06,6683-IW, 6161, 6633-P, IPE04
		<Cooper>	DLC03P, SLC03P, DAL06P
		<Lightolier>	ZP260QEW

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.