

CUBE1

Project Name:	
Type:	



CASAMBI

APPLICATION

The CUBE1 is aluminum extruded narrow profile Architectural Linear fixture. It is used for multiple applications such as commercial, general office, banking, retail and educational environments.

FEATURES:

- One piece extruded aluminum housing with die-cast aluminum end caps.
- One piece extruded snap-in polycarbonate lens up to 8' run.
- Standard powder-coat textured white finish.

MOUNTING:

- Pendant, surface and wall mount.

LED:

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

ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- 0-10VDC 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.

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)
- ADA compliant (less than 4" off wall).
- Assembled in USA (optional).
- Trade Agreements Act compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ⁷

CONFIGURATIONS

Series	Size	Model #	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
CUBE1	2'	D9L	4.95W	544.5 lm	110 lm/W
		D18L	9.9W	1089 lm	
		D27L	14.85W	1633.5 lm	
		D36L	19.8W	2178 lm	
	3'	D9L	7.4W	814 lm	
		D18L	14.85W	1633.5 lm	
		D27L	22.2W	2442 lm	
		D36L	26.4W	2904 lm	
	4'	D9L	9.9W	1089 lm	
		D18L	19.8W	2178 lm	
		D27L	29.7W	3267 lm	
		D36L	39.6W	4356 lm	
	6'	D9L	14.85W	1633.5 lm	
		D18L	29.7W	3267 lm	
		D27L	44.55W	4900.5 lm	
		D36L	59.4W	6534 lm	
	8'	D9L	19.8W	2178 lm	
		D18L	39.6W	4356 lm	
		D27L	59.4W	6534 lm	
		D36L	79.2W	8712 lm	

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

Series	Size	Model #	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
CUBE1	2'	D9L/U9L	9.9W	1089 lm	110 lm/W
		D9L/U18L	14.85W	1634 lm	
		D18L/U18L	19.8W	2178 lm	
		D27L/U18L	24.75W	2723 lm	
	3'	D36L/U18L	25.25W	2778 lm	
		D36L/U27L	35.06W	3857 lm	
		D9L/U9L	14.8W	1628 lm	
		D9L/U18L	22.25W	2448 lm	
	4'	D18L/U18L	29.7W	3267 lm	
		D27L/U18L	37.0W	4070 lm	
		D36L/U18L	37.87W	4166 lm	
		D36L/U27L	52.53W	5778 lm	
	6'	D9L/U9L	19.8W	2178 lm	
		D9L/U18L	29.7W	3267 lm	
		D18L/U18L	39.6W	4356 lm	
		D27L/U18L	49.5W	5445 lm	
	8'	D36L/U18L	50.49W	5554 lm	
		D36L/U27L	70.13W	7714 lm	
		D9L/U9L	29.7W	3267 lm	
		D9L/U18L	44.55W	4901 lm	
		D18L/U18L	59.4W	6534 lm	
		D27L/U18L	74.2W	8162 lm	
		D36L/U18L	75.74W	8331 lm	
		D36L/U27L	105.19W	11571 lm	
		D9L/U9L	39.6W	4356 lm	
		D9L/U18L	59.4W	6534 lm	
		D18L/U18L	79.2W	8712 lm	
		D27L/U18L	99.0W	10890 lm	
		D36L/U18L	100.98W	11108 lm	
		D36L/U27L	140.25W	15428 lm	

ORDERING INFORMATION

EXAMPLE: CUBE1-IND-4-D18L-40K-UNV

MODEL	ROW ¹	SECTION ²	LED Downlight (per/4ft section)	LED Uplight (per/4ft section)	Uplight DISTRIBUTION
CUBE1-IND (Individual Mount) CUBE1-CON (Continuous Row Mount)	xx' Specify nominal overall row length in 1' increments (Continuous runs)	2 2' Length 3 3' Length 4 4' Length 6 6' Length 8 8' Length ³	D9L 9W LED (lm/ft) D18L 18W LED (lm/ft) D27L 27W LED (lm/ft) D36L 36W LED (lm/ft)	(Blank) No Uplight U9L 9W LED (lm/ft) U18L 18W LED (lm/ft) U27L 27W LED (lm/ft)	(Blank) No optic UN15 Uplight Narrow 15° UN30 Uplight Narrow 30° UM Uplight Medium 60° UASY Uplight Asymmetric 20° ¹² UBAT Uplight Batwing 120°
* 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.			* Maximum wattage per 4ft section: 63W * Contact factory for custom wattage or lumen requirement.		

COLOR TEMP.	SEPARATE CCT.	CRI	MOUNTING	VOLTAGE	EM SECTION ⁶
(Blank) Leave blank if you wish to have different CCT for up and down, and fill out next section -27K 2700K ⁴ -30K 3000K -35K 3500K -40K 4000K -50K 5000K	(Blank) DXXUY Skip for the same Up and Down CCT Indicate 27,30,35,40,50 for "xx" and "yy" (D - Downlight, U - Uplight)	(Blank) C9 80+ CRI C9 90+ CRI ⁵	(Blank) S Pendant C Ceiling W Surface W Wall	UNV 120-277V 120 120V 277 277V	(Blank) None EM 1SE 1 Section 2SE 2 Section xSE x Section

FIXTURE FINISH	CORD FINISH (for pendant)	CANOPY FINISH (for pendant)	CEILING TYPE (for pendant)	SUSPENSION LENGTH (for pendant)
(Blank) Matte White RAL #9003 (Std.) *BK Black RAL #9011 *SV Silver (RAL #9022) **CC Custom Color *AMB Anti-Microbial Coating (Matte Skye White)	(Blank) White (Std.) *BKC Black	(Blank) White (Std.) *BC Black Canopy *SC Silver Canopy **CSS Custom Canopy Color	X1 15/16" grid T-bar ceiling X2 Hard ceiling X3 Sloped Hard ceiling X4 9/16" T-bar ceiling X5 9/16" Screw Slot ceiling * add "FC" at the end of stem length for field cuttable stem kit (Ex) ST48FC)	AC48 Adjustable Aircraft Cable Canopy 48"L AC96 Adjustable Aircraft Cable Canopy 96"L ST24 Stem Canopy 24"L ST48 Stem Canopy 48"L
* Non-standard finish with extra charge. ** Additional charge & set up fee.				

LED DRIVER	OPTIONS
(Blank) 0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously) (dim both downlight and uplight simultaneously) UDSD Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) SP Separate Power Control for Uplight and Downlight ES566 eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim PHDL Philips Xitanium DALI driver, Dim to 5% ED560 eldoLED LightShape DALI dim to dark, 0.1% ~ 100% TDM Triac Dim. (120V only) ELV ELV Dim (reverse-phase or trailing-edge) (120V only) LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim	EMG8 1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{7,8,9} EMG15 2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{7,8,9} EMG20 3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{7,8,9} EMG25 4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{7,8,9} ELCU-200 Fail-to-on Emergency lighting, UL924 ¹⁰ ARRA Assembled in USA for Buy American Act BAA BAA(Buy American Act) and BABA(Build America Buy America) compliant TAA Trade Agreements Act compliant O7W Optional 7 Years Limited Warranty ¹¹ O10W Optional 10 Years Limited Warranty ¹¹

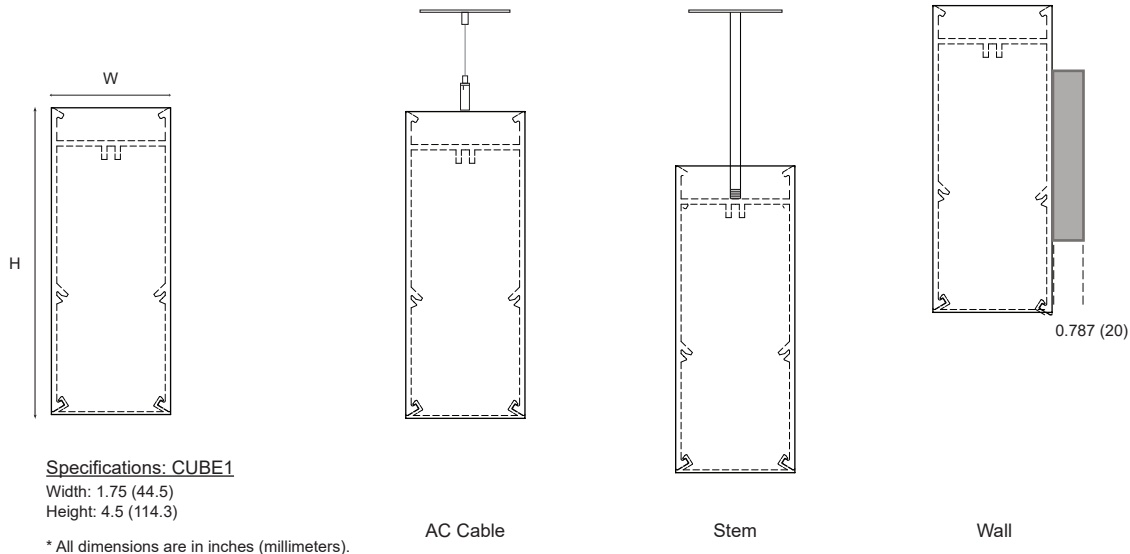
CONTROLS
AMS <Integrated Sensors> DPMS Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming ¹⁴ Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) ¹³ ** Contact factory for other control options. CASAMBI Contact factory for CASAMBI READY options

NOTES:

- Specify only when Continuous Row Mount.
- Skip if row and section length are the same.
- Comes with 1pc 8ft lens.
- Available with C9 (CRI 90+) only.
- Lumen per watt is about 15% less than standard CRI 80+.
- EM is installed in last 4' of luminaire section. Separate section required must specify 2SE or xSE. Must specify voltage, not available with 347V.
- Contact factory for other emergency ballast options.
- Must specify voltage 120/277V, not available with 347V.
- Integrated installation may not be available with 2ft & 3ft luminaire due to space limitation. Can be remote mounted and remote box by others.
- Shipped separately.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Standard optic illuminates the wall. Optics can be field modified (reversed) to illuminate room.
- Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
- With TDM/ELV/SDxx/TDxx: Only available with line-voltage on/off occupancy sensor.

CUBE1

- MOUNTING DETAILS



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 - DDTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA, SS-LUNAT Touch or BT, SS-LUNAT Comm
LDE1	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO ^{1,2} Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ- E(wireless) QSGR- _E Quantum Hub (120V only): QP2-__2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
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

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.