

CUBE4-WET

Project Name:	
Type:	



CASAMBI

APPLICATION

The CUBE4-WET, wet location approved for covered ceilings, is a line of extruded aluminum linear luminaire suitable for multiple applications such as portico and front driveway of commercial, general office, banking, retail and educational environments.

FEATURES:

- Die-Cast and extruded aluminum housing, available in direct only and direct/indirect housing.
- Housing is fully gasketed and sealed.
- Standard powder-coat textured white painted finish.
- Comes with snap-in UV resistant polycarbonate lens.
- 360° rotatable luminaire (field adjustable) only available for pendant mount.
- High temperature silicone gasket.

MOUNTING:

- Pendant (1/2" stem pipe) mount, pipe provided by others.
- Wall mount.
- Surface mount (direct only).

LED:

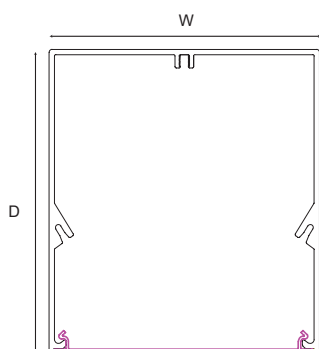
- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 80 (optional>90).
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).

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.
- 0-10VDC, 1%~100% dimmable driver as standard.
- 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.

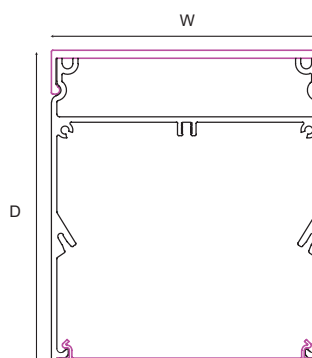
LISTING:

- ROHS.
- UL /cUL listed.
- Listed to UL 1598 and UL 8750.
- UL listed for wet location for covered ceilings.
- CEC Compliant EM (please contact for more information).
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty (optional).¹²



Specifications: CUBE4-WET (down only)

Width: 4 (101.6)
Depth: 4.5 (114.3)



Specifications: CUBE4-WET (up & down)

Width: 4 (101.6)
Depth: 4.5 (114.3)

All dimensions are in inches (millimeters).

CUBE4-WET

CONFIGURATIONS

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

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

CUBE4-WET

CONFIGURATIONS

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

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

ARCHITECTURAL WET LOCATION LINEAR

ORDERING INFORMATION

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

MODEL	WET	ROW ¹	SECTION ²	LED Downlight (per/4ft section)	LED Uplight (per/4ft section)
CUBE4-IND (Individual Mount) CUBE4-CON (Continuous Row Mount)	WET Wet Location	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	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)	(Blank) No Uplight /U18L 18W LED (683 lm/ft) /U27L 27W LED (976 lm/ft)
* 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 - pendant/wall mount : 75W(up & down light) * Contact factory for custom wattage or lumen requirement.		

Downlight DISTRIBUTION	Uplight DISTRIBUTION	COLOR TEMP.	SEPARATE CCT.	CRI
(Blank) Standard Wall wash WW	(Blank) Standard Lens UN15 Uplight Narrow 15° UN30 Uplight Narrow 30° UM Uplight Medium 60° UASY Uplight Asymmetric 20° ¹⁴ UBAT Uplight Batwing 120°	(Blank) Leave blank if you wish to have different CCT for up and down, and fill out next section -27K 2700K ³ -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 DXXY Indicate 27,30,35,40, or 50 for XX and YY (D represents Downlight, U represents Uplight)	(Blank) 80+ CRI C9 90+ CRI ⁴

VOLTAGE	EM SECTION ⁶	HOUSING FINISH	CANOPY FINISH	MOUNTING
UNV 120-277V 120 120V 277 277V 347 347V ⁵	(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 ⁷ *AMB Anti-Microbial Coating (Matte Skye White)	(Blank) White (Std.) *BC Black Canopy *SC Silver Canopy **CSS Custom Canopy Color	X1-ST24 15/16" grid T-bar + 24" Stem X1-ST48 15/16" grid T-bar + 48" Stem X2-ST24 Drywall + 24" Stem X2-ST48 Drywall + 48" Stem X3-ST24 Sloped drywall + 24" Stem X3-ST48 Sloped drywall + 48" Stem X4-ST24 9/16" grid T-bar + 24" Stem X4-ST48 9/16" grid T-bar + 48" Stem S Ceiling Surface W Wall
* Non-standard finish with extra charge. ** Additional charge & set up fee. Provide RAL# code.				
* Contact factory for custom length. * 1 pair stem and canopy kits standard for up to 8ft length.				

LED DRIVER	OPTIONS
(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%) ^{8,9} 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) DTO 0-10V DIM-TO-OFF DIMT Tri-mode dimming (Triac, ELV, 0-10V) LTEA2W Hi-lume 1% 2-wire LED driver (120V forward phase only) ³⁰	EMG8 8W EM Battery Backup (CEC Compliant EM) ¹⁰ EMG15 15W EM Battery Backup (CEC Compliant EM) ¹⁰ EMG20 20W EM Battery Backup (CEC Compliant EM) ¹⁰ ELCU-200 Fail-to-on Emergency lighting, UL924 ¹¹ GTD Bodine Generator Transfer Device GTD10DIM Bodine Generator Transfer Device (0-10VDC Dimmer Override) F1 Single fuse for 120/277/347V ¹³ F2 Double fuse for 208/240V ¹³ LT Low Temperature (-40°F (-40°C) ~ 122°F (50°C)) O7W Optional 7 Years Limited Warranty ¹² O10W Optional 10 Years Limited Warranty ¹² COC Separated EM feed for City of Chicago code compliance BAA BAA(Buy American Act) and BABA(Build America Buy America) compliant TAA Trade Agreements Act compliant MG Marine grade finish 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) SP10 10KV/10KA integrated surge protection HC403 Hytronik Daylight Harvesting Occupancy Sensor, adjustable via DIP switch ¹⁵ CASAMBI Contact factory for CASAMBI READY options

NOTES:

- Specify only when continuous row mount.
- Skip if the row length and section length are the same.
- Available with C9 (CRI 90+) only.
- Lumen per watt is around 15% less than standard CRI 80+.
- 347V cannot work with emergency battery backup.
- EM is installed in the last 4' of luminaire section. Separate section required 2SE or specified.
Must specify voltage, not available with 347V.
- Refer to color charts (RAL / Cardinal) in the separate attachment.
- UDSD option with EM may not be available due to limited space, please contact us for more information.
- Built with up to 2 power feeds depending on the configuration.
- Contact factory for other emergency battery backup options.
- Shipped separately.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Must specify voltage.
- Standard optic illuminates the wall.
Optics can be field modified (reversed) to illuminate room.
- See Table 2 to find factory setting.

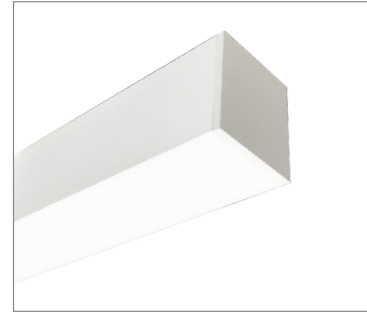
CUBE4-WET



Up & Down with pendant mount



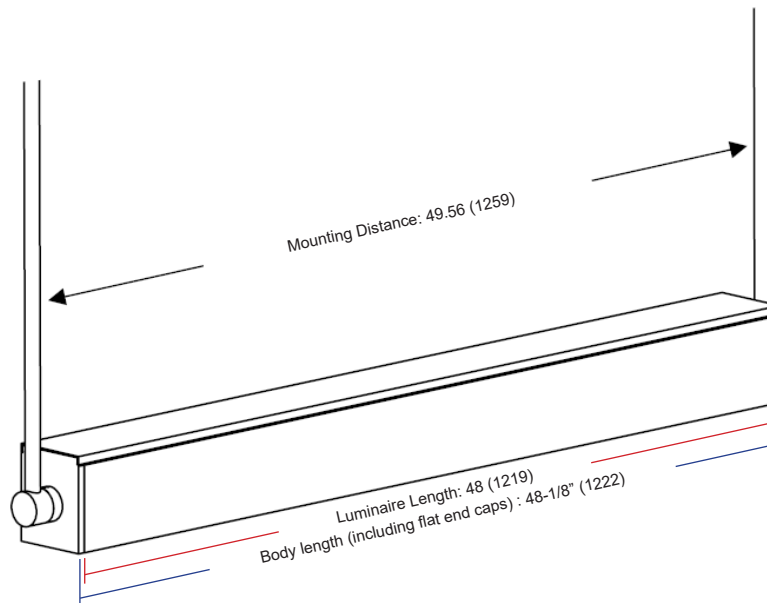
Down only with pendant mount



Surface & Wall mount

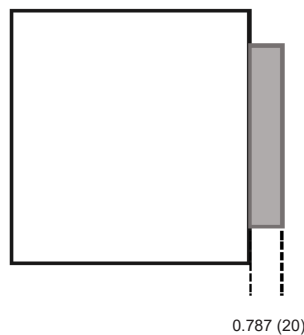
MOUNTING DETAILS

- PENDANT MOUNT (shown in direct/indirect housing)



All dimensions are in inches (millimeters).

- WALL MOUNT



CUBE4-WET

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, NDTV 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-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-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
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, Maestro MA-600 (Digital)
ELV	ERP	<Lutron>	Nova-NFTV, Diva-DVTV
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.

HC403 FACTORY SETTING (TABLE 2)

Detection Area	100%
Hold-time	5 sec
Daylight sensor	Disable
Stand-by period (tri-level control)	10 sec
Stand-by dimming level	10%

* See a separate attachment to find more setting options.