

# CUBE4-WET

Project Name:	
Type:	



**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 acrylic 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:**

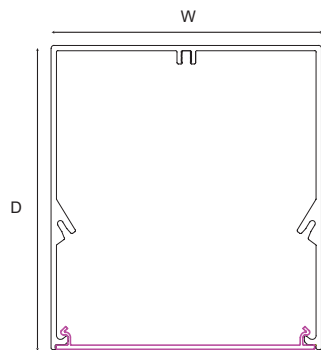
- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- 0-10VDC, 1%~100% dimmable driver 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.

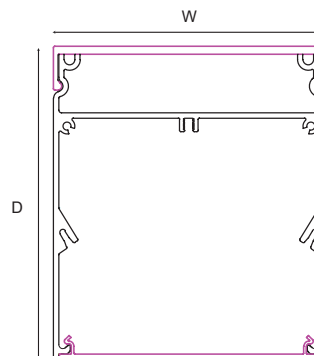
**LISTING:**

- 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).
- 5 years limited warranty.
- 7 or 10 years limited warranty (optional).<sup>12</sup>



*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 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	
	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	

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 <sup>1</sup>		SECTION <sup>2</sup>		LED Downlight (per/4ft section)		LED Uplight (per/4ft section)		
<b>CUBE4-IND</b> (Individual Mount) <b>CUBE4-CON</b> (Continuous Row Mount)	<b>WET</b>	Wet Location	<b>xx'</b>	Specify nominal overall row length in 1' increments (Continuous runs)	<b>2</b>	2' Length	<b>D18L</b>	18W LED (725 lm/ft)	<b>(Blank)</b>	No Uplight	
					<b>3</b>	3' Length	<b>D27L</b>	27W LED (1172 lm/ft)	<b>/U18L</b>	18W LED (683 lm/ft)	
					<b>4</b>	4' Length	<b>D36L</b>	36W LED (1241 lm/ft)	<b>/U27L</b>	27W LED (976 lm/ft)	
					<b>6</b>	6' Length	<b>D48L</b>	48W LED (1536 lm/ft)			
					<b>8</b>	8' Length	<b>D54L</b>	54W LED (1753 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		MOUNTING	
<b>(Blank)</b> <b>WW</b>	Standard Wall wash	<b>(Blank)</b> <b>UN15</b> <b>UN30</b> <b>UM</b> <b>UASY</b> <b>UBAT</b>	Standard Lens Uplight Narrow 15° Uplight Narrow 30° Uplight Medium 60° Uplight Asymmetric 20° <sup>14</sup> Uplight Batwing 120°	<b>(Blank)</b>	Leave blank if you wish to have different CCT for up and down, and fill out next section	<b>(Blank)</b> <b>DXXUYY</b>	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)	<b>(Blank)</b> <b>C9</b>	80+ CRI 90+ CRI <sup>4</sup>	<b>(Blank)</b> <b>S</b> <b>W</b>	Pendant Ceiling Surface Wall
				<b>-27K</b> <b>-30K</b> <b>-35K</b> <b>-40K</b> <b>-50K</b>	2700K <sup>3</sup> 3000K 3500K 4000K 5000K						

VOLTAGE		EM SECTION <sup>6</sup>		HOUSING FINISH		CANOPY FINISH		CEILING TYPE (for pendant)		SUSPENSION L ENGT	
<b>UNV</b>	120-277V	<b>(Blank)</b>	None EM	<b>(Blank)</b>	Matte White RAL #9003 (Std.)	<b>(Blank)</b>	White (Std.)	<b>X1</b>	15/16" grid T-bar ceiling	<b>ST24</b>	Stem Canopy 24"L
<b>120</b>	120V	<b>1SE</b>	1 Section	<b>*BK</b>	Black RAL #9011	<b>*BC</b>	Black Canopy	<b>X2</b>	Hard ceiling	<b>ST48</b>	Stem Canopy 48"L
<b>277</b>	277V	<b>2SE</b>	2 Section	<b>*SV</b>	Silver (RAL #9022)	<b>*SC</b>	Silver Canopy	<b>X3</b>	Sloped Hard ceiling		
<b>347</b>	347V <sup>5</sup>	<b>xSE</b>	x Section	<b>**CC</b>	Custom Color <sup>7</sup>	<b>**CSS</b>	Custom Canopy Color	<b>X4</b>	9/16" T-bar ceiling		
				<b>*AMB</b>	Anti-Microbial Coating (Matte Skye White)						
* Non-standard finish with extra charge. ** Additional charge & set up fee. Provide RAL# code.							* Contact factory for custom length. 1 pair (2 aircraft cables) standard for up to 8' length.				

LED DRIVER		OPTIONS	
<b>(Blank)</b>	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	<b>EMG8</b>	8W EM Battery Backup (CEC Compliant EM) <sup>10</sup>
<b>UDSD</b>	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) <sup>8,9</sup>	<b>EMG15</b>	15W EM Battery Backup (CEC Compliant EM) <sup>10</sup>
<b>SP</b>	Separate Power Control for Uplight and Downlight	<b>EMG20</b>	20W EM Battery Backup (CEC Compliant EM) <sup>10</sup>
<b>ES566</b>	eldoLED SOLOdribe Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	<b>ELCU-200</b>	Fail-to-on Emergency lighting, UL924 <sup>11</sup>
<b>SD40</b>	40% / 100% Bi-Level Step dim	<b>GTD</b>	Bodine Generator Transfer Device
<b>SDXX</b>	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)	<b>GTD10DIM</b>	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
<b>PHSR</b>	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	<b>F1</b>	Single fuse for 120/277/347V <sup>13</sup>
<b>PHDL</b>	Philips Xitanium DALI driver, Dim to 5%	<b>F2</b>	Double fuse for 208/240V <sup>13</sup>
<b>EC</b>	eldoLED ECodribe 0-10V natural dim to 1% (Hybrid HydraDrive)	<b>LT</b>	Low Temperature (-40°F (-40°C) ~ 122°F (50°C))
<b>TDM</b>	Triac Dim. (120V only)	<b>O7W</b>	Optional 7 Years Limited Warranty <sup>12</sup>
<b>TD30/70</b>	30% / 70% / 100% Tri-Level Step dim	<b>O10W</b>	Optional 10 Years Limited Warranty <sup>12</sup>
<b>TDXX/YY</b>	XX% / YY% / 100% Tri-Level Step dim(Specify XX, YY : 10%~70%)	<b>COC</b>	Separated EM feed for City of Chicago code compliance
<b>LDE1</b>	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim	<b>BAA</b>	BAA(Buy American Act) and BABA(Build America Buy America) compliant
<b>ELV</b>	ELV compatible (reverse-phase or trailing-edge)	<b>MG</b>	Marine grade finish
<b>DTO</b>	0-10V DIM-TO-OFF	<b>E1F</b>	End feed on one end (Pre-drilled hole for 1/2" fitting)
<b>DIMT</b>	Tri-mode dimming (Triac, ELV, 0-10V)	<b>E2F</b>	End feed on both ends (Pre-drilled holes for 1/2" fitting)
<b>LTEA2W</b>	Hi-lume 1% 2-wire LED driver (120V forward phase only) <sup>30</sup>		

### 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.

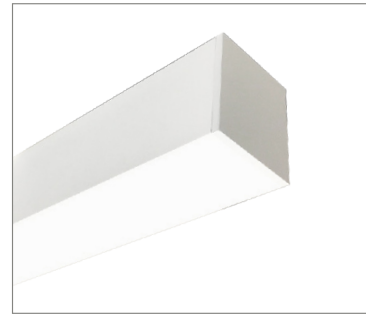
# CUBE4-WET



Up & Down with pendant mount



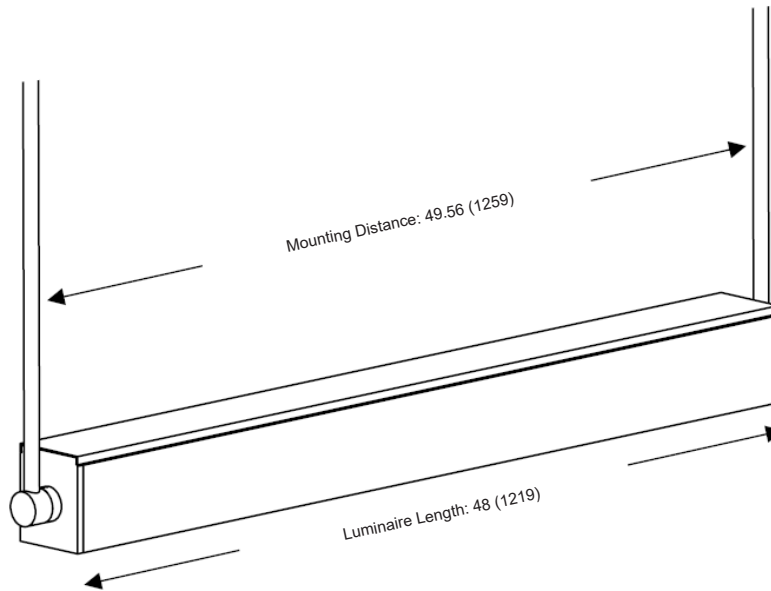
Down only with pendant mount



Surface & Wall mount

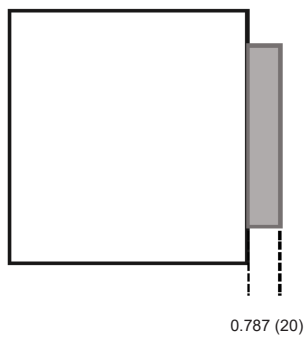
## MOUNTING DETAILS

- 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>	IlumaTech IP7 series
		<Lutron>	Visit <a href="http://www.lutron.com/advance">www.lutron.com/advance</a> 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>	IlumaTech - 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-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 <sup>1,2</sup> 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 <sup>3</sup>	Philips Xitanium Sensor-Ready	<Ilumra>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Ilumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> Ilumra# 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-DDTV
DTO	Philips Xitanium Gen.2 Philips Xitanium Sensor-Ready	<Lutron>	Nova T: #NTSTV-DV <a href="http://www.lutron.com/TechnicalDocumentLibrary/NovaTB.pdf">http://www.lutron.com/TechnicalDocumentLibrary/NovaTB.pdf</a> See page13.
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit <a href="http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf">http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf</a> 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](http://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.