

# CYLINDER 2 INTERNATIONAL SUSPENDED CABLE

PROJECT NAME:	TYPE:
---------------	-------



Our best-selling cylinders keep getting better. Suspended cylinders are offered in a broad range of sizes and more than a dozen finish options, with field-cutttable cables and lumens from 800 to almost 4000lm.

## ORDERING INFORMATION

CYLINDER	LENGTH	FUNCTION	RATING	CYLINDER FINISH	BAFFLE FINISH	CRI / WATTAGE PACKAGE	CCT	OPTIC (UGR)	MEDIA	POWER SUPPLY	MOUNTING
<b>CP2X</b>		<b>D</b>	<b>1</b>								<b>EXMP</b>
CP2X 79mm Ø	<b>096W</b> 96" White <b>192W</b> 192" White <b>096B</b> 96" Black <b>192B</b> 192" Black <b>XXXB</b> Black Cable* <b>XXXW</b> White Cable* *(Specify length in inches) *(Cable is field cuttable)	D Downlight	1 Dry / Damp (IP30)	<b>POWDERCOAT FINISHES</b> <b>WH</b> White <b>AG</b> Satin Silver <b>AU</b> Cashmere Gold <b>AB</b> Architectural Bronze <b>BB</b> Burnt Bronze <b>BK</b> Black <b>CF</b> Custom Finish* *(Consult Factory) <b>ALUMINA FINISHES</b> <b>01</b> Brushed Obsidian <b>02</b> Matte Obsidian <b>03</b> Brushed Dark Patinated Bronze <b>04</b> Matte Dark Patinated Bronze <b>05</b> Brushed Aged Aluminum <b>06</b> Matte Aged Aluminum <b>07</b> Brushed Cast Brass <b>08</b> Matte Cast Brass <b>09</b> Brushed Light Patinated Bronze <b>10</b> Matte Light Patinated Bronze FINISH IMAGES ON PAGE 2	<b>POWDERCOAT FINISHES</b> <b>WH</b> White <b>AG</b> Satin Silver <b>AU</b> Cashmere Gold <b>AB</b> Architectural Bronze <b>BB</b> Burnt Bronze <b>BK</b> Black <b>CF</b> Custom Finish* *(Consult Factory) <b>ALUMINA FINISHES</b> <b>01</b> Brushed Obsidian <b>02</b> Matte Obsidian <b>03</b> Brushed Dark Patinated Bronze <b>04</b> Matte Dark Patinated Bronze <b>05</b> Brushed Aged Aluminum <b>06</b> Matte Aged Aluminum <b>07</b> Brushed Cast Brass <b>08</b> Matte Cast Brass <b>09</b> Brushed Light Patinated Bronze <b>10</b> Matte Light Patinated Bronze FINISH IMAGES ON PAGE 2	<b>STATIC WHITE</b> <b>80S11B</b> 80+ CRI, 11 Watts 1111 lm delivered <b>80S17B</b> 80+ CRI, 17 Watts 1613 lm delivered <b>80S23B</b> 80+ CRI, 23 Watts 2293 lm delivered <b>90S11B</b> 90+ CRI, 11 Watts 950 lm delivered <b>90S17B</b> 90+ CRI, 17 Watts 1475 lm delivered <b>90S23B</b> 90+ CRI, 23 Watts 1960 lm delivered <b>97S11B</b> 97+ CRI, 11 Watts 874 lm delivered <b>97S17B</b> 97+ CRI, 17 Watts 1357 lm delivered <b>97S23B</b> 97+ CRI, 23 Watts 1803 lm delivered <b>WARM DIM</b> <b>90W24B</b> 90+ CRI, 24 Watts Incandescent Profile 1469 lm delivered Halogen Profile 1698 lm delivered *SEE PAGE 3 FOR DETAILED PERFORMANCE CONFIGURATIONS AND WARM DIM PROFILE COMPARISON. <b>TUNABLE WHITE (REMOTE DRIVER ONLY)</b> <b>90T32B</b> 90+ CRI, 32 Watts Warm Profile Lm. Delivered - 2430 Cool Profile 2277 lm delivered *ALL DELIVERED LUMEN OUTPUTS REFLECT 3000K PAIRED WITH 20° OPTIC AND SOFT FOCUS LENS.	<b>24</b> 2400K* *(90+CRI only, 17W max) <b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>WL</b> 2700K - 1800K <b>WD</b> 3000K - 1800K <b>TR</b> 4000K - 1800K <b>TH</b> 5000K - 2700K	<b>10</b> 10** (<13) *(17W packages only) <b>15</b> 15° (<13) <b>20</b> 20° (<10) <b>25</b> 25° (<10) <b>40</b> 40° (<10) <b>60</b> 60° (<16) <b>20</b> 20° (<10) <b>25</b> 25° (<10) <b>40</b> 40° (<10) <b>60</b> 60° (<13) <b>15</b> 15° (<13) <b>20</b> 20° (<10) <b>25</b> 25° (<10) <b>40</b> 40° (<10) <b>60</b> 60° (<13)	<b>STANDARD MEDIA</b> <b>4</b> Soft Focus Lens (SFL)* *(Required for 10° optic) <b>ALTERNATE MEDIA</b> <b>0</b> No Lens* *(Not available for Warm Dim) <b>2</b> Honey Comb Louver (HCL)* *(Not available for Warm Dim) <b>3</b> Clear Glass Lens (CGL)* *(Not available for Warm Dim) <b>4</b> Frosted Glass Lens (FGL) <b>6</b> Frosted Soft Focus Lens (FSFL) <b>7</b> Frosted Linear Spread Lens (FLSL) <b>C</b> Clear Glass Film w/ Honeycomb Louver <b>S</b> Soft Focus Film w/ Honeycomb Louver	<b>INTEGRAL</b> <b>2IE</b> Electronic Forward / Reverse 220V-240V <b>REMOTE (220-277V)</b> <b>2EG</b> eldoLED, SOLOdrive 0.1% 0-10V, LOG <b>2EN</b> eldoLED, SOLOdrive 0.1% 0-10V, LIN <b>2ED</b> eldoLED, SOLOdrive 0.1% DALI, LOG <b>2LD</b> eldoLED, SOLOdrive 0.1% DALI, LIN <b>TUNABLE WHITE REMOTE (220-277V)</b> <b>2DD</b> eldoLED, DUALdrive 0.1% DALI, LOG	<b>EXMP</b> Export Mounting Plate Features 89mm diameter canopy

## PART NUMBER NOTES

- CP2X ships as e.g., CP2X048WFB1WHBK180S23B30402EG24
- Remote driver ships as e.g., PS-RMT-80S23B-2EA2

# CYLINDER 2 INTERNATIONAL SUSPENDED CABLE

## ACCESSORIES

### REPLACEMENT MEDIA

- SFL-CY2X-03** Soft Focus Lens
- HCL-CY2X-03** Honeycomb Louver \*  
\*(Not available for Warm Dim)
- CGL-CY2X-03** Clear Glass Lens \*  
\*(Not available for Warm Dim)
- FGL-CY2X-03** Frosted Glass Lens
- FSFL-CY2X-03** Frosted Soft Focus Lens
- FLSL-CY2X-03** Frosted Linear Spread Lens
- CGL-HCL-CY2X-03** Clear Glass Film W/ Honeycomb Louver
- SFL-HCL-CY2X-03** Soft Focus Film W/ Honeycomb Louver

### STATIC WHITE REPLACEMENT OPTICS

- RO-70-15-S** 15° optic
- RO-70-20-S** 20° optic
- RO-70-25-S** 25° optic
- RO-70-40-S** 40° optic
- RO-70-60-S** 60° optic

### WARM DIM REPLACEMENT OPTICS

- RO-70-20-W** 20° optic
- RO-70-25-W** 25° optic
- RO-70-40-W** 40° optic
- RO-70-60-W** 60° optic

### TUNABLE WHITE REPLACEMENT OPTICS

- RO-70-15-T** 15° optic
- RO-70-20-T** 20° optic
- RO-70-25-T** 25° optic
- RO-70-40-T** 40° optic
- RO-70-60-T** 60° optic

### SUCTION CUP TOOL

- CYX-TOOL-SUCTION** Baffle removal tool, provided with every 5 fixtures

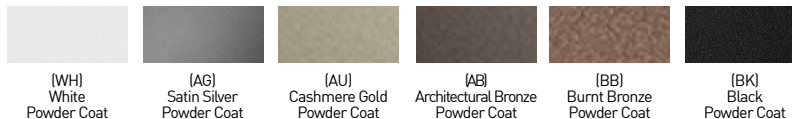
### EMERGENCY LIGHTING - REMOTE MOUNT ONLY

During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

- EMB-S-25-120/277-LEDX** 25 watt max capacity, 120 or 277 VAC 60Hz
- EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, 0-10V dimmable
- EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, 0-10V dimmable
- EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz

**\*SHUNT REQUIRED FOR USE WITH ATHENA AND CASAMBI CONTROLS, CONSULT FACTORY FOR DETAILS.**

## POWDERCOAT FINISHES



## ALUMINA FINISHES BY LUCIFER LIGHTING™



# CYLINDER 2 INTERNATIONAL SUSPENDED CABLE

## STATIC WHITE PERFORMANCE - 3000K

LUMEN PACKAGE	WATTAGE	10° OPTIC FIELD REDUCER		15° OPTIC SOFT FOCUS LENS		20° OPTIC SOFT FOCUS LENS		25° OPTIC SOFT FOCUS LENS		40° OPTIC SOFT FOCUS LENS		60° OPTIC SOFT FOCUS LENS	
		DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW
80S11B	11	-	-	1095	99	1151	104	1151	104	1073	97	1018	92
80S17B/C	17	779	46	1651	97	1768	103	1789	105	1654	97	1583	93
80S23B	23	-	-	2201	95	2360	102	2374	103	2201	95	2112	91
90S11B	11	-	-	936	85	984	89	984	89	917	83	870	79
90S17B/C	17	671	39	1411	83	1511	88	1529	89	1414	83	1353	79
90S23B	23	-	-	1881	81	2017	87	2029	88	1882	81	1805	78
97S11B	11	-	-	861	78	905	82	905	82	844	76	800	72
97S17B/C	17	579	34	1298	76	1390	81	1407	82	1301	76	1245	73
97S23B	23	-	-	1731	75	1856	80	1867	81	1731	75	1661	72
90W24BL (2700K-1800K)	24	-	-	-	-	1530	63	1516	63	1425	59	1344	56
90W24BD (3000K-1800K)	24	-	-	-	-	1592	66	1582	65	1495	62	1419	59
90T32BTR (4000K-1800K)	32	-	-	2360	73	2472	77	2468	77	2326	72	2224	69
90T32BTH (5000K-2700K)	32	-	-	2254	70	2351	72	2334	71	2208	67	2105	59

**Part L** 75+ LPW configurations comply with residential Part L  
95+ LPW configurations comply with commercial Part L

### UNIFIED GLARE RATING

10° OPTIC FIELD REDUCER	15° OPTIC SOFT FOCUS LENS	20° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS
<13	<13	<10	<10	<10	<16

### MEDIA LIGHT LOSS FACTOR

MEDIA	LIGHT LOSS FACTOR
No Lens	1.07
CGL	0.98
SFL	1.00
FGL	0.94
FSFL	0.93
FLSL	0.85
HCL	0.72
SFL+HCL	0.66

### OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.76
2700K	0.957
3000K	1.000
3500K	1.019
4000K	1.030

### TUNABLE WHITE MULTIPLIER

CCT	5000K-2700K	4000K-1800K
5000K	1.16	-
4000K	1.08	1.14
3500K	1.04	1.07
3000K	1.00	1.00
2700K	0.96	0.92
2400K	-	0.84
1800K	-	0.69

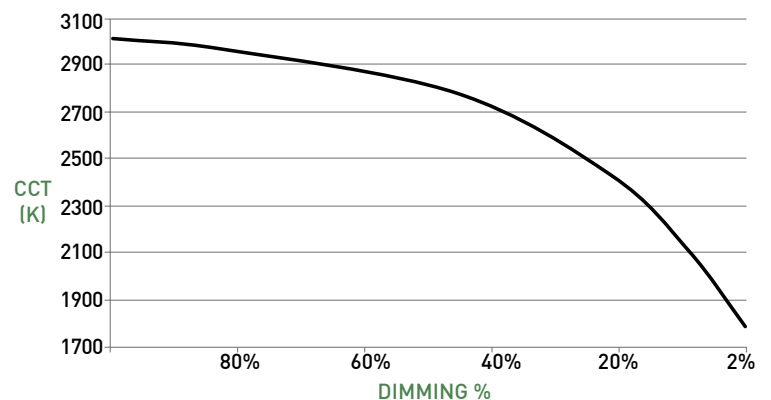
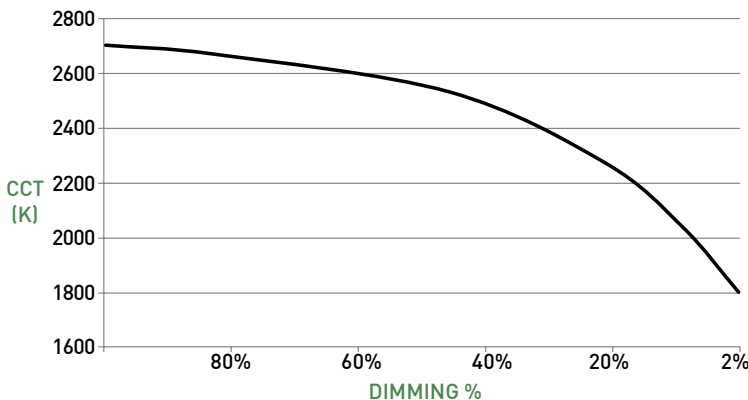
## WARM DIM PERFORMANCE - SOFT FOCUS LENS - 20° OPTIC

### INCANDESCENT DIMMING PROFILE

90W24BL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700	2650	2620	2520	2180	1950	1800
Light Output (Lm)	1530	1224	1071	765	306	153	31
Power (W)	24	19	17	12	5	2.4	0.5
Efficacy (LPW)	63	63	63	63	63	63	63

### HALOGEN DIMMING PROFILE

90W24BD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	1592	1274	1114	796	318	159	32
Power (W)	24	19	17	12	5	2.4	0.5
Efficacy (LPW)	66	66	66	66	66	66	66

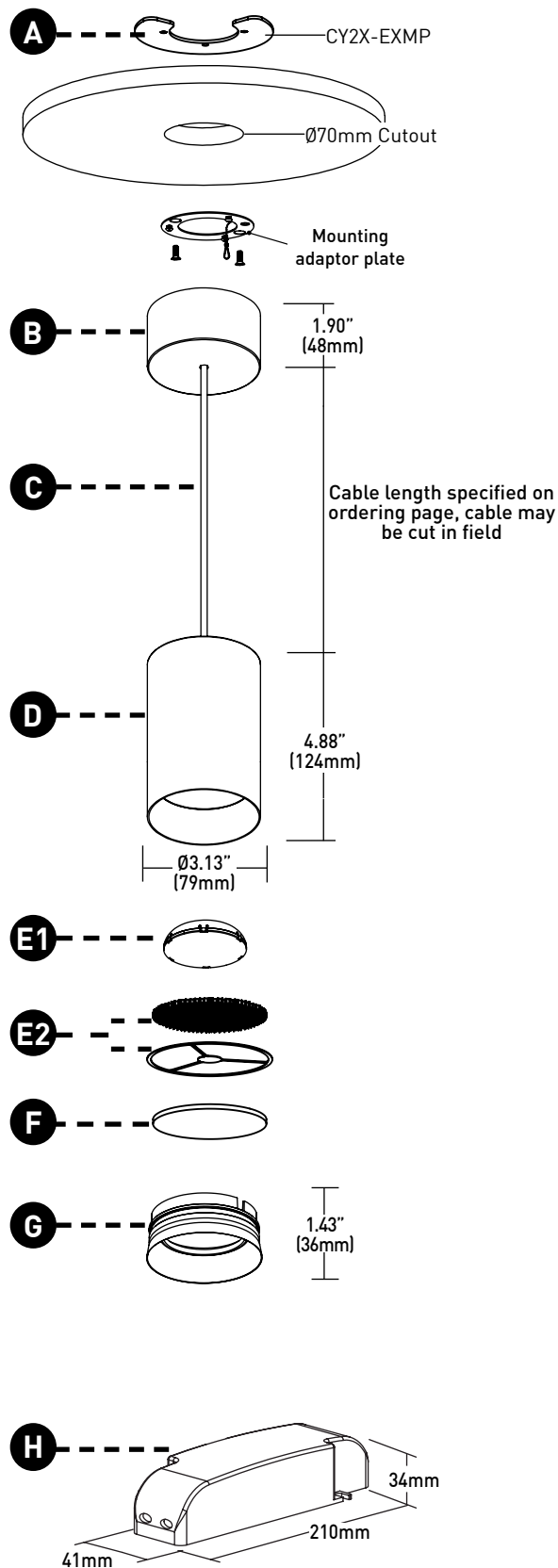


# CYLINDER 2 INTERNATIONAL SUSPENDED CABLE

## PENDANT

## DIMENSIONS / DRAWINGS

- A EXPORT MOUNTING PLATE**  
Export mounting plate (concealed) to be installed above ceiling substrate. Features minimalist 89mm diameter canopy.
- B CANOPY**  
Die-cast 1.90" (48mm) canopy accommodates flat and slope ceiling conditions. Conceals hidden twist-on mounting hardware. Available with integral or remote driver.
- C CABLE**  
Black or white cable available; up to 192.0" length; cable may be cut in field.
- D LUMINAIRE**  
Die-cast body with integral heat sink and LED.
- E1 OPTICS**  
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams.
- E2 10° FIELD REDUCER**  
Included with 10° optic. Reduces field angle by 56%
- F MEDIA**  
Cylinder can accept 2 lenses; soft focus lens or no lens standard. Wet location lens sealed in place.
- G BAFFLE**  
Die-cast baffle minimizes aperture glare and conceals view into fixture.



## REMOTE POWER SUPPLY

- H Remote power supply provides additional driver options. See page 5 for maximum allowable wiring distance. Must be installed in an accessible location.**

# CYLINDER 2 INTERNATIONAL SUSPENDED CABLE

## TECHNICAL

### CONSTRUCTION

**Pendant:** Die-cast aluminum body with integrated heat sink; painted finishes are granulated powder coat. Alumina finishes are anodized aluminum.

**Remote Power Supply:** 22 Gauge galvanized steel.

### STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K.

3-step MacAdam ellipse LED module available in 90+ CRI configuration in color temperature of 2400K. Average rated lamp life: 50,000 hours. LED and driver assemblies are field-replaceable. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### WARM DIM LED

3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### TUNABLE WHITE LED

3-Step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning range of 2700K to 5000K and 1800K to 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

Power Supply	PHASE			DALI		
	2IE	2EG	2EN	2ED	2LD	2DD
Minimum °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C
Maximum °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
Dimming %	2.0%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For EG and EN drivers consult chart on page 6 to confirm appropriate dimming curve for compatibility with selected control.

### MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

DRIVER	WIRE AWG				
	12	14	16	18	20
2EG, 2EN, 2ED, 2LD, 2DD	-	-	118'	72'	46'

### LISTING

Cylinders and drivers CE Listed for Dry / Damp locations. Integral drivers ENEC and CB Listed.

### DECLARE

LBC Red List Approved.

### PART L

Part L compliant for all 75+ LPW residential and 95+ LPW commercial configurations.

### FIXTURE WEIGHT

CP2X / Mounting - 4.8 lbs

Remote Driver - 1.4 lbs

### WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller. Consult [website](#) for full warranty terms and conditions.

### CHANGE LOG

- 2/15/2024: PART L COMPLIANCE ADDED
- 3/15/2024: 10 DEGREE FIELD REDUCER ADDED, 10 DEGREE PERFORMANCE DATA UPDATED

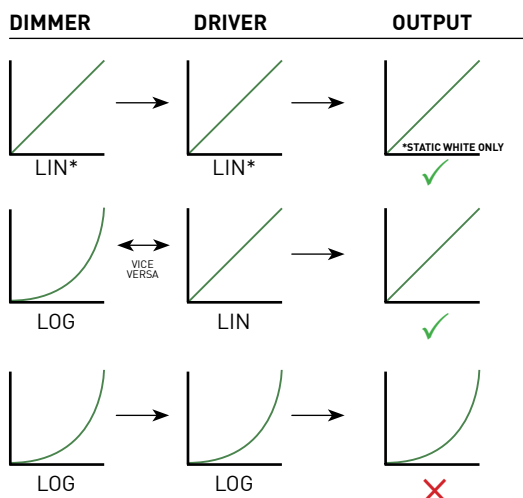
# CYLINDER 2 INTERNATIONAL SUSPENDED CABLE

## DIMMING COMPATIBILITY

### eldoLED DRIVER COMPATIBILITY

Power supply <b>EG</b> Manufacturer	Family/Model #
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IP710-DLX
Lightolier Controls	ZP600FAM120
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLV1
Synergy	ISD BC
Crestron®	GLX-DIMFLV8
Crestron®	GLXP-DIMFLV8
Crestron®	GLPAC-DIMFLV4-*
Crestron®	GLPAC-DIMFLV8-*
Crestron®	GLPP-DIMFLVEX-PM
Crestron®	GLPP-1DIMFLV2EX-PM
Crestron®	GLPP-1DIMFLV3EX-PM
Crestron®	DIN-A08
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX
Power supply <b>EN</b> Manufacturer	Family/Model #
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DDTV
Lutron Electronics	Nova® - NFTV
Lutron Electronics	GrafixEye® GRX-TVI w GRX3503
Lutron Electronics	Energy Savr Node™ - QSN-4T16-S
Lutron Electronics	TVM2 Module
Sensor Switch	nIO EZ
ABB	SD/S 2.16.1

## ANALOG DRIVERS AND DIMMERS



LIN = LINEAR  
 LOG = LOGARITHMIC  
 \*LIN-TO-LIN NOT COMPATIBLE FOR WARM DIM