CYLINDER CP4
SUSPENDED MOUNT
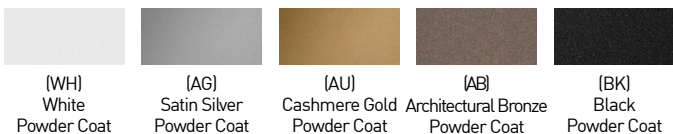
PROJECT NAME:	TYPE:

Highlight art, objects, places, spaces, seating areas, and architectural details with a classic profile that offers easy-to-adjust, in-field versatility.

ORDERING INFORMATION

TITLE 24 COMPLIANT — JA8-2022 COMPLIANCE INDICATED BY SHADING

CYLINDER	CABLE	CABLE COLOR	FUNCTION	RATING	CYLINDER FINISH	BAFFLE FINISH	CRI / WATTAGE PACKAGE	CCT	DOWN OPTIC	DRIVER	EFFECTS DEVICE	MOUNTING
CP4												
CP4 4.90"	**096** 8 Feet **192** 16 Feet	**W** White **B** Black	**FB** Down Only **UD** Up / Down	**1** Dry/Damp (IP30) **2** Wet (IP55)* **(Not available for Up / Down "UD")*	**WH** White **AG** Satin Silver **AB** Architectural Bronze **BK** Black **CF** Custom Finish* **(Consult Factory)*	**WH** White **AG** Satin Silver **AU** Cashmere Gold **AB** Architectural Bronze **BK** Black **CF** Custom Finish* **(Consult Factory)*	**STATIC WHITE** **80S15E** 80+ CRI, Down Dlvd. Lumens 1641 Up Dlvd. Lumens 1148 **80S30E** 80+ CRI, Down Dlvd. Lumens 3104 Up Dlvd. Lumens 1148 **90S15E** 90+ CRI, Down Dlvd. Lumens 1410 Up Dlvd. Lumens 1038 **90S30E** 90+ CRI, Down Dlvd. Lumens 2667 Up Dlvd. Lumens 1038 **97S15E** 90+ CRI, Down Dlvd. Lumens 1238* **(Not available for Up / Down "UD")* **97S30E** 90+ CRI, Down Dlvd. Lumens 2342* **(Not available for Up / Down "UD")* ***DISREGARD UP LIGHT PERFORMANCE FIGURES IF "FB" IS SPECIFIED **TUNABLE WHITE** **90T30B** 90+ CRI, 30 Watts Down Dlvd. Lumens 2231* **(Not available for Up / Down "UD")* **90T39B** 90+ CRI, 39 Watts Down Dlvd. Lumens 2770* **(Not available for Up / Down "UD")* *ALL DELIVERED LUMEN OUTPUTS AND T24 COMPLIANCE REFLECT 3000K PAIRED WITH 40° OR WW OPTIC OR AND STANDARD MEDIA.	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **TW** 5000K - 2700K	**15** 15° **25** 25° **40** 40° **60** 60°	**INTEGRAL** **1PH** 120V 1% ELV/TRIAC* **(Not available for Up / Down "UD" 15W packages)* **1SG** 120 or 277V 1% 0-10V Analog, LOG **1SN** 120 or 277V 1% 0-10V Analog, LIN **REMOTE (120V)** **1L2** Lutron, Hi-Lume 1% 2-Wire **REMOTE (120-277V)** **1LH** Lutron, Hi-Lume 1% Ecosystem **1EG** eldoLED, SOLOdrive 0.1% 0-10V, LOG **1EN** eldoLED, SOLOdrive 0.1% 0-10V, LIN **1ED** eldoLED, SOLOdrive 0.1% DALI, LOG *FOR UP / DOWNLIGHT FIXTURES TWO DRIVERS WILL BE PROVIDED, EXCEPT 1ED WILL BE PROVIDED WITH ONE DRIVER. BOTH SOURCES CAN BE CONTROLLED INDEPENDENTLY OR TOGETHER. **TUNABLE WHITE REMOTE (120-277V)** **1DD** eldoLED, DUALdrive 0.1% DALI, LOG **1DG** eldoLED, DUALdrive 0.1% 0-10V, LOG **1DN** eldoLED, DUALdrive 0.1% 0-10V, LIN	**STANDARD EFFECTS DEVICE** **4** Soft Focus Lens **OPTIONAL EFFECTS DEVICE** **0** No Lens* **(Not available for Wet locations)* **2** Honeycomb Louver* **(Not available for Wet locations)* **3** Clear Glass Lens **5** Frosted Glass Lens **6** Frosted Soft Focus Lens **7** Frosted Linear Spread Lens *THIS SECTION ONLY PERTAINS TO DOWNLIGHT SOURCE. **ALL EFFECTS DEVICES ARE T24 COMPLIANT FOR STATIC WHITE.	**JBOX** Standard, J-Box Surface Mounting Plate **CMJB** 1/2" and 3/4" Conduit Ceiling Mount Junction Box* **(Not available for Wet locations)*

*FOR CABLE LENGTHS OVER 16' CONSULT FACTORY. ALL LENGTHS ARE FIELD-CUTTABLE.

Finish swatches:
(WH) White Powder Coat | (AG) Satin Silver Powder Coat | (AU) Cashmere Gold Powder Coat | (AB) Architectural Bronze Powder Coat | (BK) Black Powder Coat

PART NUMBER NOTES
- CP4-FB ships as e.g., CP4192WFB1WHBK80S30A131PH*4
- CP4-UD ships as e.g., CP4096BUD1AGBK90S30A131SG*4
- Downlight remote driver ships as e.g., PSCY4-RMT-90C-29B-LH*
- Uplight remote driver ships as e.g., PSCY4-RMT-UPLIGHT-I H*
- CMJB ships as CY4-CMJB-(finish)

Red List Approved — Declare.

CYLINDER CP4 SUSPENDED MOUNT

ACCESSORIES

DOWNLIGHT ALTERNATE EFFECTS DEVICES
☐ **HCL-CY4-01**   Honeycomb Louver *
                 (Not available for Wet location)
☐ **CGL-CY4-01**   Clear Glass Lens
☐ **SFL-CY4-01**   Soft Focus Lens
☐ **FGL-CY4-01**   Frosted Glass Lens
☐ **FSFL-CY4-01**   Frosted Soft Focus Lens
☐ **FLSL-CY4-01**   Frosted Linear Spread Lens

REPLACEMENT OPTIC ASSEMBLIES
☐ **RO-90-15**   15° optic
☐ **RO-90-20**   20° optic
☐ **RO-90-25**   25° optic
☐ **RO-90-40**   40° optic
☐ **RO-90-60**   60° optic
☐ **RO-90-WW**   Wallwash optic

EMERGENCY LIGHTING - REMOTE MOUNT ONLY
☐ **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, 0-10V Dimmable

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

PERFORMANCE - 3000K - SOFT FOCUS LENS

LUMEN PACKAGE	WATTAGE	15° OPTIC (DOWNLIGHT)		25° OPTIC (DOWNLIGHT)		40° OPTIC (DOWNLIGHT)		60° OPTIC (DOWNLIGHT)		UPLIGHT	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S15E	15	1660	110	1575	105	1614	107	1523	101	1148	82
80S30E	30	3193	106	3030	101	3104	103	2930	98	1148	82
90S15E	15	1428	106	1377	102	1410	105	1339	99	1038	74
90S30E	30	2743	91	2603	87	2667	89	2517	84	1038	74
97S15E	15	1252	83	1188	79	1217	81	1149	76	-	-
97S30E	30	2408	80	2285	76	2342	78	2210	74	-	-
90T30B	30	2313	77	2197	73	2231	74	2110	70	-	-
90T39B	39	2827	72	2720	70	2770	71	2628	67	-	-

JA8-2022 INDICATED BY SHADING

OUTPUT MULTIPLIER

CCT	CCT SCALE
2700K	0.97
3000K	1.00
3500K	1.03
4000K	1.08

MEDIA LIGHT LOSS FACTOR

MEDIA	LIGHT LOSS FACTOR
NO LENS	1.05
CGL	1.00
SFL	1.00
FGL	0.89
FSFL	0.87
FLSL	0.82
HCL	0.65

UNIFIED GLARE RATING

15° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS
<10	<10	<10	<16

TUNABLE WHITE MULTIPLIER

CCT	50K-27K
5000K	1.16
4000K	1.08
3500K	1.04
3000K	1.00
2700K	0.96

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CYLINDER CP4 SUSPENDED MOUNT

FIXTURE

A LUMINAIRE
Body with integrated heat sink and LED(s). Power supply may be integral or remote mount.

B CANOPY
Die-cast canopy accommodates flat and sloped ceiling conditions. Conceals hidden twist-on mounting hardware. Available with integral or remote driver.

C CABLE
Black or White wiring harnesses are available. Available in lengths up to 192" maximum, cable is field cuttable, consult factory for lengths greater than 192".

D UPLIGHT OPTIC
120° Spread lens; Uplight only available for Dry/Damp locations.

E DOWNLIGHT OPTIC
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 15°, 25°, 40° & 60° beams.

F LENS RETAINER
Threaded lens retainer attaches to baffle and accommodates up to two effects devices.

G DOWNLIGHT MEDIA
Soft focus lens standard. Media is field-changeable in Dry/Damp and Wet locations.

H BAFFLE
Die-cast baffle minimizes aperture glare and conceals view into fixture.
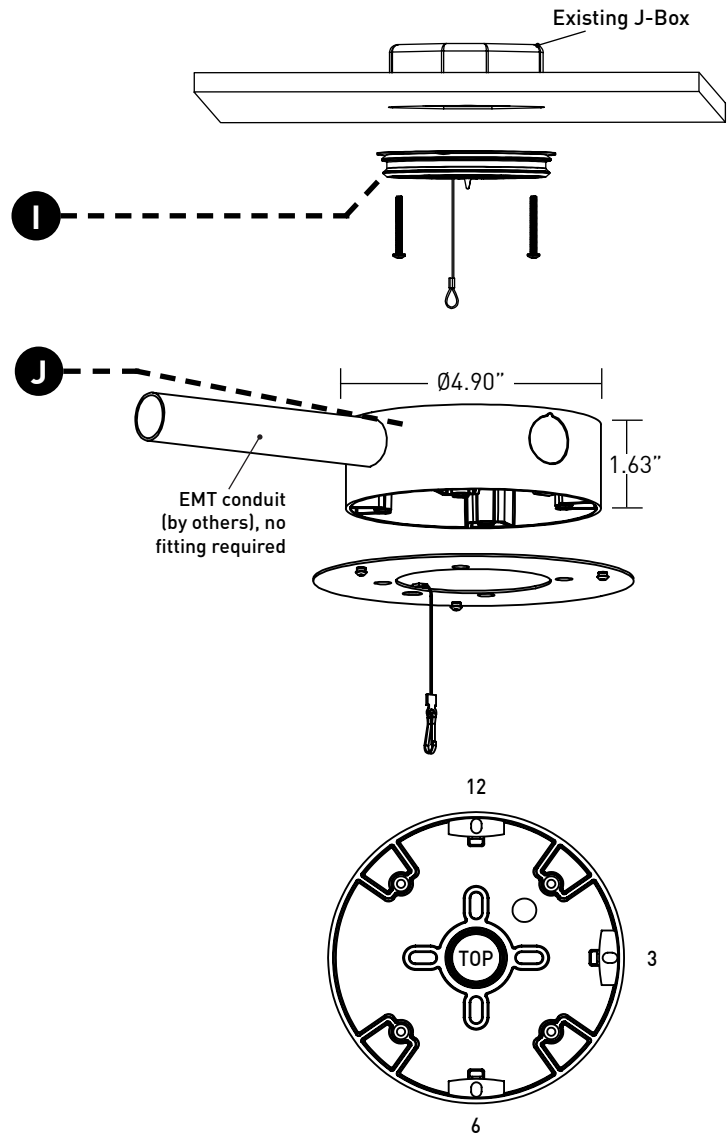
DIMENSIONS / DRAWINGS

2.75"

192" MAX

7.00"

Ø4.90"

Fixture Weight - 6.0 lbs

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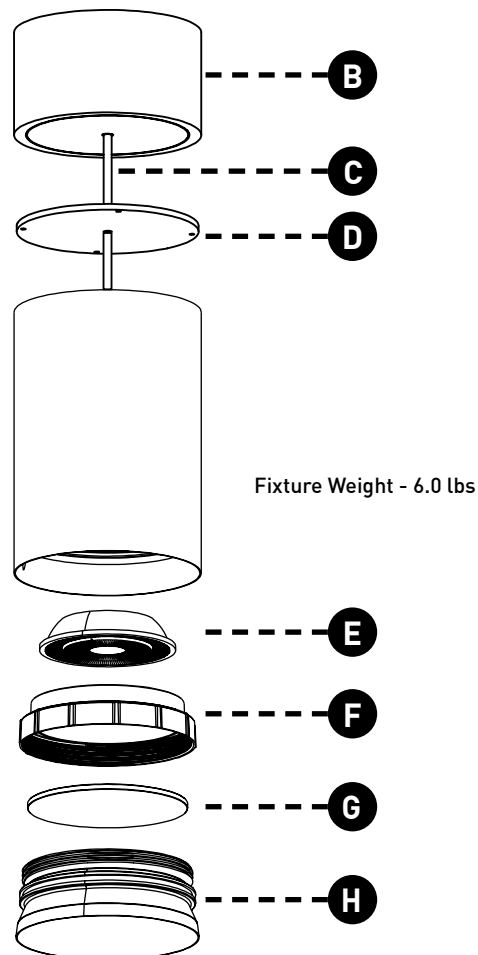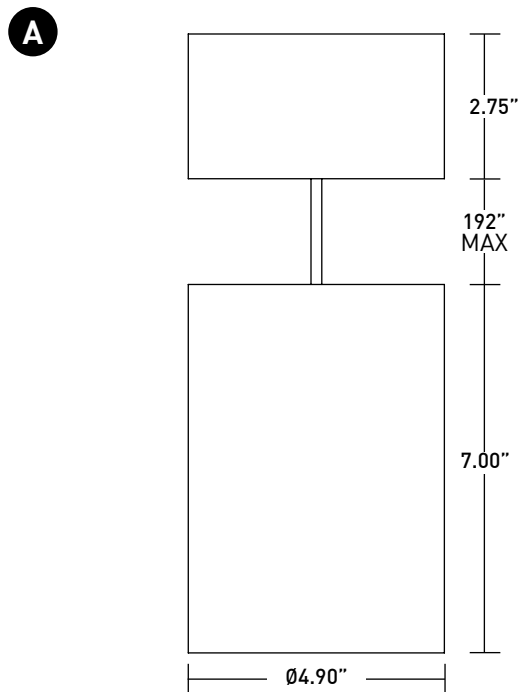
CYLINDER CP4 SUSPENDED MOUNT

MOUNTING

(I) MOUNTING ADAPTOR
Mounting adaptor (concealed) for standard 3/0 and 4/0 j-boxes. Surface mounted, does not require installation prior to rough-in. Fixture mounts flush with minimalist transition to ceiling.

(J) CMJB
Ceiling mount junction box perfectly matches the cylinder profile for a continuous, integrated look where exposed ceiling mount junction box and conduit applications apply. For use with 1/2" and 3/4" EMT conduit only. Features three conduit entrances at 12, 3, and 6 o'clock plus one conduit knockout on top. Painted finishes only. Blank off plugs included.

DIMENSIONS / DRAWINGS

Existing J-Box

Ø4.90"

1.63"

EMT conduit (by others), no fitting required

12

TOP

3

6

CYLINDER CP4 SUSPENDED MOUNT

REMOTE POWER SUPPLY

K **PS-RMT**
Do not install in environments where ambient temperatures exceed 35°C (95°F). Remote power supply provides additional driver options. Mounting device still required. Consult install guide for maximum allowable secondary run lengths between PS-RMT and fixture.

DIMENSIONS / DRAWINGS

Conduit & wiring supplied by others

9.60"

2.40"

3.90"

PS-RMT weight - 1.40 lbs
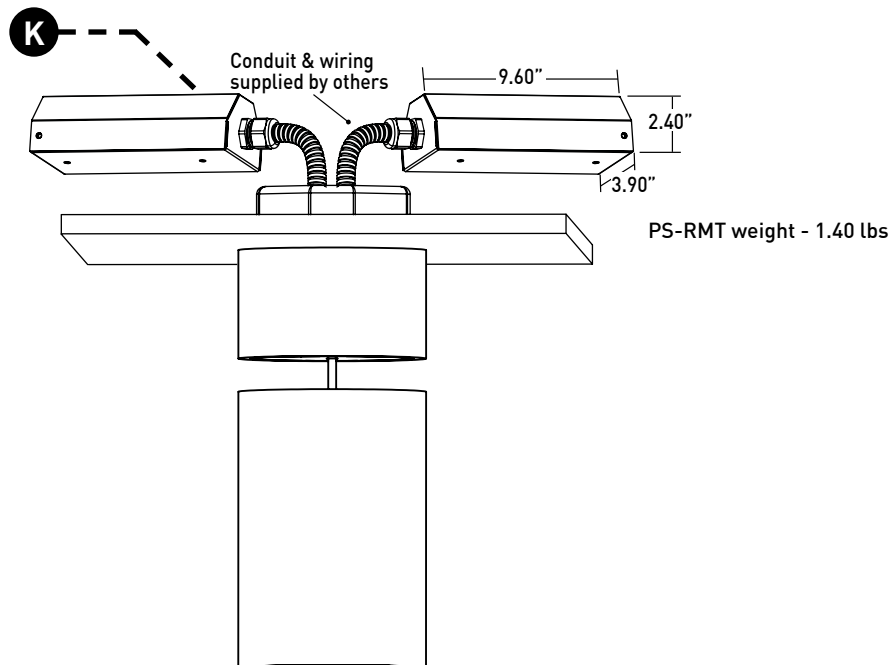
UP / DOWNLIGHT FIXTURE CONTROL INFORMATION

DRIVER	DRIVER QUANTITY	SOURCES DIM INDEPENDENTLY OR TOGETHER	WIRING REQUIREMENTS
1PH	2	X	For independent control, two switch legs required.
1SG	2	X	For independent control, two switch-legs and two 0-10V control leads required.
1SN	2	X	For independent control, two switch-legs and two 0-10V control leads required.
1L2	2	X	For independent control, two switch legs required.
1LH	2	X	For independent control, two EcoSystem addresses required.
1ED	1	X	For independent control, two DALI addresses required.
1EG	2	X	For independent control, two switch-legs and two 0-10V control leads required.
1EN	2	X	For independent control, two switch-legs and two 0-10V control leads required.

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CYLINDER CP4 SUSPENDED MOUNT

TECHNICAL

CONSTRUCTION
Cylinder: Machined aluminum body; extruded aluminum internal heat-sink; painted finishes are granulated powder coat.
CMJB: Die-cast aluminum body; painted finishes are granulated powder coat.
Remote Power Supply: 22 Gauge galvanized steel.

LED
2 step MacAdam ellipse LED modules available in 80+ and 90+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life of 50,000 hours. 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. Average rated lamp life: 50,000 hours. Driver assembly is field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

Power Supply	1PH	1SG	1SN	1L2	1LH	1EG	1EN	1ED	1DD	1DG	1DN
Minimum °C	-10 °C	-10 °C	-10 °C	0 °C	0 °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	40 °C	40 °C	40 °C	40 °C	40 °C
Dimming %	1.0%	1.0%	1.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: 1L2, 1LH, 1EG and 1EN 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
PH,SG, SN	285'	180'	113'	71'	45'
L2, LH	60'	40'	25'	15'	-
EG, EN, ED, DG, DN, DD	-	-	118'	72'	46'

MOUNTING
Cylinder is supplied with a mounting adaptor, which integrates with standard 3/0 or 4/0 junction boxes. Ceiling-mount junction box available for 1/2" (13mm) and 3/4" (19mm) conduit and features concealed internal clamps for clean fitting-free conduit exit and entry.

LISTING
cTUVus listed to UL1598 standard for Dry / Damp and Wet locations. IP30 (Dry/Damp) rated at IEC60598 and IP55 (Wet) rated at IEC60529. Title 24 JA8-2022 Listed.

BUY AMERICAN ACT
CP4-FB configuration is Buy American Act compliant.

DECLARE
LBC Red List Approved.

WEIGHT
Fixture - 6 lbs max
Remote Driver - 1.4 lbs

LIMITED 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
1. 01/06/2022: ADDED TITLE 24 JA8-2022 LISTING.
2. 04/26/2023: ADDED DECLARE LBC RED LIST APPROVED.
3. 08/08/2023: ADDED NEW LED AND OPTIC SYSTEM.

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DIMMING COMPATIBILITY

LUTRON DRIVER COMPATIBILITY

Power supply 1L2 Lutron Product Family	Part No.
Maestro WirelessR 600 W dimmer	MRF2-6ND-120-
Maestro WirelessR 1000 W dimmer	MRF2-10ND-120-
Caséta® Wireless Pro 1000 W dimmer	PD-10NXD-
GRAFIK T™ CL® dimmer	GT-250M- GTJ-250M-
HomeWorks® QS adaptive dimmer	HQRD-6NA-
HomeWorks® QS 600 W dimmer	HQRD-6ND-
HomeWorks® QS 1000 W dimmer	HQRD-10ND-
RadioRA® 2 adaptive dimmer	RRD-6NA-
RadioRA® 2 1000 W dimmer	RRD-10ND
myRoom™ DIN power module	MQSE-4A1-D
HomeWorks® QS DIN power module	LQSE-4A1-D
HomeWorks® QS wallbox power module	HQRJ-WPM-6D-120
HomeWorks® wallbox power module	HWI-WPM-6D-120
GRAFIK Eye® QS control unit	QSGR-, QSGRJ-
GRAFIK Eye® 3000 control unit	GRX-3100- GRX-3500-
RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4U-120 LP-RPM-4U-120
RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4A-120, LP-RPM-4A-120
GP dimming panels	Various
Ariadni CL 250W dimmer	AYCL-253P-
Diva CL 250W dimmer	DVCL-253P- DCSCCL-253P-
Nova T CL 250W dimmer	NTCL-250-

Power supply 1LH Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-ECO32-DV-B
PowPak Dimming Modules	FCJ/FCJS-ECO
Energi Savr Nodes	QSN-1ECO-S
GRAFIK Eye QS control unit Homeworks QS control unit	QSN-2ECO-S
GRAFIK Eye QS control unit Homeworks QS control unit	QSGRJ-_E (wireless) QSGR-_E
Quantum Hub	QP2-_ _ 2C
Quantum Hub	QP2-_ _ 4C
Quantum Hub	QP2-_ _ 6C
Quantum Hub	QP2-_ _ 8C
Homeworks QS power module myRoom Plus power module	LQSE-2ECO-D

LUTRON
2016 OEM
ADVANTAGE
ACCOUNT

eldoLED DRIVER COMPATIBILITY

Power supply EA2 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-AO8
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX

Power supply LA2 Manufacturer	Family/Model #
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DVTV
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

DIMMER	DRIVER	OUTPUT
LIN*	LIN*	*STATIC WHITE ONLY ✓
LOG (VICE VERSA)	LIN	✓
LOG	LOG	✗
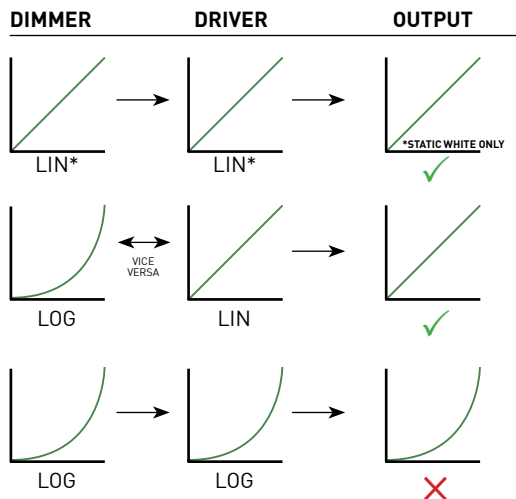
LIN = LINEAR
LOG = LOGARITHMIC
*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM

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