CYLINDER 1
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 - CYLINDER

⚡ Quick Ship Product. All rough in components ship within 10 days up to quantities of 100.

JA8-2019 COMPLIANCE INDICATED BY SHADING

CYLINDER	LENGTH	FIXTURE	RATING	CYLINDER FINISH	BAFFLE FINISH	LUMEN PACKAGE	CCT	OPTIC	DRIVER	EFFECTS DEVICE	MOUNTING
CD1			**1**		**BK**						
Dropkit STEM ASSEMBLY **CD1** 2.50"	**043** 2" - 43" Mechanical Dropkit Stem **086** 45" - 86" Mechanical Dropkit Stem **129** 88" - 129" Mechanical Dropkit Stem **172** 131" - 172" Mechanical Dropkit Stem *(All lengths are field cuttable)	**AD** Standard 42° **9D** Max 90° Tilt* *(Increased lead time) **AS** Standard 42° Shallow Canopy* *(Remote driver only; increased lead time) **9S** Max 90° Tilt Shallow Canopy* *(Remote driver only; increased lead time)	**1** Dry/Damp	**WH** White **BK** Black **AB** Architectural Bronze* *(Increased lead time) **AG** Satin Silver* *(Increased lead time) **CF** Custom Finish* *(Consult Factory)	**BK** Black	⊚ **STATIC WHITE** **80C12A** 80+ CRI, Delivered Lumens - 790 **80C19A** 80+ CRI, Delivered Lumens - 1216 **90C10A** 90+ CRI, Delivered Lumens - 676 **90C15A** 90+ CRI, Delivered Lumens - 1039 **97C09A** 97+ CRI, Delivered Lumens - 603 **97C14A** 97+ CRI, Delivered Lumens - 925 🟡 **WARM DIM** **90W11A** 90+ CRI, Delivered Lumens - 869 Incandescent Profile **90W13A** 90+ CRI, Delivered Lumens - 915 Halogen Profile *SEE PAGE 3 FOR DETAILED WARM DIM PROFILE COMPARISON. *ALL DELIVERED LUMEN OUTPUTS AND T24 COMPLIANCE REFLECT 3000K PAIRED WITH 40° OPTIC AND SOFT FOCUS LENS. REFERENCE PAGE 3 FOR ADDITIONAL T24 COMPLIANT CONFIGURATIONS.	**22** 2200K* *(Only available for 90+ CRI) **27** 2700K **30** 3000K **35** 3500K **40** 4000K **WL** 2700K - 1800K **WD** 3200K - 1800K	**10** 10°* *(Only available for 80C12A, 90C10A, and 97C09A. Not available for 2200K) **15** 15° **20** 20° **40** 40° **60** 60° **20** 20° **40** 40° **60** 60°	**INTEGRAL** **CA2** 120-277V 0-10V Analog **CE2** 120V Electronic ELV Forward / Reverse Phase **REMOTE (120V)** **TR2** Philips, 2% Leading/ Trailing / Triac* *(Not available for 80C12A, 90C12A, and 97C09A unless 10˚ optic is specified) **L23** Lutron, Hi-Lume 1% 2-Wire **REMOTE (120-277V)** **LH1** Lutron, Hi-Lume 1% Ecosystem **AN4** Philips Xitanium 1% 0-10V, LOG **LN2** Philips Xitanium 1% 0-10V, LIN **EA2** eldoLED, SOLOdrive 0.1% 0-10V, LOG **LA2** eldoLED, SOLOdrive 0.1% 0-10V, LIN **ED1** eldoLED, SOLOdrive 0.1% DALI, LOG **LD1** eldoLED, SOLOdrive 0.1% DALI, LIN	**STANDARD EFFECTS DEVICE** **4** Soft Focus Lens **ALTERNATE EFFECTS DEVICE** **0** No Lens* *(Standard for 10° optic. Not available for Warm Dim) **2** Honeycomb Louver* *(Not available for Warm Dim) **3** Clear Glass Lens* *(Not available for Warm Dim) **5** Frosted Glass Lens **6** Frosted Soft Focus Lens **7** Frosted Linear Spread Lens	**ROUGH-IN** **JBMP** 4" Sq. or 4/0 Junction Box Mounting Plate ⚡ **FINISH OUT** **SMK3** 3/0 Surface Mount Kit ⚡ **SMK4** 4/0 Surface Mount Kit ⚡ **CMJB** 1/2" and 3/4" Conduit Ceiling Mount Junction Box* *(Not available for MA finish, Quick Ship Product for WH and BK finishes only) ⚡

(WH) White Powder Coat   (BK) Black Powder Coat   (AB) Architectural Bronze Powder Coat   (AG) Satin Silver Powder Coat

Dropkit STEM NOTES
- CD1 ships as e.g., CY1-AD-1-WH-90C10A2-3-RMT-4
- Remote driver ships as e.g., PS-RMT-90C10A-1L23
- JBMP ships as CD-JBMP
- SMK3 ships as CD-SMK-3/0-(finish)
- SMK4 ships as CD-SMK-4/0-(finish)
- CMJB ships as CD-CMJB-(finish)
- Stem Assembly ships as CY1-DK-(length)-(finish)

CYLINDER 1 SUSPENDED MOUNT

ACCESSORIES

ALTERNATE EFFECTS DEVICES

☐ **HCL-CY1-03**   Honeycomb Louver *
(Not available for Warm Dim)

☐ **CGL-CY1-03**   Clear Glass Lens *
(Not available for Warm Dim)

☐ **SFL-CY1-03**   Soft Focus Lens
☐ **FGL-CY1-03**   Frosted Glass Lens
☐ **FSFL-CY1-03** Frosted Soft Focus Lens
☐ **FLSL-CY1-03** Frosted Linear Spread Lens

REPLACEMENT OPTICS
Interchangeable optics accessible by removing snoot.

☐ **RO-50-15-2**   15° optic *
(Not available for Warm Dim)

☐ **RO-50-20-2**   20° optic
☐ **RO-50-40-2**   40° optic
☐ **RO-50-60-2**   60° optic

⊙ STATIC WHITE PERFORMANCE - 3000K

LUMEN PACKAGE	WATTAGE	10° OPTIC NO SOFT FOCUS LENS		15° OPTIC SOFT FOCUS LENS		20° OPTIC SOFT FOCUS LENS		40° OPTIC SOFT FOCUS LENS		60° OPTIC SOFT FOCUS LENS	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80C12A	10	693	40 (17W)	884	88	665	67	790	79	791	79
80C19A	17	-	-	1363	81	1024	60	1216	76	1218	72
90C10A	10	587	34 (17W)	731	73	569	57	676	68	676	68
90C15A	17	-	-	1127	67	874	51	1039	61	1040	61
97C09A	10	542	31 (17W)	666	67	508	51	603	60	604	61
97C14A	17	-	-	1028	61	779	46	925	54	926	55
90W11A	16	-	-	-	-	739	47	869	54	873	55
90W13A	16	-	-	-	-	785	49	915	57	919	57

TITLE 24 JA8-2019 INDICATED BY SHADING

OUTPUT MULTIPLIER	
CCT	CCT SCALE
2200K (Consult factory for JA8 details)	0.800
2700K	0.957
3000K	1.000
3500K	1.019
4000K	1.030

| LIGHT LOSS FACTOR MULTIPLIER	
No Lens	1.05
CGL	1.05
SFL	1.00
FGL	0.90
FSFL	0.87
FLSL	0.83
HCL	0.65

## ☀ WARM DIM PERFORMANCE - SOFT FOCUS LENS - 40° OPTIC

WARM DIM TO MIRROR HALOGEN DIMMING PROFILE

90W13A 3200K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3200	3150	3100	3000	2700	2200	1800
Light Output (Lm)	915	732	641	457	183	91	18
Power (W)	16	13	11	8	3	1.7	0.3
Efficacy (LPW)	57	57	57	57	57	57	57
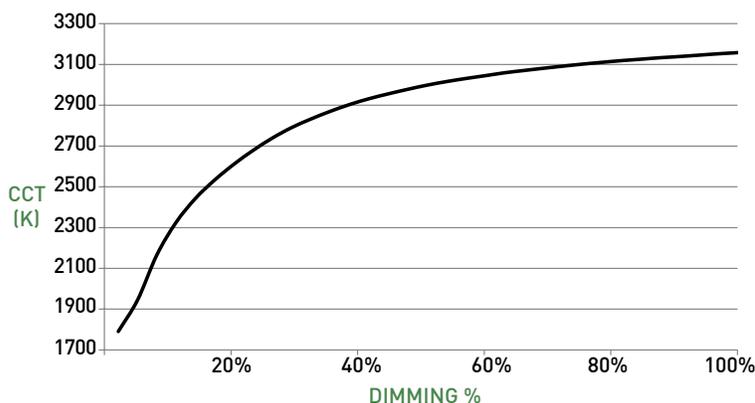
WARM DIM TO MIRROR INCANDESCENT DIMMING PROFILE

90W11A 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)	869	880	770	550	220	110	30
Power (W)	16	13	11	8	3	1.7	0.3
Efficacy (LPW)	54	54	54	54	54	54	54
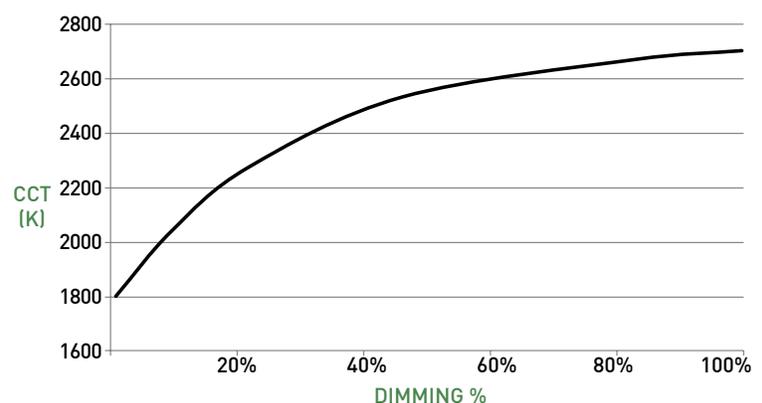
CYLINDER 1 SUSPENDED MOUNT

Dropkit STEM ASSEMBLY

(A) LUMINAIRE
Body with integrated heat sink and LED. Conceals hidden twist-on mounting hardware. Power supply may be integral or remote mount.

(B) STANDARD CANOPY
Die-cast canopy accommodates flat and slope ceiling conditions. Conceals hidden twist-on mounting hardware. "AD" (42° tilt, 357° rotation) and "9D" (90° tilt, 357° rotation) canopy features 1.50" (38mm) tall canopy. Available with integral or remote driver.
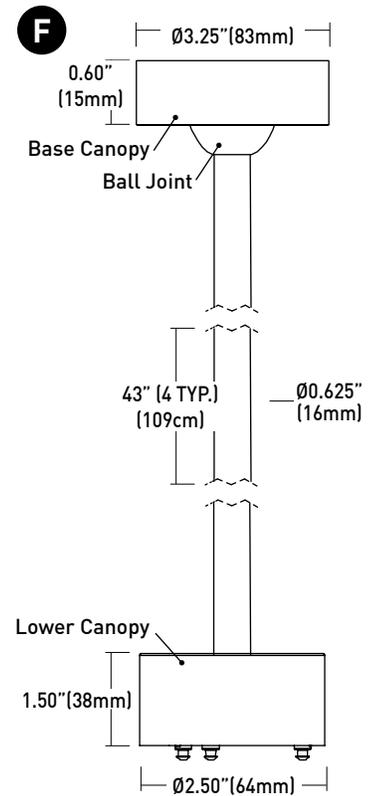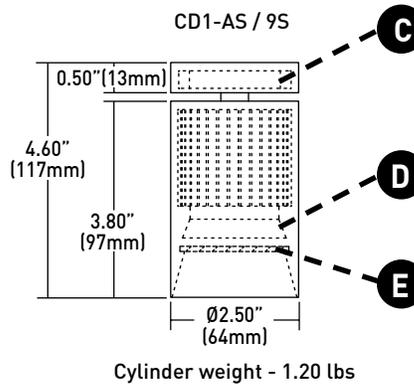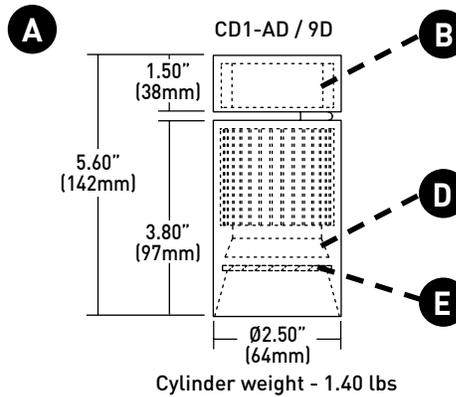
(C) SHALLOW CANOPY
Die-cast canopy accommodates flat and slope ceiling conditions. Conceals hidden twist-on mounting hardware. "AS" (42° tilt, 357° rotation) and "9S" (90° tilt, 357° rotation) canopy features 0.50" (13mm) tall canopy, reducing overall height. Requires remote power supply.

(D) STANDARD OPTICS
Proprietary optics available in 10°, 15°, 20°, 40° & 60° beams.

(E) EFFECTS DEVICE
Threaded removable cowling provides virtually seamless joint with fixture body and accepts 1 lens; soft focus lens standard.

(F) Dropkit

- Field cuttable rigid stem for suspending fixture at desired height. Provides stable base to allow preferred fixture tilt, while maintaining vertical stem position.

- Ball joint allows up to 45° tilt for sloped ceilings and can be locked once stem is positioned vertically.

- Four 43" sections available; 172" maximum standard length.

- Length adjustment occurs in lower canopy.

- Wiring for kit provided by others.

DIMENSIONS / DRAWINGS

CD1-AD / 9D

1.50" (38mm)
5.60" (142mm)
3.80" (97mm)
Ø2.50" (64mm)

Cylinder weight - 1.40 lbs

CD1-AS / 9S

0.50" (13mm)
4.60" (117mm)
3.80" (97mm)
Ø2.50" (64mm)

Cylinder weight - 1.20 lbs

Ø3.25" (83mm)
0.60" (15mm)
Base Canopy
Ball Joint
43" (4 TYP.) (109cm)
Ø0.625" (16mm)
Lower Canopy
1.50" (38mm)
Ø2.50" (64mm)

CYLINDER 1 SUSPENDED MOUNT

MOUNTING

G JBMP
Mounting plate (concealed) for standard 4" square or 4" 4/0 j-box . To be installed during rough-in prior to substrate. Fixture to mount flush with minimalist transition to ceiling.

H SMK3
Surface mount kit includes mounting plate and 4" concealer plate that installs between fixture and standard 3" 3/0 j-box for existing applications where standard j-box cutout is to be concealed.

I SMK4
Surface mount kit includes mounting plate and 5" concealer plate that installs between fixture and standard 4" 4/0 j-box for existing applications where standard j-box cutout is to be concealed.

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 two conduit entrances on either side and one conduit knockout on top of j-box. J-box is IP10 rated; painted finishes only. Blank off plugs included.
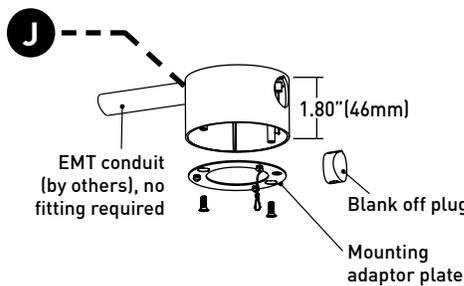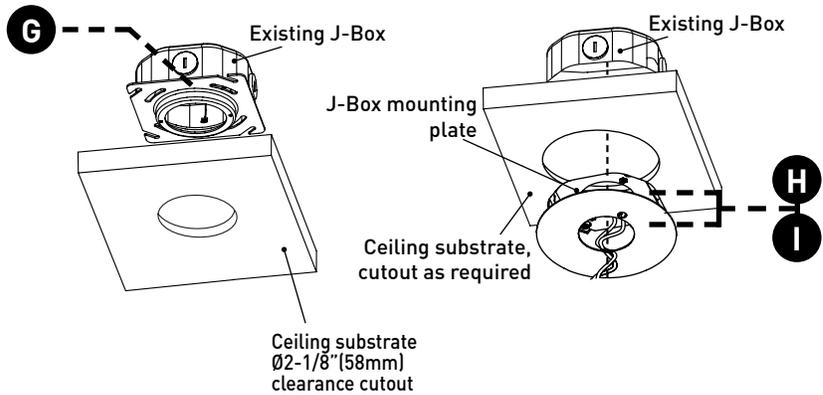
MOUNTING NOTES

• JBMP and SMK-3/0 & 4/0 not recommended for use with pancake style j-box.

REMOTE POWER SUPPLY

K PS-RMT
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

Existing J-Box

Existing J-Box

J-Box mounting plate

Ceiling substrate, cutout as required

Ceiling substrate Ø2-1/8"(58mm) clearance cutout

1.80"(46mm)

EMT conduit (by others), no fitting required

Blank off plug

Mounting adaptor plate

PS-RMT weight - 1.40 lbs

6.60"(168mm)

2.00"(51mm)

3.20"(81mm)

Conduit & wiring supplied by others
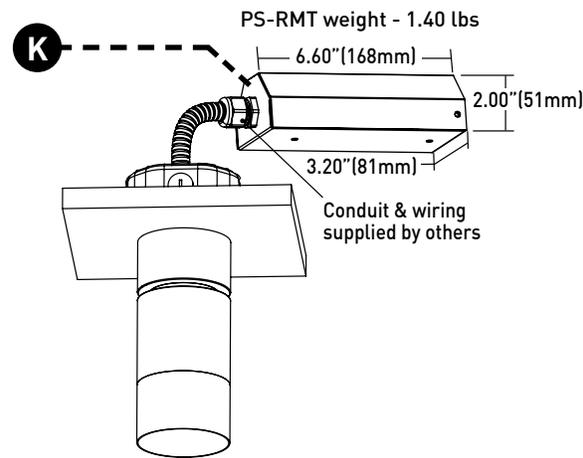
Cylinder weight - 1.20 lbs

CYLINDER 1 SUSPENDED MOUNT

TECHNICAL

CONSTRUCTION

Cylinder: Die-cast aluminum body; extruded aluminum internal heat-sink; painted finishes are granulated powder coat.

Dropkit Stem Assembly: Die-cast aluminum canopies and extruded aluminum stems; painted finishes are granulated powder coat.

CMJB: Die-cast aluminum body; painted finishes are granulated powder coat.

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 2200K, 2700K, 3000K, 3500K and 4000K. 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. 3200K 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.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

Power Supply	CA2	CE2	TR2	L23	LH1	AN4	LN2	EA2	LA2	ED1	LD1
Minimum °C	-20 °C	-20 °C	-20 °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 %	2.0%	SEE NOTE	2.0%	1.0%	1.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%

CE2 Dimming: 80C12A, 90C10A and 97C09A feature 3% dimming. 80C19A, 90C15A and 97C14A feature 2% dimming.

Note: For TR2, L23, LH1, AN4, LN2, EA2 and LA2 drivers consult chart on page 6 to confirm appropriate dimming curve for compatibility with selected control.

MOUNTING

Dropkit Stem integrates directly with specified mounting component. Provides a minimalist transition from standard 4/0 or 4" square junction boxes and accommodating ceiling thicknesses of 0.44" (12mm) to 0.75" (19mm). Ceiling-mount junction box available for 1/2" (13mm) and 3/4" (19mm) conduit and feature concealed internal clamps for clean fitting-free conduit exit and entry.

LISTING

cTUVus listed to UL1598 standard for Dry / Damp (IP10) locations. Title 24 JA8-2019 Listed.

BUY AMERICAN ACT

All CD1 configurations are Buy American Act compliant.

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 and conditional upon the use of manufacturer-supplied power supply. Consult website for full warranty terms and conditions.

CHANGE LOG

1. 09/12/2019: ADJUSTABLE FIXTURES NOW OFFERED WITH Dropkit.
2. 09/12/2019: NEW CONSOLIDATED SPEC SHEET WITH SINGLE NOMENCLATURE FOR SPECIFICATION.
3. 10/21/2019: ADDED QUICK SHIP.
4. 05/04/2020: ADDED BAA COMPLIANCE.
5. 01/12/2021: ADDED 2200K, 2700K-1800K WARM DIM AND 10 DEGREE OPTIC OFFERINGS.
6. 05/04/2021: REMOVED EMB OFFERING.

LUCIFER® LIGHTING COMPANY

luciferlighting.com

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As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

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DIMMING COMPATIBILITY

PHILIPS DRIVER COMPATIBILITY

Power supply **TR2** Manufacturer	Family/Model #
Lutron Electronics	DV-600P
Lutron Electronics	DVELV-303P
Lutron Electronics	NTELV-600
Lutron Electronics	MAELV-600
Lutron Electronics	SELV-300P
Lutron Electronics	DVLV-600P
Lutron Electronics	NFTU-5A
Lutron Electronics	CTCL-153P
Lutron Electronics	GL-600H
Lutron Electronics	S-600P
Lutron Electronics	PHPM

Power supply **AN4 / LN2** Manufacturer	Family/Model #
Lutron Electronics	DVTV plus PP-DV
Lutron Electronics	DVSCTV plus PP-DV
Lutron Electronics	DVSTV
Lutron Electronics	DVSCSTV
Lutron Electronics	QSGRJ-XP plus GRX-TVI
Lutron Electronics	QSGRJ-XE plus GRX-TVI
Lutron Electronics	QSGR-XE plus GRX-TVI
Lutron Electronics	NFTV plus PP-DV
Lutron Electronics	NTSTV
Lutron Electronics	RMJ-5T
Lutron Electronics	RMJS-8T
Lutron Electronics	FCJS-010
Leviton	IllumaTch IP7 series
Philips	Sunrise - SR1200ZTUNV

LUTRON DRIVER COMPATIBILITY

Power supply **L23** 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 **LH1** 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

eldoLED DRIVER COMPATIBILITY

Power supply **EA2 / LA2** Dimmer / Switch Control Manufacturer	Family/Model #
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IP710-DLX
Lightolier Controls	ZP600FAM120
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DVTV
Lutron Electronics	Nova® - NFTV
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLV1
Sensor Switch	nIO EZ
Synergy	ISD BC

Power supply **EA2 / LA2** Dimmer / Switch Control Manufacturer	Family/Model #
Dimmer / Switch Control Manufacturer	GrafixEye® GRX-TVI w GRX3503
	Energy Savr Node™ - QSN-4T16-S
Lutron Electronics	TVM2 Module
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
ABB	SD/S 2.16.1

LUTRON
2016 OEM
ADVANTAGE
ACCOUNT

LUCIFER® LIGHTING COMPANY

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