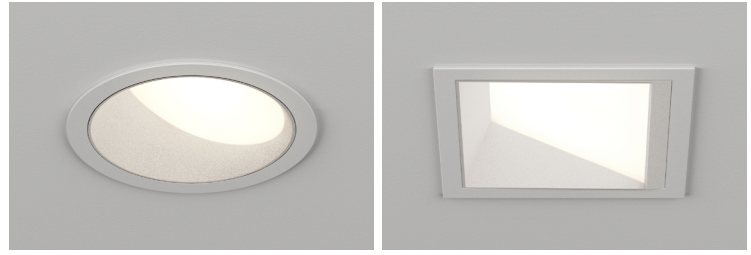# ATOMOS™2 SLIM
WALLWASH

A miniature downlight range offering impressive performance in an extremely small profile with a 2" aperture. Available as flange overlay and trimless for both drywall and millwork applications.

ORDERING INFORMATION - DOWNLIGHT / HOUSING

JA8-2019 INDICATED BY SHADING

TRIM	TRIM TYPE	FIXTURE TYPE	RATING	TRIM FINISH	BAFFLE FINISH	LUMEN PACKAGE	CCT	OPTIC	INSTALL TYPE	DRIVER	EFFECTS DEVICE
		SW						**WW**			**W**
A2RW 2" Round Standard A2SW 2" Square Standard	F Flange Overlay T Trimless Drywall	SW Slim Wallwash Housing	1 Dry / Damp (IP20) 2 Wet (IP44)	WH White AG Satin Silver AU Cashmere Gold BB Burnt Bronze BK Black 00 Trimless* * (Required for trimless) CF Custom Finish* * (Consult Factory)	WH White AG Satin Silver AU Cashmere Gold BB Burnt Bronze BK Black PR Primer CF Custom Finish* * (Consult Factory)	**STATIC WHITE** **8012D** 80+ CRI A2RW Dlvd. Lumens - 934 A2SW Dlvd. Lumens - 1032 **9010D** 90+ CRI A2RW Dlvd. Lumens - 796 A2SW Dlvd. Lumens - 874 **WARM DIM** **9009D** 90+ CRI A2RW Dlvd. Lumens - 677 A2SW Dlvd. Lumens - 712 ALL DELIVERED LUMEN OUTPUTS AND T24 COMPLIANCE REFLECT 3000K.	27 2700K 30 3000K 35 3500K 40 4000K WD 3000K - 1800K	WW Wallwash WW Wallwash	1/2" - 5/8" MAX CEILING THICKNESS **INTEGRAL DRIVER** X IC Y NIC C IC, Airtight* * (Chicago Plenum, Airtight & Title 24 compliant housing) **REMOTE DRIVER** V IC, Remote W NIC, Remote D IC, Airtight, Remote* * (Chicago Plenum, Airtight & Title 24 compliant housing)	**ALL INSTALL TYPES** PH ELV / Triac, 1%, 120V SG 0-10V Analog, LOG 1%, 120 or 277V SN 0-10V Analog, LIN 1%, 120 or 277V EG eldoLED, SOLOdrive 0.1% 0-10V, LOG, 120 - 277V EN eldoLED, SOLOdrive 0.1% 0-10V, LIN, 120 - 277V ED eldoLED, SOLOdrive 0.1% DALI-2, LOG, 120 - 277V **REMOTE ONLY** L2 Lutron, Hi-Lume 1% 2-Wire, 120V LH Lutron, Hi-Lume Ecosystem 1% Fade to Black, 120 or 277V	W Wallwash Lens

(WH) White Powder Coat

(AG) Satin Silver Powder Coat

(AU) Cashmere Gold Powder Coat

(BB) Burnt Bronze Powder Coat

(BK) Black Powder Coat

PART NUMBER NOTES
- Fixture ships as e.g., A2RWFSW1WHWH-9010D27-WWX-PH*W
- Remote driver ships as e.g., PSA2-RMT-280A-PH*

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ATOMOS2 SLIM WALLWASH

ACCESSORIES

REPLACEMENT OPTIC
Optic accessible through fixture aperture.

☐ **RO-A-WW-1**   Wallwash optic

T-GRID ACCESSORY KIT
Recommended for installations in T-Grid and furring channel up to 1.5" tall.

☐ **DHA-TG-KIT**

HANGER BAR EXTENDER KIT
Extends hanger bars from 24.0" to 46.0" maximum.

☐ **FRX-HBE-46**   Extender, Hanger Bar.

EMERGENCY LIGHTING - REMOTE MOUNT ONLY
During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

☐ **EMB-S-20/25-120/277-LEDX**   20/25 watt max capacity, 120 or 277 VAC 60Hz, Non-Dimmable
☐ **EMB-S-100-120-LEDX**   100 watt max capacity, 120 VAC 60Hz, Dimmable
☐ **EMB-S-100-277-LEDX**   100 watt max capacity, 277 VAC 60Hz, Dimmable
☐ **EMB-S-250-120/277-LEDX**   250 watt max capacity, 120 or 277 VAC 60Hz, Dimmable

STATIC WHITE PERFORMANCE - 3000K

ROUND

LUMEN PACKAGE	WATTAGE	WW OPTIC WALLWASH LENS	
		DELIVERED	LPW
8012D	12	934	77
9010D	12	796	66
9009D	12	677	58

SQUARE

LUMEN PACKAGE	WATTAGE	WW OPTIC WALLWASH LENS	
		DELIVERED	LPW
8012D	12	1032	87
9010D	12	874	74
9009D	12	712	61

OUTPUT MULTIPLIER	
CCT	CCT SCALE
2700K	0.95
3000K	1.00
3500K	1.05
4000K	1.06

FINISH LIGHT LOSS FACTOR	
BAFFLE FINISH	LLF
WHITE	1.00
SATIN SILVER	0.86
CASHMERE GOLD	0.86
BLACK	0.83
BURNT BRONZE	0.80

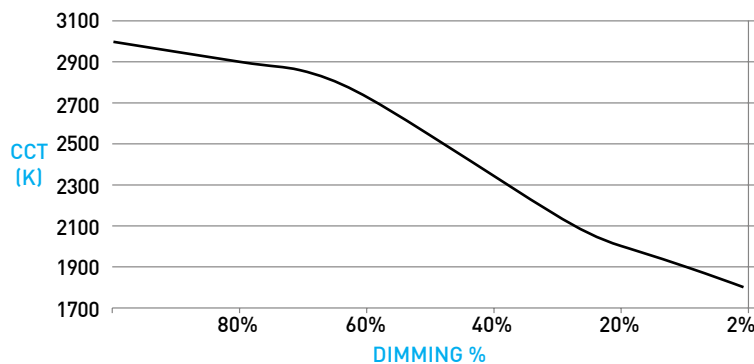**TITLE 24 COMPLIANT — JA8-2019 INDICATED BY SHADING**

WARM DIM PERFORMANCE - WALLWASH

ROUND

9009D 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	2900	2850	2550	2000	1900	1800
Light Output (Lm)	677	542	474	339	135	68	13
Power (W)	12	9.6	8.4	6	2.4	1.2	0.2
Efficacy (LPW)	58	58	58	58	58	58	58

SQUARE

9009D 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	2900	2850	2550	2000	1900	1800
Light Output (Lm)	712	570	498	356	142	71	14
Power (W)	12	9.6	8.4	6	2.4	1.2	0.2
Efficacy (LPW)	61	61	61	61	61	61	61

ATOMOS2 SLIM WALLWASH

WALLWASH DESIGN GUIDE

ROUND

30" SETBACK / 30" ON CENTER SPACING
- AVERAGE FC: 11.48
- MIN / MAX: 5.81
- 10FT CEILING SHOWN / 8-12FT IDEAL
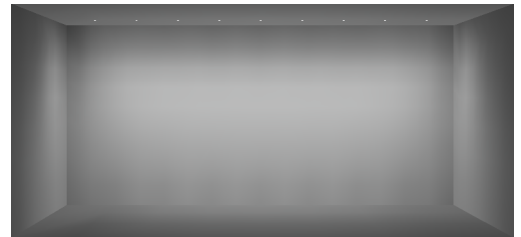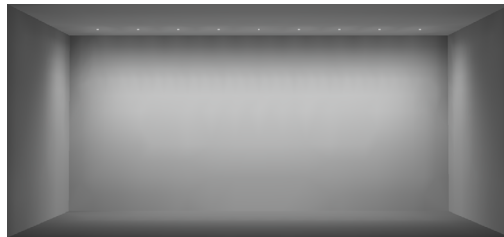- 9 FIXTURES / 25FT WALL SHOWN

RECOMMENDED
36" SETBACK / 36" ON CENTER SPACING
- AVERAGE FC: 9.26
- MIN / MAX: 5.30
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 30FT WALL SHOWN

42" SETBACK / 42" SPACING ON CENTER
- AVERAGE FC: 7.22
- MIN / MAX: 7.60
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 35FT WALL SHOWN

SQUARE

30" SETBACK / 30" ON CENTER SPACING
- AVERAGE FC: 12.64
- MIN / MAX: 4.83
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 25FT WALL SHOWN

RECOMMENDED
36" SETBACK / 36" ON CENTER SPACING
- AVERAGE FC: 11.30
- MIN / MAX: 4.46
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 30FT WALL SHOWN

42" SETBACK / 42" SPACING ON CENTER
- AVERAGE FC: 8.07
- MIN / MAX: 5.76
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 35FT WALL SHOWN

ADDITIONAL SPACINGS AND SETBACKS

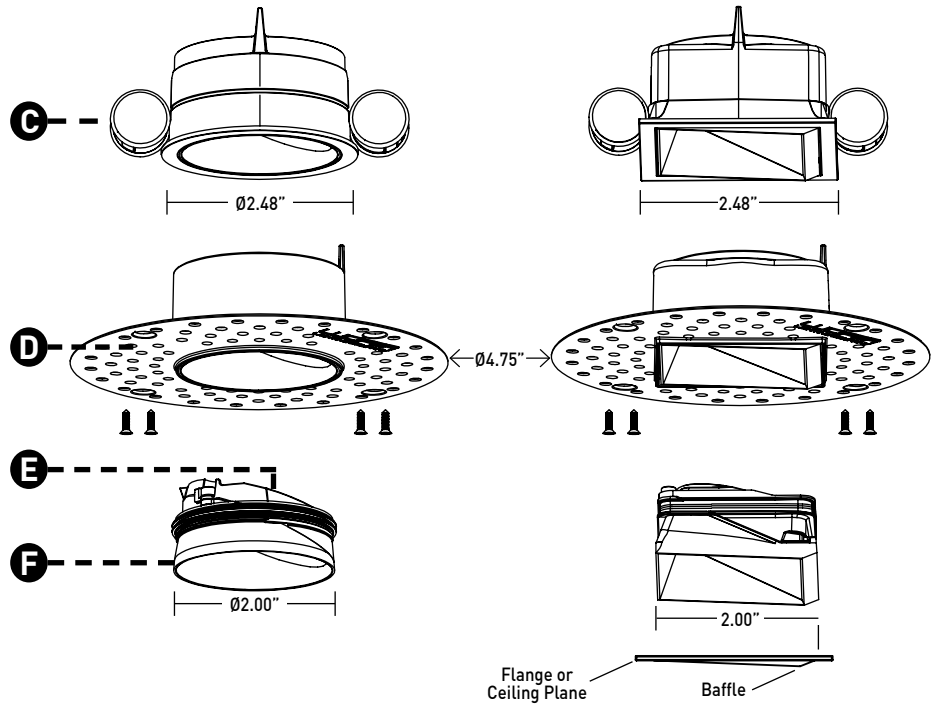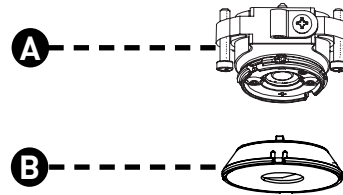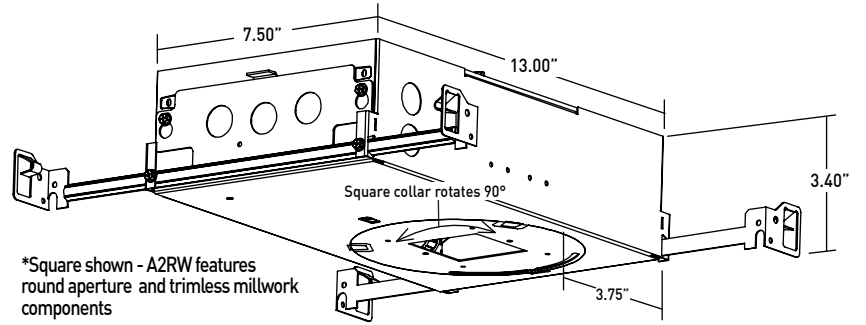| ROUND			
ON CENTER SPACING	SETBACK		
	30"	36"	42"
30"	SHOWN ABOVE	AVERAGE FC: 10.51 MIN / MAX: 5.83	AVERAGE FC: 9.62 MIN / MAX: 6.50
36"	AVERAGE FC: 10.01 MIN / MAX: 5.47	SHOWN ABOVE	AVERAGE FC: 8.53 MIN / MAX: 5.46
42"	AVERAGE FC: 8.47 MIN / MAX: 7.20	AVERAGE FC: 7.81 MIN / MAX: 7.18	SHOWN ABOVE

SQUARE			
ON CENTER SPACING	SETBACK		
	30"	36"	42"
30"	SHOWN ABOVE	AVERAGE FC: 11.68 MIN / MAX: 4.51	AVERAGE FC: 10.77 MIN / MAX: 4.69
36"	AVERAGE FC: 10.98 MIN / MAX: 4.43	SHOWN ABOVE	AVERAGE FC: 9.56 MIN / MAX: 4.09
42"	AVERAGE FC: 9.32 MIN / MAX: 5.75	AVERAGE FC: 8.67 MIN / MAX: 5.44	SHOWN ABOVE

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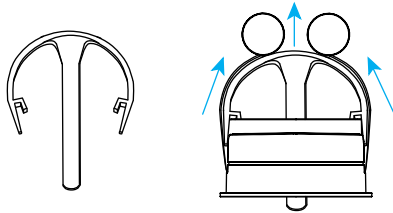[DATE OF REV: 02152023]

ATOMOS2 SLIM WALLWASH

DOWNLIGHT

A LED
LED module design enables field service / replacement through housing aperture. LED assembly ships uninstalled from housing

B OPTIC
35° optic.

C FLANGE OVERLAY
Installed after ceiling is complete. Requires 2-5/16" diameter cutout. Provides 0.16" total contractor (goof) allowance with 0.20" flange. Thickness measures 0.06".

D TRIMLESS DRYWALL
Installs totally flush with the ceiling with no visible trim. Appliqué includes screws for mounting and has 0.06" plaster stop. Not recommended for stucco applications.

E EFFECTS DEVICE
Acrylic wallwash lens, included and sealed in place.

F BAFFLE
Die-cast removable baffle minimizes aperture glare and conceals view into housing or ceiling; includes silicone gasket. Square baffle sits proud of the flange or ceiling plane to provide enhanced wallwashing effect.

INSTALLATION

- **INSTALLATION TOOL**
Minimum 1 provided for every 10 flange overlay fixtures.

DIMENSIONS / DRAWINGS

7.50"
13.00"
3.40"

Square collar rotates 90°

*Square shown - A2RW features round aperture and trimless millwork components

3.75"

A

B

C
Ø2.48"
2.48"

D
Ø4.75"

E

F
Ø2.00"
2.00"

Flange or Ceiling Plane
Baffle

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ATOMOS2 SLIM WALLWASH

HOUSING

G HOUSING
- For IC or Non-IC ceilings.
- Chicago Plenum, Airtight and Title 24 (JA8) listed.
- Requires 2-5/16" cutout for flange overlay and trimless drywall applications.
- Accommodates max 1300 delivered lumens.
- No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top.

H ADJUSTABLE HANGER BAR HEIGHT ACCESSORY
Specified as DHA-TG-KIT and recommended for installations in T-Grid and with furring channel. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 1/2" to 5/8" max.
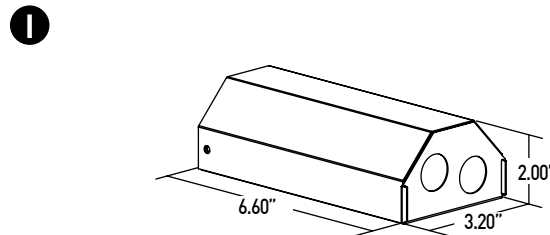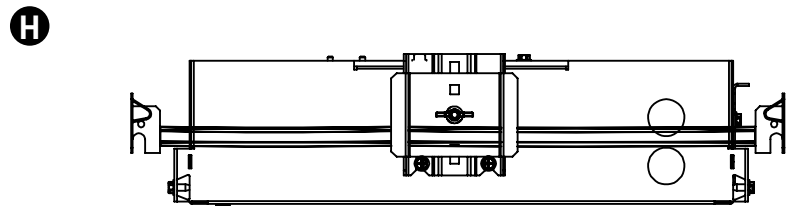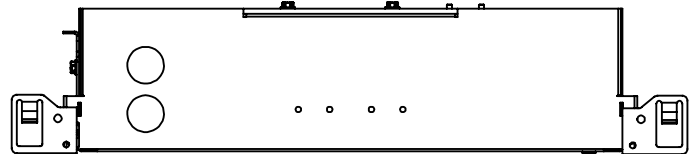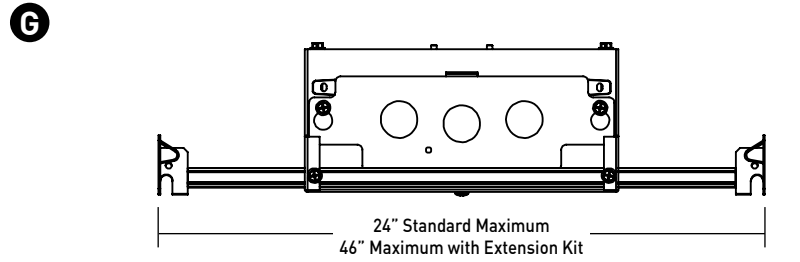
HOUSING NOTES

- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.
- Hanger bars can be fitted to long or short side of housing; extend from 14.0" to 24.0", but may be field cut to accommodate narrow stud spacing. Can be extended up to 46" maximum with FRX-HBE-46 kit.
- Hanger bars and brackets add 3.16" to the overall dimension but are exclusive of the setback requirements.
- Housings feature a round or square aperture accommodating ceiling thicknesses between 1/2" to 5/8" max.

REMOTE POWER SUPPLY

I REMOTE POWER SUPPLY
Provided with install types "C" and "D". Remote power supply provides additional driver options. Consult page 6 for maximum allowable secondary run lengths between PSA2-RMT and fixture. Must be installed in an accessible location.

DIMENSIONS / DRAWINGS

G

24" Standard Maximum
46" Maximum with Extension Kit

H

I

2.00"
6.60"
3.20"

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ATOMOS2 SLIM WALLWASH

TECHNICAL

CONSTRUCTION
Housing: Aluminum and 22 Gauge galvanized steel.
Remote Power Supply: 22 Gauge galvanized steel.
Appliqué: High strength fiber reinforced polymer.

STATIC WHITE LED
2-step MacAdam ellipse LED module available in 80+ and 90+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life: 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 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

	ELV		ECO	0-10V				DALI
Power Supply	PH	L2	LH	SG	SN	EG	EN	ED
Minimum °C	-10 °C	0 °C	0 °C	-10 °C	-10 °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
Dimming %	1.0%	1.0%	1%	1.0%	1.0%	0.1%	0.1%	0.1%

Note: For L2, LH, EG and EN drivers consult chart on page 7 to confirm appropriate dimming curve for compatibility with selected control.

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

	WIRE AWG				
DRIVER	12	14	16	18	20
PH, SG, SN	285'	180'	113'	71'	45'
L2, LH, LP	60'	40'	25'	15'	-
EG, EN, ED	-	-	118'	72'	46'

SPACING
Recommended fixture spacing is 36" on center with 36" setback from wall plane.

LISTING
UL listed to UL1598 standard for Dry / Damp and Wet locations. Chicago Plenum, Airtight and Title 24 JA8-2019 Listed. Patent Pending.

BUY AMERICAN ACT
All IC and Non-IC Atomos 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. Consult website for full warranty terms and conditions.

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DIMMING COMPATIBILITY

LUTRON DRIVER COMPATIBILITY

Power supply **L2** 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 **LH** 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 **EG** 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 **EN** 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

LUTRON
2016 OEM
ADVANTAGE
ACCOUNT

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