MONOPOINT CM2 SURFACE MOUNT

CM2 SURFACE MOUNT	R
Elegant design means this monopoint does more. An inven- tive elbow built into the fixture body that allows a full 90 degree tilt and drop lengths of up to 1' extend adjustability.	

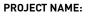
ORDERING INFORMATION - MONOPOINT						JA8-2022 COMPLIANCE INDICAT				E INDICATED	BY SHADING
YLINDER	LENGTH	FIXTURE	BODY FINISH	BAFFLE FINISH	STEM FINISH	CRI/WATTAGE PACKAGE	ССТ	optic (Ugr)	DRIVER	MEDIA	MOUNTING
CM2											
		15° Tilt* F32 Fixed 30° Tilt* F42 Fixed 45° Tilt* *FIXED ANGLE TILT IS SET AS SPECIFIED, CANNOT BE CHANGED IN THE FIELD THE FIELD	POWDERCOAT WH White BK Black AB Architectural Bronze AG Satin Silver AU Cashmere Gold BB Burnt Bronze CF Custom Finish* *(Consult Factory) ALUMINA INTERIOR APPLICATIONS ONLY OI Brushed Obsidian O2 Matte Obsidian O2 Matte Obsidian O3 Brushed Dark Patinated Bronze O4 Matte Dark Patinated Bronze O5 Brushed Aged Aluminum O6 Matte Aged Aluminum O6 Matte Aged Aluminum O7 Brushed Cast Brass O8 Matte Cast Brass O9 Brushed Light Patinated Bronze O1 Matte Light Patinated Bronze O3 Brushed Light Patinated Bronze O4 Matte Light Patinated Bronze O5 Brushed D5	511*3040CA*4	POWDERCOAT WH White BK Black AB Architectural Bronze AG Satin Silver AU Cashmere Gold BB Burnt Bronze CF Custom Finish* *(Consult Factory) ALUMINA CONSULT FACTORY FOR ALUMINA FINISHES	STATIC WHITE 80511A 80+ CRI, 11 Watts Im Delivered - 1216 80517A 80+ CRI, 11 Watts Im Delivered - 1843 90511A 90+ CRI, 11 Watts Im Delivered - 1645 90517A 90+ CRI, 11 Watts Im Delivered - 1583 97511A 97+ CRI, 11 Watts Im Delivered - 918 97517A 97+ CRI, 11 Watts Im Delivered - 918 97517A 97+ CRI, 12 Watts Im Delivered - 2756 90528B 80+ CRI, 28 Watts Im Delivered - 2756 90528B 90+ CRI, 28 Watts Im Delivered - 2766 90528B 90+ CRI, 28 Watts Im Delivered - 2766 90528B 90+ CRI, 28 Watts Im Delivered - 2796 90528B 97+ CRI, 28 Watts Im Delivered - 2079 WARM DIM 90W18A 90+ CRI, 18 Watts Incandescent Profile Im Delivered - 1140 Halogen Profile Im Delivered - 1128 SEE PAGE 3 FOR WARM DIM PROFILE COM- PARISON.	24 2400K* *(90+ CRI only) 27 27 2700K 30 3000K 35 3500K 40 4000K 27 270K 30 3000K 35 3500K* * 3500K* * 3500K* * 500K* * 500K* * 1800K WD 3000K - 1800K TH 5000K - 2700K 2700K 1800K TR 4000K - 1800K	20 20° (<10) 25 25° (<10)	CE Electronic ELV / TRIAC 120V REMOTE (120V) RE Electronic ELV / TRIAC 120V RA 0-10V Analog LH Lutron, Hi-Lume Ecosystem 1% Fade to Black, LP Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black, LP Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black, EG eldoLED, SOLOdrive 0.1% 0-10V, LOG EN eldoLED, SOLOdrive 0.1% 0-10V, LIN ED eldoLED, SOLOdrive 0.1% * 1Includes Athena Node. Increased lead time, consult factory. ASR includes shunt.] CS1/Casambi Control CS7 (casambi Control CS7 (casam	STANDARD MEDIA 4 Soft Focus Lens* *(Required for 10° optic) 2 Honeycomb Louver* *(Not available for Wet Location or 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 Soft Focus Lens w/ Honeycomb Louver 7 Frosted Glass Lens w/ Honeycomb Louver 8 No Lens* *(Not available for Wet Location or Warm Dim)	ROUGH-IN J JBMP 4" Sq. or 4/0 Junction Box Mounting Plate. Features 3.25" diameter canop 'Mounting plate must be installed on junction box prior to ceiling installation]. FINISH OUT C CMJB 1/2" and 3/4" Conduit Ceiling Mount Junction Box. Features matching 3.25" canopy.* "Notavaliable for Wet Location. Only available in powdercoat finishes. Alumina finish fixtures ship with Black powder coat CMJB] G Zero Sightline Gypsum [1/16" Appliqué Features 2.6" diameter canopy.* "Mounts to 4/0 junction box] R Remodel 4.5" diameter Flange Overlay Canopy.*





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ACCESSORIES

REPLACEMENT MEDIA

HCL-CT2 *(Not available for	Honeycomb Louver* • Warm Dim)
CGL-CT2	Clear Glass Lens*
*(Not available for	'Warm Dim)
SFL-CT2	Soft Focus Lens
🗆 FGL-CT2	Frosted Glass Lens
□ FSFL-CT2	Frosted Soft Focus Lens
FLSL-CT2	Frosted Linear Spread Lens

SECOND MEDIA GASKET

Replaces standard gasket when installing second media. Not required if two media are specified with fixture.

□ 2EDG-CT2 Two Media Gasket

REPLACEMENT OPTICS

Interchangeable optics accessible by removing baffle.

Static W	hite	Warm D	im	Tunable V	Vhite
🗆 R0-70-15-S	15° optic	🗆 R0-70-20-W	20° optic	🗆 R0-70-15-S	15° optic
🗆 R0-70-20-S	20° optic	🗆 R0-70-25-W	25° optic	🗆 R0-70-20-S	20° optic
🗆 R0-70-25-S	25° optic	🗆 R0-70-40-W	40° optic	🗆 R0-70-25-S	25° optic
🗆 R0-70-40-S	40° optic	🗆 R0-70-60-W	60° optic	🗆 R0-70-40-S	40° optic
🗆 R0-70-60-S	60° optic			🗆 R0-70-60-S	60° optic

EMERGENCY LIGHTING - REMOTE MOUNT ONLY

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

ble
1

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



MONOPOINT CM2 SURFACE MOUNT

PERFORMANCE - 3000K

LUMEN		10° 0 FIELD R		15° 0 SOFT FOC		20° 0 SOFT FOC		25° C SOFT FOC		40° 0 SOFT FOC		60° C SOFT FOC	
PACKAGE	WATTAGE												
PACKAGE		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S11A	11	613	55	1143	104	1216	111	1202	109	1124	102	949	86
80S17A	17	828	49	1750	103	1843	108	1823	107	1690	99	1440	85
80S28B	28	-	-	2571	92	2756	98	2694	96	2529	90	2072	74
90S11A	11	528	48	982	89	1045	95	1033	94	966	88	815	74
90S17A	17	714	42	1503	88	1583	91	1566	92	1452	85	1237	73
90S28B	28	-	-	2209	79	2368	85	2314	83	2193	78	1780	64
97S11A	11	456	41	862	78	918	83	907	82	848	77	716	65
97S17A	17	616	36	1320	78	1390	82	1375	81	1275	75	1086	64
97S28B	28	-	-	1939	69	2079	74	2032	73	1908	68	1563	56
90W18A (2700K-1800K)	18	-	-	-	-	1140	63	1128	63	1044	58	915	51
90W18A (3000K-1800K)	18	-	-	-	-	1128	63	1126	63	1063	59	926	51
90T28A (4000K-1800K)	28	-	-	1972	70	1995	71	1971	70	1837	66	1655	59
90T28A (5000K-2700K)	28	-	-	1954	70	1977	71	1953	70	1820	65	1640	59

JA8-2022 INDICATED BY SHADING

UNIFIED GLARE RATING

10° OPTIC	15° OPTIC	20° OPTIC	25° OPTIC	40° OPTIC	60° OPTIC
FIELD REDUCER	SOFT FOCUS LENS				
>19	<13	<13	<13	<13	

MEDIA LIGHT LOSS MULTIPLIER

MEDIA	LIGHT LOSS FACTOR
No Lens	1.05
CGL	1.00
SFL	1.00
FGL	0.85
FSFL	0.82
FLSL	0.78
HCL	0.75
SFL W/ HCL	0.68
FGL W/ HCL	0.47

OUTPUT MULTIPLIER

ССТ	CCT SCALE					
2400K	0.85					
2700K	0.97					
3000K	1.000					
3500K	1.03					
4000K	1.08					

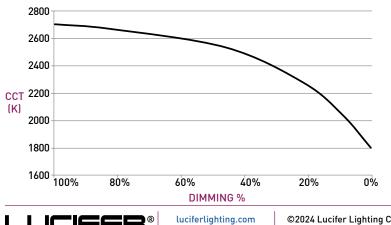
TUNABLE WHITE MULTIPLIER

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

WARM DIM PERFORMANCE - SOFT FOCUS LENS - 20° OPTIC

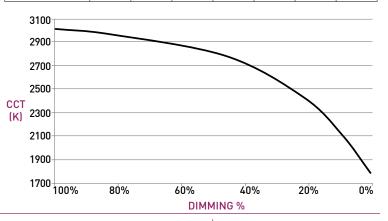
INCANDESCENT DIMMING PROFILE

90W18AL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
ССТ (К)	2700	2650	2620	2520	2180	1950	1800
Light Output (lm)	1128	902	790	564	226	113	23
Power (W)	18	14.4	12.6	9	3.6	1.8	0.36
Efficacy (LPW)	63	63	63	63	63	63	63



HALOGEN WARM DIM PROFILE

90W18AD 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)	1140	912	798	570	228	114	23
Power (W)	18	14.4	12.6	9	3.6	1.8	0.36
Efficacy (LPW)	62	62	62	62	62	62	62





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MONOPOINT CM2 SURFACE MOUNT

MONOPOINT

STEM

Standard length is 1.4", available in eveninch increments between 2"-12". Stem is not field cuttable. Powdercoat finishes standard, consult factory for Alumina finishes.

BODY

Available in powdercoat finishes and Alumina finishes (interior applications only). Power supply integrated into fixture body.

O OPTICS

Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams.

10° FIELD REDUCER

Soft Focus Lens, Honeycomb Louver, and Field Reducer provided with 10° optic. Reduces field angle by 30%.

MEDIA

Soft Focus Lens standard. Wet location media sealed in place.

B BAFFLE

Accepts 2 media devices. Baffle minimizes aperture glare and conceals view into fixture. Powdercoat finishes standard, consult factory for Alumina finishes.

G CANOPY

Adjustable Dry/Damp fixture features 0.175" and Fixed Wet fixture features 0.3" tall canopy.

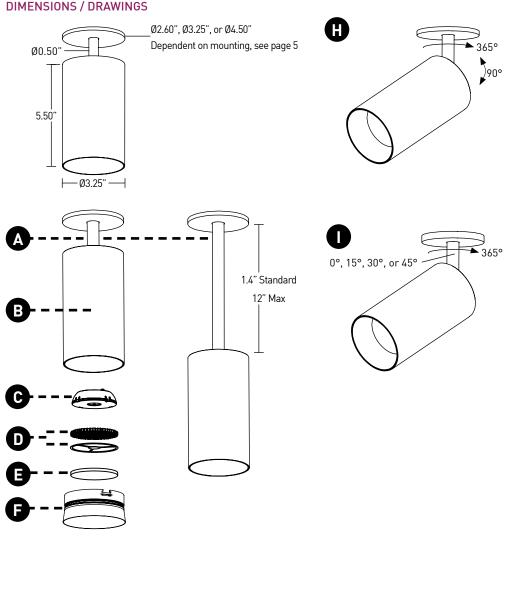
ADJUSTABLE FIXTURE

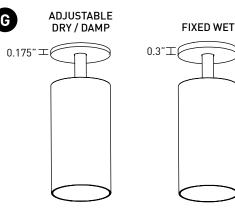
Features 90° tilt and 365° rotation. Only available for Dry / Damp locations.

FIXED FIXTURE

Available with pre-set tilts of 0°, 15°, 30°, or 45°, and features 365° rotation. Wet rated, may be used in Dry / Damp locations.

IMPORTANT: FIXED FIXTURE TILT CANNOT BE ADJUSTED OR CHANGED IN THE FIELD, FIXTURES MUST BE RETURNED TO FACTORY FOR TILT CHANGES AT ADDITIONAL COST.







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MOUNTING

JUNCTION BOX MOUNTING PLATE

Mounting plate (concealed) for standard 4" square or 4" 4/0 j-box . To be installed during rough-in, prior to substrate, for ceiling thicknesses up to 0.75". Fixture to mount flush with minimalist transition to ceiling.

Part Number - CM-JBMP.

Ø ZERO-SIGHTLINE

Provided with mud-in appliquè that mounts to standard 4" 4/0 juntion box. Allows fixture canopy to be recessed into ceiling for a flush or zero-sightline aesthetic. Standard plaster stop thickness of 1/16". Not recommended for stucco applications.

Dry / Damp Part Number - DLA-APP-CM

Wet Part Number - DLA-APP-CM-2

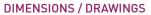
CEILING MOUNT JUNCTION BOX

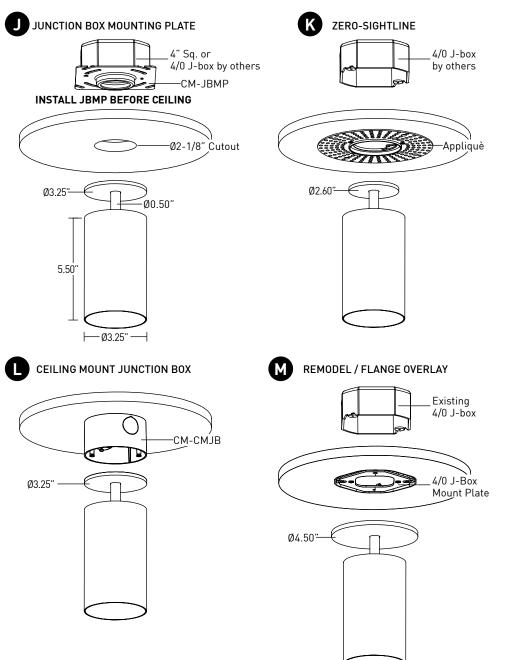
Ceiling mount junction box perfectly matches canopy profile for a continuous, integrated look where exposed ceiling mount junction box and conduit applications apply. For use with 1/2" and 3/4" EMT conduit only. Features two conduit entrances on either side and one conduit knockout on top of j-box. J-box is IP10 rated (Dry / Damp); powdercoat finishes only. Blank off plugs included.

Part number - CM-CMJB-(Finish).

M REMODEL / FLANGE OVERLAY

Provided with oversized canopy and mounting plate for standard 4" 4/0 junction boxes. Ideal for existing applications and features oversized 4.5" canopy to cover standard 4" octagon box cutout.







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MONOPOINT CM2 SURFACE MOUNT

REMOTE POWER SUPPLY

Remote power supply provides additional driver options. See page 7 for maximum allowable wiring distance. Must be installed in an accessible location.

• ATHENA / CASAMBI CONTROL Controls integrated into remote driver assembly. All equipment is serviceable.

Athena Model Numbers: A-WN-D01-RF-BL & DFC-0EM-DBI

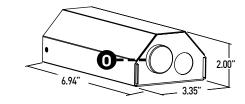
Casambi Model Number: BT-S1E1-5400

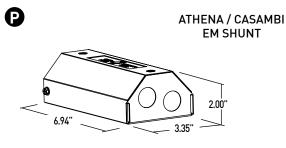
ATHENA / CASAMBI EM SHUNT

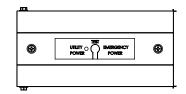
Inlcuded with drivers specified as ASR, ATR, CSR, or CTR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.

Model Number: PS-RMT-SHUNT

DIMENSIONS / DRAWINGS









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TECHNICAL

CONSTRUCTION

<u>Monopoint</u>: Machined aluminum body; painted finishes are granulated powder coat; Alumina finishes are anodized aluminum. <u>Remote Power Supply</u>: 22 Gauge galvanized steel. <u>Appliqué</u>: Machined Aluminum

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 configurations in color temperature of 2400K. Average rated lamp life of 50,000 hours.

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.

TUNABLE WHITE LED

3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning ranges of 1800K to 4000K and 2700K to 5000K. Average rated lamp life of 50,000 hours.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

CHANGE LOG

1.04/27/2023: ADDED AU AND BB FINISHES OPTIONS FOR BODY AND STEM.

2.04/27/2023: ADDED DECLARE LBC RED LIST APPROVED.
3.08/07/2023: ADDED NEW LED AND OPTIC OFFERINGS.
REMOVED 2400K OFFERING.
4.01/17/2024: ADDED WET RATED FIXED FIXTURE, ATHENA AND CASAMBI CONTROL, AND INTEGRAL WARM DIM OFFERINGS.
5.02/13/2024: ADDED TUNABLE WHITE OFFERING.
6.03/18/2024: UPDATED 10 DEGREE NARROW BEAM TO UTILIZE FILED REDUCER.

7.07/15/2024: REMOVED L2 DRIVER OFFERING. 8.09/19/2024: UPDATED WITH NEW BAFFLE DESIGN.

		PHASE	E	CO				0-10V				DAI	LI-2	ATH	ENA	CASA	AMBI
	Power Supply	CE/RE	LH	LP	CA/RA	SG	SN	EG	EN	DG	DN	ED	DD	AS	AT	CS	СТ
	Minimum °C	-20 °C	0°C	0°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%	1.0%	0.1%	2.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For LH, LP, SG, SN, EG, EN, DG, and DN drivers consult chart on page 8 to confirm appropriate dimming curve for compatibility with selected control.

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

	WIRE AWG				
DRIVER	12	14	16	18	20
RA, RE	-	164'	105'	66'	40'
SG, SN	285'	180'	113′	71'	45'
LH, LP	60'	40'	25'	15'	-
EG, EN, ED, DG, DN, DD, AS, AT, CS, CT	-	-	118'	72	46'

LISTING

cTUVus listed to UL1598 standard for Dry / Damp and IP65 Wet locations. Title 24 JA8-2022 Listed. NEMA 410 Compliant.

DECLARE

LBC Red List Approved.

BUY AMERICA ACT

All CM2 Adjsutable and Fixed fixtures are BAA compliant.

LIMITED WARRANTY

Manufacturer's Limited Warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service for 1-year. LED and power supplies are warranted to operate with 70% of original flux and remain within a range of 3 duv for a period of 5-years. 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 COMPATABILITY

PHILIPS DRIVER COMPATIBILITY

Power supply SG 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

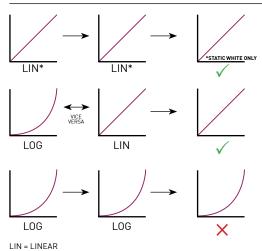
Power supply LH / LP Lutron Product Family	Part No.			
PowPak Dimming Modules	RMJ-EC032-DV-B			
PowPak Dimming Modules	FCJ/FCJS-ECO			
Energi Savr Nodes	QSN-1ECO-S			
GRAFIK Eye QS control unit Homeworks QS control unit	QSN-2ECO-S			
GRAFIK Eye QS control unit Homeworks QS control unit	QSGRJE (wireless) QSGRE			
Quantum Hub	QP22C			
Quantum Hub	QP24C			
Quantum Hub	QP26C			
Quantum Hub	QP28C			
Homeworks QS power module myRoom Plus power module	LQSE-2ECO-D			



eldoLED DRIVER COMPATIBILITY

Power supply EG, DG 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 EN, DN 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 = LINEAR LOG = LOGARITHMIC *LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM



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