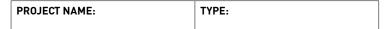
MONOPOINT

CM1 HANG STRAIGHT

An innovative solution for sloped ceilings, this monopoint "hang straight" can suspend with a rigid stem up to 4' in length, for ceiling pitches up to 45° while still allowing for a full 90° tilt.





ORDERING INFORMATION - MONOPOINT



JA8-2022 COMPLIANCE INDICATED BY SHADING

							24	JA0-20	22 COMPLIANC	E INDICALED	DI SHADING
LINDER	LENGTH	FIXTURE	BODY FINISH	BAFFLE FINISH	STEM FINISH	CRI/WATTAGE PACKAGE	сст	OPTIC (UGR)	DRIVER	MEDIA	MOUNTING
СМ1		HS1									
ART NUI		Fixture Titt, Max ceiling pitch 12/12 [45°]	POWDERCOAT WH White BK Black AB Architectural Bronze AG Satin Silver AU Cashmere Gold BB Burnt Bronze CF Custom Finish* *(Consult Factory) ALUMINA 01 Brushed Obsidian 02 Matte Obsidian 03 Brushed Dark Patinated Bronze 04 Matte Dark Patinated Bronze 05 Brushed Aged Aluminum 06 Matte Aged Aluminum 07 Brushed Cast Brass 08 Matte Cast Brass 09 Brushed Light Patinated Bronze 10 Matte Light Patinated Bronze	BB Burnt Bronze CF Custom Finish* *(Consult Factory) ALUMINA CONSULT FACTORY FOR ALUMINA FINISHES	BB Burnt Bronze CF Custom Finish* *(Consult Factory) ALUMINA	STATIC WHITE 80S11A 80+ CRI, 11 Watts Im Delivered - 1095 90S11A 90+ CRI, 11 Watts Im Delivered - 941 97S11A 97+ CRI, 11 Watts Im Delivered - 826 REMOTE STATIC WHITE 80S17A 80+ CRI, 17 Watts Im Delivered - 1655 90S17A 90+ CRI, 17 Watts Im Delivered - 1422 97S17A 97+ CRI, 17 Watts Im Delivered - 1249 WARM DIM 90W11A 90+ CRI, 11 Watts Incandescent Profile Im Delivered - 654 Halogen Profile Im Delivered - 658 REMOTE WARM DIM 90W18A 90+ CRI, 18 Watts Incandescent Profile Im Delivered - 1017 Halogen Profile Im Delivered - 1017 SEE PAGE 4 FOR WARM DIM PROFILE COMPARISON REMOTE TUNABLE WHITE 90T17A 90+ CRI, 17W Cool Profile: 5000K - 2700K Im Delivered - 888 Warm Profile: 4000K - 1800K Im Delivered 896	WL 2700K - 1800K WD 3000K - 1800K TH 5000K - 2700K TR 4000K - 4000K - 1800K	20 20° (<10) 25 25° (<10) 40 40° (<13) 20 20° (<10) 60 60° (<13) 20 20° (<10) 25 25° (<10) 40 40° (<13) 15 15° (<13) 20 20° (<10) 25 25° (<10) 25 25° (<10) 25 25° (<10) 25 25° (<10)	120-277V CE Electronic ELV / TRIAC 120V REMOTE [120V] RE Electronic ELV / TRIAC 120V RE Electronic ELV / TRIAC 120V REMOTE [120V-277V] RA 0-10V Analog LH Lutron, Hi-Lume Ecosystem 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% 0-10V, LIN CS1 / Casambi Control ASR eldoLED, DUALdrive 0.1%* *(Includes Athena Node. Increased lead time, consult factory. ASR includes shunt.) CS1 / Casambi Control CSR eldoLED, DUALdrive 0.1%* *(Includes Athena Node. Increased lead time, consult factory. CSR includes shunt.) TUNABLE WHITE POWER SUPPLIES (120-277V) DD1 eldoLED, DUALdrive 0.1% DALI-2, LOG DG1 eldoLED, DUALdrive 0.1% DALI-2, LOG	Lens w/ Honeycomb Louver N No Lens* *(Not available for Wet Location or Warm Dim)	ROUGH-IN J JBMP 4" Sq. or 4/0 Junction Box Mounting Plate. Features 2.6" diameter canopy *Mounting plate must be installed on junction box prior to ceiling installation) FINISH OUT G Zero Sightline Gypsum (1/16" Applique) Features 2.6" diameter canopy* *(Mounts to 4/0 junction box) W Zero Sightline Millwork Features 2.6" diameter canopy* *(Mounts to 4/0 junction box. Requires accessory part number CMHS-RT6 order separately.) R Remodel 4.5" Flange Overlay Canopy* *(Mounts to existing 4/0 junction box)



FINISHES

POWDERCOAT FINISHES



ALUMINA FINISHES BY LUCIFER LIGHTING™



ACCESSORIES

REPLACEMENT MEDIA

☐ HCL-CT1 Honeycomb Louver*

*(Not available for Warm Dim)

☐ CGL-CT1 Clear Glass Lens*

*(Not available for Warm Dim)

☐ SFL-CT1 Soft Focus Lens ☐ **FGL-CT1** Frosted Glass Lens ☐ FSFL-CT1 Frosted Soft Focus Lens

☐ FLSL-CT1 Frosted Linear Spread Lens

REPLACEMENT OPTICS

Interchangeable optics accessible by removing baffle.

Static W	hite	Warm D	im	Tunable White			
☐ R0-50-15-S	15° optic	□ R0-50-20-W	20° optic	☐ RO-50-15-T	15° optic		
☐ R0-50-20-S	20° optic	□ R0-50-25-W	25° optic	☐ R0-50-20-T	20° optic		
☐ R0-50-25-S	25° optic	☐ R0-50-40-W	40° optic	☐ RO-50-25-T	25° optic		
☐ R0-50-40-S	40° optic	□ R0-50-60-W	60° optic	☐ RO-50-40-T	40° optic		
☐ R0-50-60-S	60° optic			☐ RO-50-60-T	60° optic		

EMERGENCY LIGHTING - REMOTE MOUNT ONLY

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

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

ZERO-SIGHTLINE MILLWORK ROUTER TOOL GUIDE

Required for zero-sightline millwork installations. Factory recommends qty. 2 per order.

☐ CMHS-RTG Router Tool Guide



reserves the right to change or withdraw specifications without prior notice.

pg. 2

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

00

PERFORMANCE - 3000K

LUMEN		10° 0		15° 0		20° 0		25° 0		40° C		60° 0	
	WATTAGE	SOFT FOO	CUS LENS	SOFT FOO	US LENS	SOFT FOC	US LENS	SOFT FOO	US LENS	SOFT FOO	US LENS	SOFT FOO	US LENS
PACKAGE		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S11A	11	454	41	991	90	1093	99	1095	100	1019	93	1145	104
80S17A	17	619	36	1435	84	1701	100	1655	97	1513	89	1640	96
90S11A	11	391	35	851	86	939	95	941	96	875	89	984	100
90S17A	17	532	31	1233	76	1461	90	1422	87	1300	80	1409	86
97S11A	11	337	30	747	68	824	75	826	75	768	70	864	79
97S17A	17	460	27	1083	64	1283	75	1249	73	1141	67	1237	73
0011144													
90W11A (2600K-1800K)	11	-	-	-	-	667	60	654	59	605	54	635	58
90W11A (2900K-1800K)	11	-	-	-	-	661	60	658	59	600	54	640	58
90W18A (2700K-1800K)	18	-	-	-	-	1019	56	1017	56	927	57	997	62
90W18A (3000K-1800K)	18	-	-	-	-	1043	57	1017	56	943	58	991	61
90T17A (4000K-1800K)	17	-	-	798	47	917	54	896	53	811	48	910	54
90T17A (5000K-2700K)	17	-	-	791	47	909	53	888	52	803	47	902	53

24

JA8-2022 INDICATED BY SHADING

UNIFIED GLARE RATING

10° OPTIC	15° OPTIC	20° OPTIC	25° OPTIC	40° OPTIC	60° OPTIC
SOFT FOCUS LENS					
>19	<16	<10	<10	<10	

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

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

TUNABLE WHITE MULTIPLIER

TONABLE WHITE MOLITPLIER							
ССТ	5000K- 2700K	4000K- 1800K					
5000K	1.16	1					
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 - 25° OPTIC

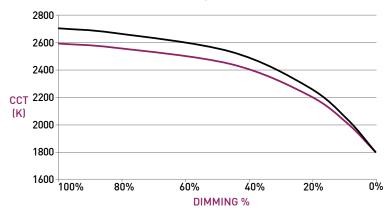
INCANDESCENT DIMMING PROFILE

90W11AL 2600K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2600	2550	2520	2450	2200	1925	1800
Light Output (lm)	654	523	457	327	130	65	13
Power (W)	11	8.8	7.7	5.5	2.2	1.1	.22
Efficacy (LPW)	59	59	59	59	59	59	59
90W18AL 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)	2600	2650	2620	2520	2180	1950	1800
Light Output (lm)	1017	813	711	508	203	101	203
Power (W)	18	14.4	12.6	9	3.6	1.8	.36
Efficacy (LPW)	56	56	56	56	56	56	56

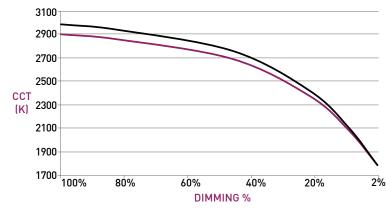
HALOGEN WARM DIM PROFILE

90W11AD 2900K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2900	2850	2800	2720	2350	1975	1800
Light Output (lm)	658	526	460	329	131	65	13
Power (W)	11	8.8	7.7	5.5	2.2	1.1	.22
Efficacy (LPW)	59	59	59	59	59	59	59
90W18AD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
3000K - 1800K	100%	to 80%	to 70%	to 50%	to 20%	to 10%	to 2%
3000K - 1800K	100% 3000	to 80% 2950	to 70% 2920	to 50% 2775	to 20% 2375	to 10% 2000	to 2% 1800





11W / 18W



MONOPOINT

A STEM

Standard length is 3", also available in 24" and 48" lengths. All lengths excepts 3" are field cuttable. Powdercoat finishes standard, consult factory for Alumina finishes.

BODY

Available in powdercoat and Alumina finishes. Power supply integrated into fixture body.

OPTICS

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

LENS RETAINER

Accepts 2 media devices.

10° FIELD REDUCER

Included with 10° optic. Reduces field angle by 30%

MEDIA

Soft Focus Lens standard.

G BAFFLE

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

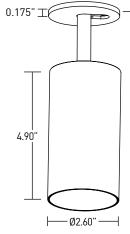
HANG STRAIGHT CANOPY

Features hidden ball joint that accomodates installations on up to 12/12 (45°) sloped

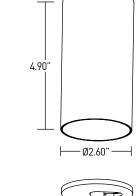
ADJUSTABILITY

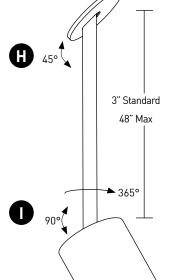
Features locking 90° tilt and 365° rotation. Stem features 45° tilt to accommodate up to 12/12 slopes.

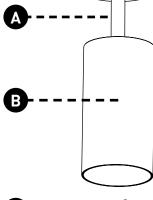
DIMENSIONS / DRAWINGS

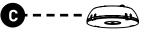


·Ø2.60" or Ø4.50" dependent on mounting, see page 5

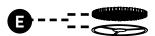


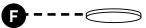


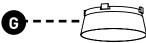














pg. 5

MOUNTING

IMPORTANT: Fixture cannot be installed with pancake junction boxes.

JUNCTION BOX MOUNTING PLATE Mounting plate (concealed) for standard 4" square or 4" 4/0 junction boxes. To be

installed during rough-in prior to substrate. Features minimalist 2.6" diameter canopy

Part Number - CMHS-JBMP

ZERO-SIGHTLINE DRYWALL

Provided with mud-in applique that mounts to standard 4" 4/0 junction 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.

Part Number - DLA-APP-CMHS

REMODEL / FLANGE OVERLAY

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

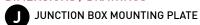
ZERO-SIGHTLINE MILLWORK

Mounting plate (concealed) for standard 4" square or 4" 4/0 junction boxes. To be installed during rough-in prior to substrate. Router guide, specified separately, required to make surface bore allowing fixture canopy to be recessed into ceiling for a flush or zero-sightline aesthetic.

Part Number - CMHS-JBMP

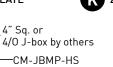
Router Guide Part Number - CMHS-RTG

DIMENSIONS / DRAWINGS

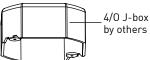




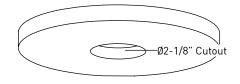
ZERO-SIGHTLINE DRYWALL

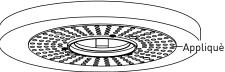


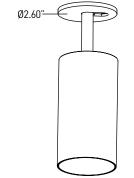
4" Sq. or

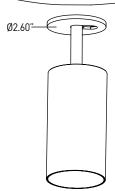


INSTALL JBMP BEFORE CEILING

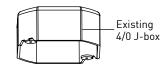


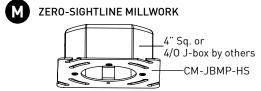


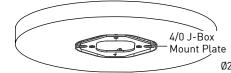


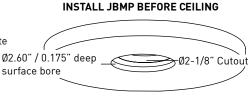


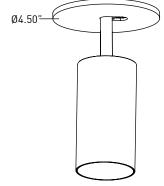


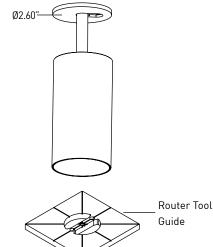












REMOTE POWER SUPPLY

- Remote power supply provides additional driver options. See page 8 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.

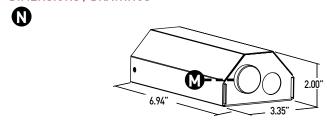
Athena Model Numbers: A-WN-D01-RF-BL & DFC-0EM-DBI

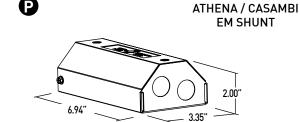
Casambi Model Number: BT-S1E1-5400

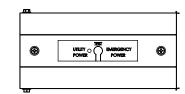
ATHENA / CASAMBI EM SHUNT Inlcuded with drivers specified as ASR, ATR, CSR, or CTR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.

Model Number: PS-RMT-SHUNT

DIMENSIONS / DRAWINGS







TECHNICAL

CONSTRUCTION

Monopoint: Machined aluminum body; painted finishes are granulated powder coat; Alumina finishes are anodized aluminum.

Remote Power Supply: 22 Gauge galvanized steel.

Appliqué: 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.



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

	PH	ASE	E	00		0-10V			DALI-2	ATHENA		CASAMBI		
Power Supply	CE/RE	L2	LH	LP	CA/RA	SG	SN	EG	EN	ED	AS	AT	CS	СТ
Minimum °C	-20 °C	0°C	0°C	0°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	40 °C	40 °C	40 °C
Dimming %	2.0%	1.0%	1.0%	0.1%	2.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For L2, LH, LP, SG, SN, EG and EN drivers consult chart on page 9 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'		
L2, LH, LP	60'	40'	25'	15'	-		
EG, EN, ED, AS, AT, CS, CT	-	-	118'	72	46'		

LISTING

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

DECLARE

LBC Red List Approved.

BUY AMERICA ACT

All CM1 Hang Straight 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.

CHANGE LOG

1.02/13/2024: ADDED TUNABLE WHITE OFFERING. 2.03/18/2024: UPDATED 10 DEGREE NARROW BEAM TO UTILIZE FILED REDUCER.





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

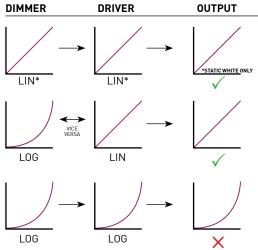
LUTRON DRIVER COMPATIBILITY

Power supply 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 / 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 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 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



LIN = LINEAR

LOG = LOGARITHMIC

*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM