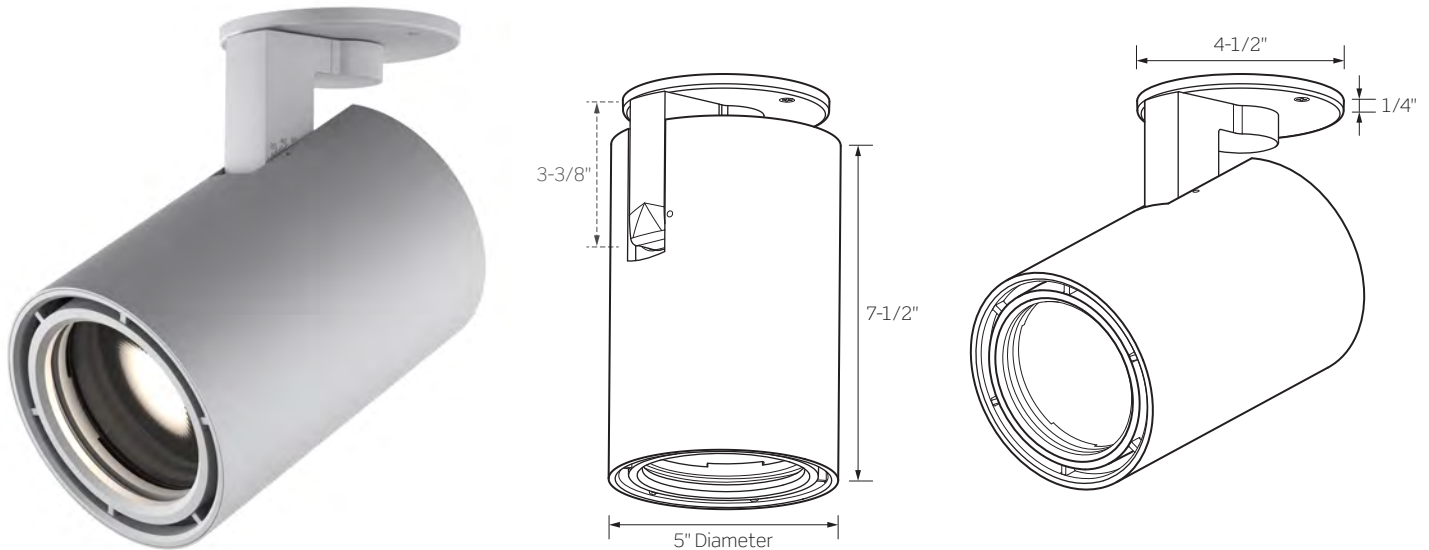


DATE

PROJECT

TYPE

# CTL94 SERIES | Gallery XL Canopy Mount Luminaire: Xicato LED



	CTL940C	CTL941C	CTL942C	CTL943C	CTL944C
WATTAGE	13W	19W	27W	35W	41W
LUMEN OUTPUT <sup>1</sup> BY BEAM SPREAD Beam Range: 10° to 51°					
Very Narrow Spot Optic	610Lm	N/A	N/A	N/A	N/A
Narrow Spot Optic	540Lm	790Lm	1043Lm	1370Lm	1491Lm
Medium Reflector	976Lm	1384Lm	1898Lm	2375Lm	2698Lm
Flood Reflector	1017Lm	1440Lm	1977Lm	2485Lm	2824Lm
Wide Flood Reflector	984Lm	1393Lm	1912Lm	2404Lm	2732Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K				
CRI	95				
FINISHES	Matte Black / Matte White / Matte Silver				
DRIVER INPUT VOLTAGE	120V/277V, 50/60Hz				
DIMMING TYPE	120V TRIAC/ELV Dimming, 120/277V 0-10V Dimming				
LISTINGS	cCSAus Certified for use in the U.S. and Canada; Suitable for Dry/Damp locations <b>ENERGY STAR</b> ® Certified for all models using Medium, Flood, and Wide Flood Reflectors				
WARRANTY	Five (5) year replacement after date of purchase				
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance				

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

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PROJECT

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# CTL94 SERIES | Gallery XL Canopy Mount Luminaire: Xicato LED

## ORDERING INFORMATION

Example Order:  -

LED Series	Beam: Optic or Reflector	Color Temp/CRI	Driver	Finish
<b>CTL940C</b> - 13W	<b>PC Optics:</b> Intensity at Nadir, Narrow Field	95 CRI	<b>MVD</b> - 120V TRIAC/ELV or 120/277V 0-10V	<b>B</b> - Matte Black
<b>CTL941C</b> - 19W	<b>VN<sup>1</sup></b> - Very Narrow Spot: 10° Beam, 18° Field	<b>27XC</b> - 2700K		<b>P</b> - Matte White
<b>CTL942C</b> - 27W	<b>NS</b> - Narrow Spot: 13° Beam, 22° Field	<b>3XC</b> - 3000K		<b>S</b> - Matte Silver
<b>CTL943C</b> - 35W	1. Very Narrow Spot (VN) only available for Series 0 (13W)	<b>35XC</b> - 3500K		
<b>CTL944C</b> - 41W	<b>Reflectors:</b> Well Defined Beams, Smooth Field	<b>4XC</b> - 4000K		
	<b>ME</b> - Medium: 24° Beam, 54° Field	<i>Vibrant Series, 95 CRI</i>		
	<b>FL</b> - Flood: 42° Beam, 64° Field	<b>3XV</b> - 3000K		
	<b>WF</b> - Wide Flood: 51° Beam, 83° Field			

## ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

Each Gallery XL Luminaire comes ready to hold up to two (2) Accessories; Snoot or Barn Door count as one (1) piece



**FA-94-(B,P,S)** - Snoot with optional Cross Blades  
Exterior painted per finish [Black (B), White (P) or Silver (S)], interior and blades are always Black

**LF20\*** - 3-3/4 Inch Diameter Tempered Glass Lenses and Filters; 1/8 Inch Thick, typ.

*\*Color/Pattern Legend*

-73 (Spread Lens), -LS (Linear Spread Lens), -SL (Soft Light), -SOL (Solite), -UV (Optivex UV Filter), -A (Amber), -B (Blue), -CL (Clear), -DPE (Dichroic Peach), -G (Green), -LB (Light Blue), -R (Red), -RO (Rose), -Y (Yellow)

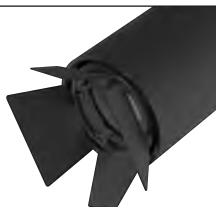


**LA-45** - 3-3/4 Inch Diameter Black Honeycomb Louver

### Replacement Optics

*Very Narrow Spot Optic not available as a replacement optic*

- CTL94NS** - 13° Narrow Spot Optic
- CTL94ME** - 24° Medium Reflector
- CTL94FL** - 42° Flood Reflector
- CTL94WF** - 51° Wide Flood Reflector



**BD94-B** - Black Barn Doors



**CTL94NS**  
13° Narrow Spot



**CTL94ME**  
24° Medium



**CTL94FL**  
42° Flood



**CTL94WF**  
51° Wide Flood

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TYPE

# CTL94 SERIES | Gallery XL Canopy Mount Luminaire: Xicato LED

## PRODUCT DETAILS

### Construction

- A revolutionary track head with superior optics designed to bring theatre grade beam control to traditional gallery and commercial track heads and mono-point luminaires
- Constructed of die-cast aluminum, the cylindrical body provides thermal management
- Mono-Point Canopy Housing is constructed of cast aluminum, may be ceiling or wall mounted
- Lockable, precision aiming adjustment: 360°+ aiming horizontal, 220° vertical rotation
- Precision engineered Dual Lens Optic used for Very Narrow Spot (VN) and Narrow Spot (NS) beam distributions. Design provides a tight beam angle and field to highlight target objects with minimal stray illumination.
- Specular Aluminum Reflectors used for 24° Medium, 42° Flood, and 51° Wide Flood beam distributions. Optically engineered for even illumination and glare control.
- Can accept up to two (2) LF20 Lenses/Filters, LA-45 Honeycomb Louver, FA-94 Snoot or BD94-B Black Barn Doors, ordered separately. Snoot or Barn Door count as one (1) piece.
- Fixture weight: 5 LBS

### Performance Summary

- The Xicato 95 CRI Series COBs are designed to perfectly emulate natural light sources, with precise color rendering by CIE or IES standards, for the most exacting illumination of art, architecture, or other surfaces
- 2700K, 3000K, 3500K and 4000K Color temperatures; Vibrant Series only available in 3000K
- Xicato Modules feature extraordinary color consistency within 1x2-step MacAdam ellipse
- Precise beam control ensures that even at lower aiming angles, the luminaire is glare free and quiet in the ceiling
- Full collection of accessories to produce a myriad of filtering and framing effects
- Dimming is standard for all wattage options using compatible 120V TRIAC/ELV or 120/277V 0-10V dimming systems. For dimmer compatibility and performance, refer to Dimming Specification sheet.

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# CTL94 SERIES | Gallery XL Luminaire Xicato LED Photometrics

## PC OPTIC | VERY NARROW SPOT

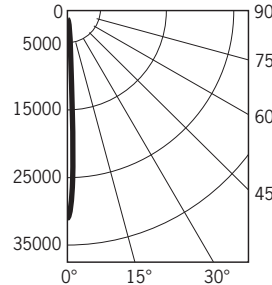
### CTL940VN3XCD

Fixture Delivered Lumens: 614.3  
 Total Watts@120V: 13.1  
 Lumens Per Watt: 44.5  
 Center Beam Candle Power: 31786  
 Beam Distribution: 7.0°  
 Field Distribution: 11.4°  
 Spacing Criterion: 0.12  
 Color Rendering Index (CRI)<sup>1</sup>: 97.9  
 Color Temperature (CCT)<sup>2</sup>: 3072K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G22042502  
 LM-79 Test No. S22032901

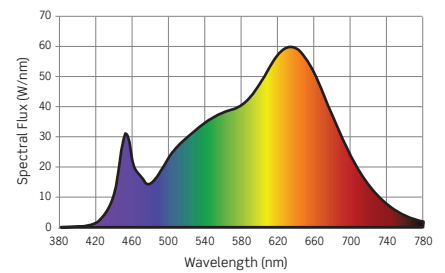
#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	882.9	0.7
8 FT	496.7	1.0
10 FT	317.9	1.2
12 FT	220.7	1.5
14 FT	162.2	1.7
16 FT	124.2	2.0

#### Candela Curve



#### Spectral Power Distribution Chart<sup>4</sup>



## PC OPTIC | NARROW SPOT

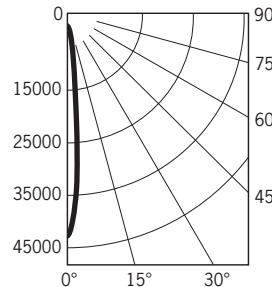
### CTL944NS3XCD

Fixture Delivered Lumens: 1491.0  
 Total Watts@120V: 40.9  
 Lumens Per Watt: 36.5  
 Center Beam Candle Power: 42680  
 Beam Distribution: 10.8°  
 Field Distribution: 16°  
 Spacing Criterion: 0.17  
 Color Rendering Index (CRI)<sup>1</sup>: 97.9  
 Color Temperature (CCT)<sup>2</sup>: 3072K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G22033001  
 LM-79 Test No. S22032901

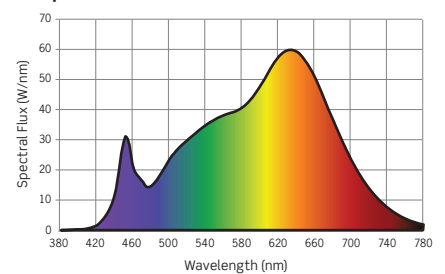
#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	1185.6	1.1
8 FT	666.9	1.5
10 FT	426.8	1.9
12 FT	296.4	2.3
14 FT	217.8	2.6
16 FT	116.7	3.0

#### Candela Curve



#### Spectral Power Distribution Chart<sup>4</sup>



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS						OUTPUT MULTIPLIERS			
CCT	95 CRI	VIBRANT	CCT	95 CRI	VIBRANT	13W SERIES 0	19W SERIES 1	27W SERIES 2	35W SERIES 3
2700K	0.92	N/A	3500K	1.05	N/A	0.36	0.51	0.70	0.88
3000K	1.00	1.00	4000K	1.10	N/A				

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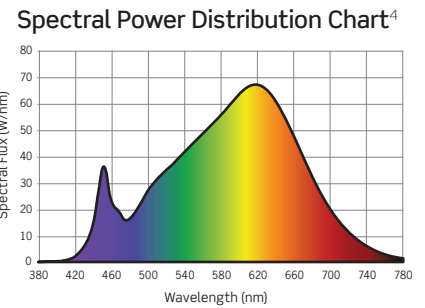
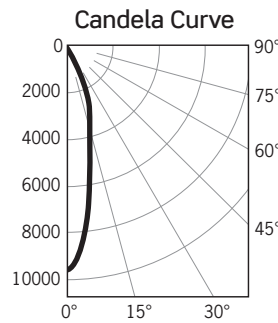
# CTL94 SERIES | Gallery XL Luminaire Xicato LED Photometrics

## ALUMINUM REFLECTOR | MEDIUM

### CTL944ME3XCD

Fixture Delivered Lumens: 2698.1  
 Total Watts@120V: 40.9  
 Lumens Per Watt: 66.0  
 Center Beam Candle Power: 9575  
 Beam Distribution: 24.2°  
 Field Distribution: 53.7°  
 Spacing Criterion: 0.50  
 Color Rendering Index (CRI)<sup>1</sup>: 91.6  
 Color Temperature (CCT)<sup>2</sup>: 3074K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G22032905  
 LM-79 Test No. S22031701

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	266.0	2.6
8 FT	149.6	3.4
10 FT	95.7	4.3
12 FT	66.5	5.2
14 FT	48.9	6.0
16 FT	37.4	6.9

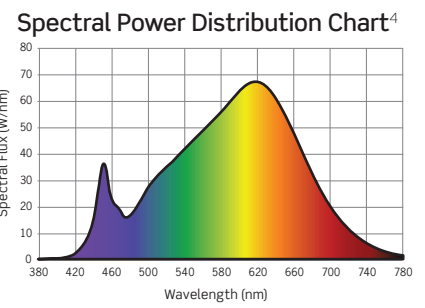
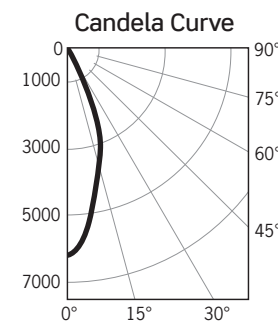


## ALUMINUM REFLECTOR | FLOOD

### CTL944FL3XCD

Fixture Delivered Lumens: 2824.4  
 Total Watts@120V: 40.9  
 Lumens Per Watt: 69.1  
 Center Beam Candle Power: 6203  
 Beam Distribution: 39.3°  
 Field Distribution: 64.5°  
 Spacing Criterion: 0.65  
 Color Rendering Index (CRI)<sup>1</sup>: 91.6  
 Color Temperature (CCT)<sup>2</sup>: 3074K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G22033003  
 LM-79 Test No. S22031701

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	172.3	4.3
8 FT	96.9	5.7
10 FT	62.0	7.1
12 FT	43.1	8.6
14 FT	31.6	10.0
16 FT	24.2	11.4

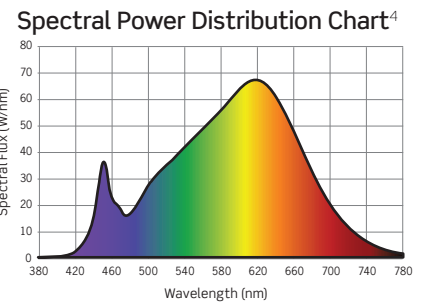
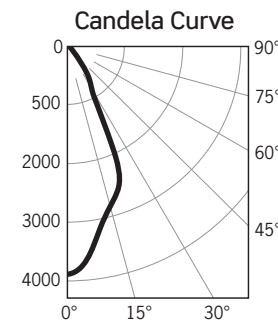


## ALUMINUM REFLECTOR | WIDE FLOOD

### CTL944WF3XCD

Fixture Delivered Lumens: 2731.9  
 Total Watts@120V: 40.9  
 Lumens Per Watt: 66.8  
 Center Beam Candle Power: 3888  
 Beam Distribution: 49.3°  
 Field Distribution: 83.7°  
 Spacing Criterion: 0.72  
 Color Rendering Index (CRI)<sup>1</sup>: 91.6  
 Color Temperature (CCT)<sup>2</sup>: 3074K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G22033004  
 LM-79 Test No. S22031701

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	108.0	5.5
8 FT	60.8	7.3
10 FT	38.9	9.2
12 FT	27.0	11.0
14 FT	19.8	12.9
16 FT	15.2	14.7



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLICATION FACTORS FOR ALUMINUM REFLECTORS ONLY

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS						OUTPUT MULTIPLIERS			
CCT	95 CRI	VIBRANT	CCT	95 CRI	VIBRANT	13W SERIES 0	19W SERIES 1	27W SERIES 2	35W SERIES 3
2700K	0.92	N/A	3500K	1.05	N/A	0.36	0.51	0.70	0.88
3000K	N/A	1.00	4000K	1.10	N/A				

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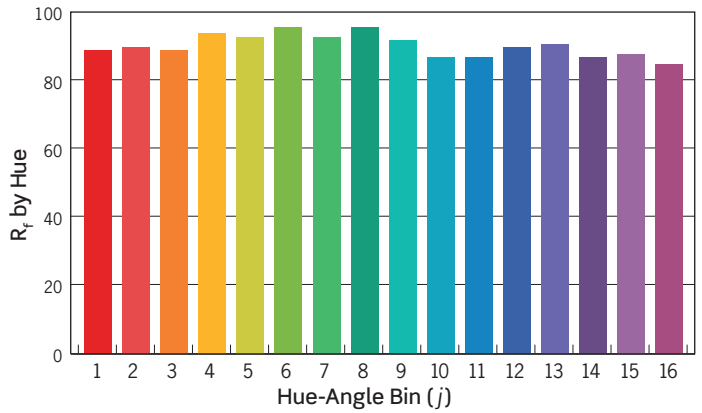
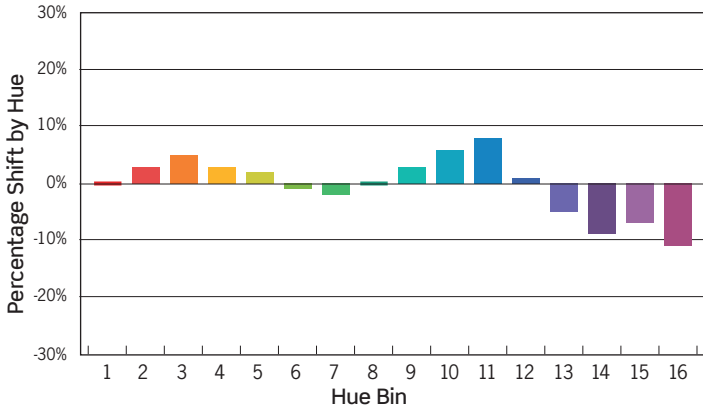
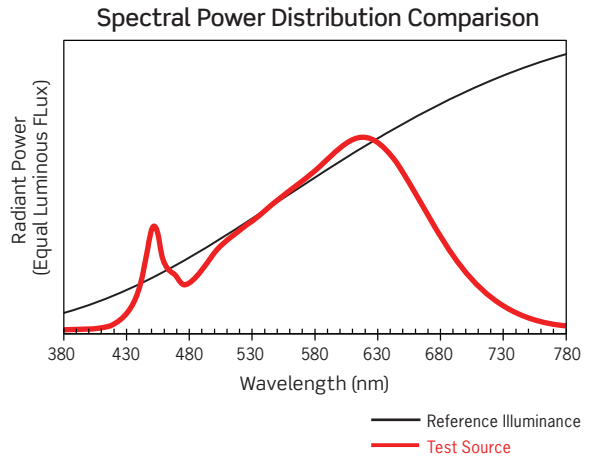
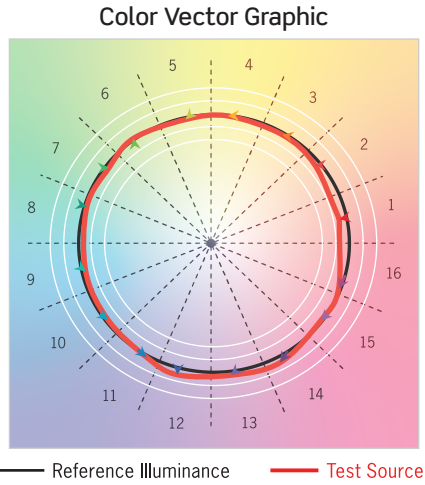
# CTL94 SERIES | Gallery XL Luminaire Xicato LED Photometrics

## TM-30 DATA: CTL944ME3XC

ANSI/IES TM-30-18 Color Rendition Report Test No. S22031701

Colors are for visual orientation purposes only

$R_f$	91
$R_g$	98
CCT(K)	3074K
$D_{uv}$	0.0008
$u^l$	0.2477
$v^l$	0.5210



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	3%	5%	3%	2%	-1%	-2%	0%	3%	6%	8%	1%	-5%	-9%	-7%	-11%
$R_f$ VALUE	90	91	90	95	94	97	94	97	93	88	88	91	92	88	89	86

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## CTL94\*C & ETL94 SERIES | Gallery XL LED Track Luminaire: Dimming Specifications

- Incandescent 120V AC Dimmers adjust the light with *Forward Phase Control*, where the Dimmer “chops” the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120V AC Dimmers adjust the light with *Reverse Phase Control*, where the Dimmer “chops” the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.
- 0-10V Dimming may be used for 120V or 277V powered Luminaires by delivering a separate controlled DC voltage signal which adjusts the light output.

Manufacturer	Product	Model	TRIAC/ELV (120V Only)	0-10V DIMMING
			Light Output	Light Output
Leviton	Vizia	VPE06	4%-100%	N/A
Leviton	Decora	6673-10W	11%-100%	N/A
Leviton	IllumaTech	IP710-DL	N/A	5% to 100%
Lutron	Ariadni	TGCL-153P	0%-100%	N/A
Lutron	Diva	DVCL-153P	0%-100%	N/A
Lutron	Diva	DVELV303P	3%-100%	N/A
Lutron	Skylark	SELV300P	3%-100%	N/A
Lutron	Maestro	MAELV600	0%-100%	N/A
Lutron	Faetra	FAELV500	7%-100%	N/A
Lutron	Skylark C	SCL-153P	0%-100%	N/A
Lutron	Maestro C•L	MACL-153M	0%-99%	N/A
Lutron	RA2 Select	RRD-6CL	2%-98%	N/A
Lutron	Diva	DVTV	N/A	5% to 100%
Lutron	Nova	NFTV	N/A	5% to 100%

### NOTES

1. If light is measured, then the dimming range is based on light output. If light is not measured, then the dimming range is based on the percentage of output current.
2. Testing was performed with a single fixture connected to dimmer.
3. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
4. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
5. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
6. Consult factory for additional dimming information.