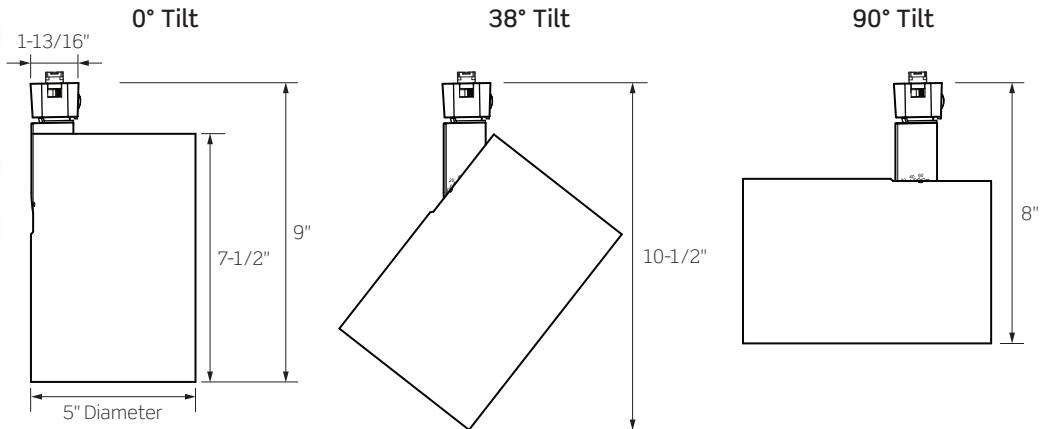


DATE

PROJECT

TYPE

CTL94 SERIES | Gallery XL LED Track Luminaire



	CTL940	CTL941	CTL942	CTL943	CTL944	CTL945
WATTAGE	13W	20W	29W	38W	42W	49W
LUMEN OUTPUT ¹ BY BEAM SPREAD <i>Beam Range: 10° to 51°</i>						
Very Narrow Spot Optic	755 Lm	1028 Lm	1357 Lm	1568 Lm	N/A	N/A
Narrow Spot Optic	731 Lm	1072 Lm	1509 Lm	1857 Lm	2022 Lm	N/A
Medium Reflector	1407 Lm	2100 Lm	2935 Lm	3633 Lm	3994 Lm	4441 Lm
Flood Reflector	1449 Lm	2133 Lm	3018 Lm	3696 Lm	3987 Lm	4452 Lm
Wide Flood Reflector	1457 Lm	2178 Lm	3024 Lm	3789 Lm	4115 Lm	4594 Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K					
CRI	83 (80min) / 90+					
FINISHES	Matte Black / Matte White / Matte Silver					
DRIVER INPUT VOLTAGE	120V, 50/60Hz					
DIMMING TYPE	120V TRIAC/ELV Dimming					
COMPATIBILITY	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno ^{®2} Lighting Trac-Master™ Systems HTL Units are compatible with Halo ³ Power-Trac and Lazer Track Systems LTL Units are compatible with Lightolier ⁴ Lytespan [®] Systems					
LISTINGS	cCSAus Certified for use in the U.S. and Canada; Suitable for Dry Locations ENERGY STAR[®] 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
2. Juno is a registered trademark of Juno Lighting
3. Halo is a registered trademark of Cooper Lighting
4. Lightolier is a registered trademark of Philips Lighting

DATE	PROJECT	TYPE
------	---------	------

CTL94 SERIES | Gallery XL LED Track Luminaire


ORDERING INFORMATION

Example Order: -

Track System	LED Series	Beam: Optic or Reflector	Color Temp/CRI	Driver	Finish
CTL - ConTech	940 - 13W	PC Optics: Intensity at Nadir, Narrow Field	<i>83 (80min) CRI</i>	D - 120V TRIAC/ELV	B - Matte Black P - Matte White S - Matte Silver
HTL - Halo	941 - 20W	VN¹ - Very Narrow Spot: 10° Beam, 18° Field	27K - 2700K		
LTL - Lightolier	942 - 29W	NS² - Narrow Spot: 13° Beam, 22° Field	3K - 3000K		
	943 - 38W	1. Very Narrow Spot (VN) only available up to Series 3 (38W)	35K - 3500K		
	944 - 42W	2. Narrow Spot (NS) only available up to Series 4 (42W)	4K - 4000K		
	945 - 49W	Reflectors: Well Defined Beams, Smooth Field	<i>90+ CRI</i>		
		ME - Medium: 24° Beam, 54° Field	27KC - 2700K		
		FL - Flood: 42° Beam, 64° Field	3KC - 3000K		
		WF - Wide Flood: 51° Beam, 83° Field	35KC - 3500K		
			4KC - 4000K		

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)



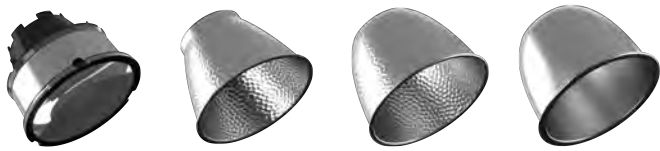
LA-45 - 3-3/4-Inch Diameter Black Honeycomb Louver

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

DATE

PROJECT

TYPE

CTL94 SERIES | Gallery XL LED Track Luminaire

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
- Adjustable, lockable aiming arm with 0° to 100° tilt for precision aiming; 365° horizontal 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.
- Integral ON/OFF switch and track polarity indicator are standard
- Fixture weight: 5 LBS

Performance Summary

- 2700K, 3000K, 3500K and 4000K color temperatures; 80 CRI minimum, 83 typical; high CRI of 90+ available
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- 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
- 120V TRIAC/ELV Dimming is standard for all wattage options. For dimmer compatibility and performance, refer to Dimming Specification sheet.

Fixture Compatibility

- Standard ConTech track luminaires (CTL Units) are cCSAus certified as-is for use with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno^{®1} Lighting Trac-Master[™] Systems.
- By changing the prefix of the part number, ConTech can install inserts which make our fixtures compatible with other manufacturers. Replace “CTL” with “HTL” for Halo^{®2} Power-Trac and Lazer-Track systems, and “LTL” for Lightolier³ Lytespan[™] systems. For more information, please consult factory.

DATE

PROJECT

TYPE

CTL94 SERIES | Gallery XL LED Track Luminaire Photometrics

PC OPTIC | VERY NARROW SPOT

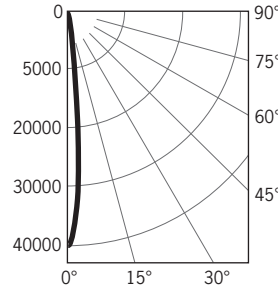
CTL943VN3KD

Fixture Delivered Lumens: 1568.0
 Total Watts@120V: 37.0
 Lumens Per Watt: 42.4
 Center Beam Candle Power: 3990.4
 Beam Distribution: 10.1°
 Field Distribution: 18.4°
 Spacing Criterion: 0.18
 Color Rendering Index (CRI)¹: 83.1
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22052303
 LM-79 Test No. S22031501

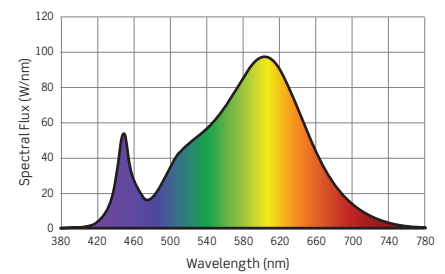
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	1108.4	1.1
8 FT	623.5	1.4
10 FT	399.0	1.8
12 FT	277.1	2.1
14 FT	203.6	2.5
16 FT	155.9	2.8

Candela Curve



Spectral Power Distribution Chart⁴



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 VERY NARROW SPOT 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	STD CRI	HIGH CRI	CCT	STD CRI	HIGH CRI	13W SERIES 0	20W SERIES 1	29W SERIES 2	38W SERIES 3
2700K	0.98	0.81	3500K	1.01	0.86	0.48	0.66	0.87	1.00
3000K	N/A	0.85	4000K	1.02	0.89				

PC OPTIC | NARROW SPOT

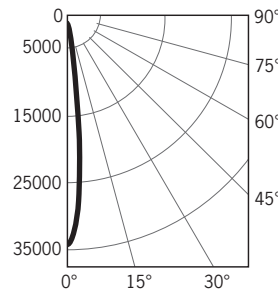
CTL944NS3KD

Fixture Delivered Lumens: 2022.4
 Total Watts@120V: 41.3
 Lumens Per Watt: 49.0
 Center Beam Candle Power: 3450.9
 Beam Distribution: 12.5°
 Field Distribution: 22.4°
 Spacing Criterion: 0.22
 Color Rendering Index (CRI)¹: 83.1
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22051603
 LM-79 Test No. S22031501

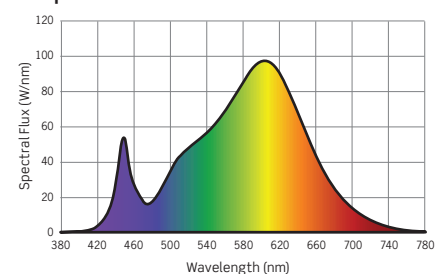
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	958.6	1.3
8 FT	539.2	1.8
10 FT	345.1	2.2
12 FT	239.6	2.6
14 FT	176.1	3.1
16 FT	134.8	3.5

Candela Curve



Spectral Power Distribution Chart⁴



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 NARROW SPOT 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	STD CRI	HIGH CRI	CCT	STD CRI	HIGH CRI	13W SERIES 0	20W SERIES 1	29W SERIES 2	38W SERIES 3
2700K	0.98	0.81	3500K	1.01	0.86	0.36	0.53	0.75	0.92
3000K	N/A	0.85	4000K	1.02	0.89				

DATE

PROJECT

TYPE

CTL94 SERIES | Gallery XL LED Track Luminaire Photometrics

ALUMINUM REFLECTOR | MEDIUM

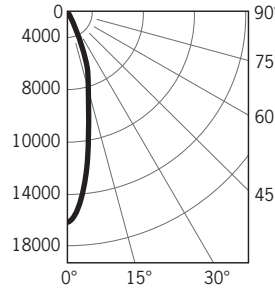
CTL945ME3KD

Fixture Delivered Lumens: 4440.5
 Total Watts@120V: 48.5
 Lumens Per Watt: 91.6
 Center Beam Candle Power: 16197
 Beam Distribution: 24.2°
 Field Distribution: 53.8°
 Spacing Criterion: 0.49
 Color Rendering Index (CRI)¹: 83.1
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22030402
 LM-79 Test No. S22031501

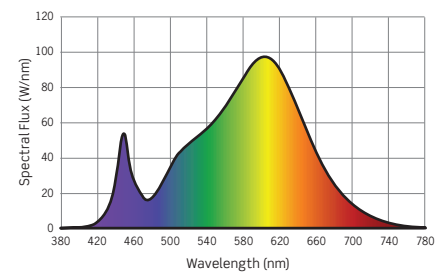
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	449.9	2.6
8 FT	253.1	3.4
10 FT	162.0	4.3
12 FT	112.5	5.2
14 FT	82.6	6.0
16 FT	63.3	6.9

Candela Curve



Spectral Power Distribution Chart⁴



ALUMINUM REFLECTOR | FLOOD

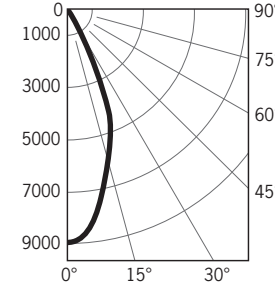
CTL945FL3KD

Fixture Delivered Lumens: 4452.1
 Total Watts@120V: 48.5
 Lumens Per Watt: 91.8
 Center Beam Candle Power: 8947
 Beam Distribution: 44.2°
 Field Distribution: 64.9°
 Spacing Criterion: 0.67
 Color Rendering Index (CRI)¹: 83.1
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22030403
 LM-79 Test No. S22031501

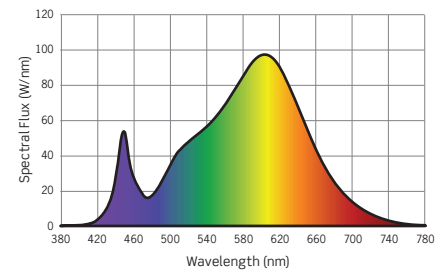
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	248.5	4.9
8 FT	139.8	6.5
10 FT	89.5	8.1
12 FT	62.1	9.7
14 FT	45.6	11.4
16 FT	34.9	13.0

Candela Curve



Spectral Power Distribution Chart⁴



ALUMINUM REFLECTOR | WIDE FLOOD

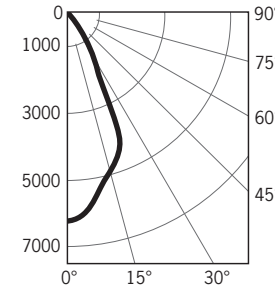
CTL945WF3KD

Fixture Delivered Lumens: 4593.7
 Total Watts@120V: 48.5
 Lumens Per Watt: 94.7
 Center Beam Candle Power: 6210
 Beam Distribution: 51.0°
 Field Distribution: 82.8°
 Spacing Criterion: 0.74
 Color Rendering Index (CRI)¹: 83.1
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22030402
 LM-79 Test No. S22031501

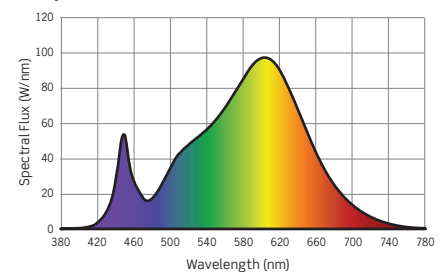
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	172.5	5.7
8 FT	97.0	7.6
10 FT	62.1	9.5
12 FT	43.1	11.5
14 FT	31.7	13.4
16 FT	24.3	15.3

Candela Curve



Spectral Power Distribution Chart⁴



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	STD CRI	HIGH CRI	CCT	STD CRI	HIGH CRI	13W SERIES 0	20W SERIES 1	29W SERIES 2	38W SERIES 3	42W SERIES 4	49W SERIES 5
2700K	0.97	0.80	3500K	1.04	0.88	0.32	0.47	0.66	0.82	0.90	1.00
3000K	1.00	0.85	4000K	1.06	0.89						

DATE

PROJECT

TYPE

CTL94 SERIES | Gallery XL LED Track Luminaire Photometrics

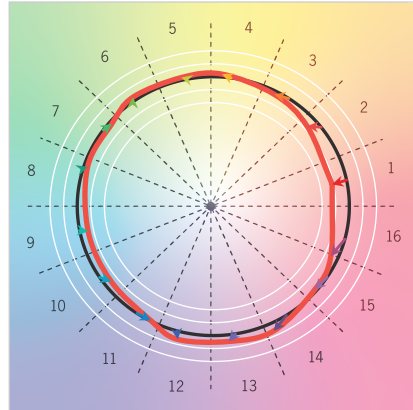
TM-30 DATA: CTL945ME3KD

ANSI/IES TM-30-18 Color Rendition Report Test No. S22031501

Colors are for visual orientation purposes only

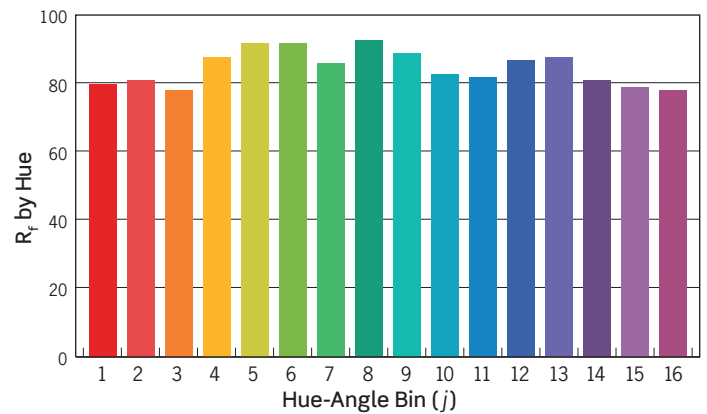
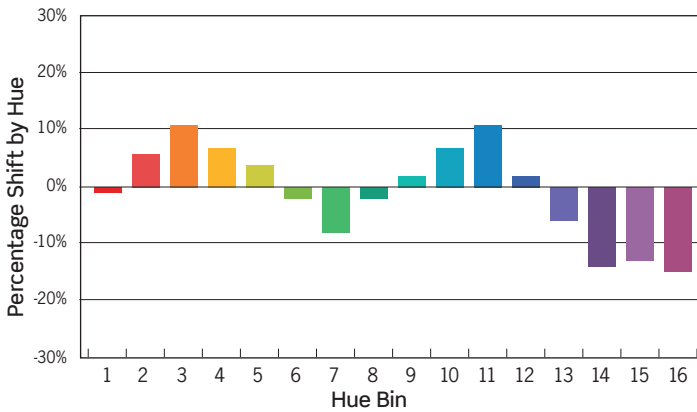
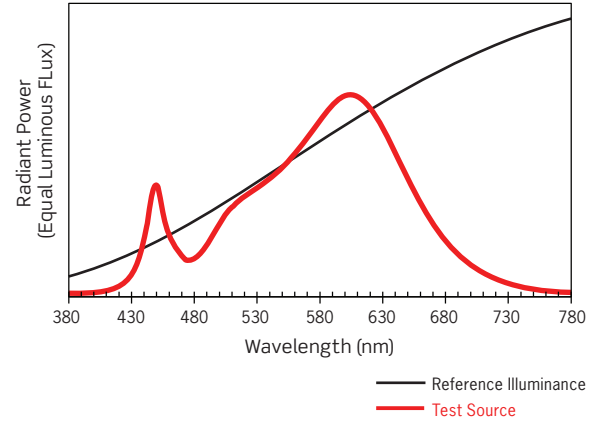
R_f	86
R_g	96
CCT(K)	3086K
D_{uv}	0.0019
u^l	0.2469
v^l	0.5223

Color Vector Graphic



— Reference Illuminance — Test Source

Spectral Power Distribution Comparison



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	11%	7%	4%	-2%	-7%	-2%	2%	7%	11%	2%	-6%	-14%	-13%	-15%
R _f VALUE	81	82	79	89	93	93	87	94	90	84	83	88	89	82	80	79

DATE

PROJECT

TYPE

CTL94 & NCTL94 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.

Manufacturer	Product	Model	TRIAC/ELV DIMMING
			Light Output
Leviton	Vizia	VPE06	4%-100%
Leviton	Decora	6673-10W	11%-100%
Lutron	Ariadni	TGCL-153P	0%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Diva	DVELV303P	3%-100%
Lutron	Skylark	SELV300P	3%-100%
Lutron	Maestro	MAELV600	0%-100%
Lutron	Faetra	FAELV500	7%-100%
Lutron	Skylark C	SCL-153P	0%-100%
Lutron	Maestro C•L	MACL-153M	0%-99%
Lutron	RA2 Select	RRD-6CL	2%-98%

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.