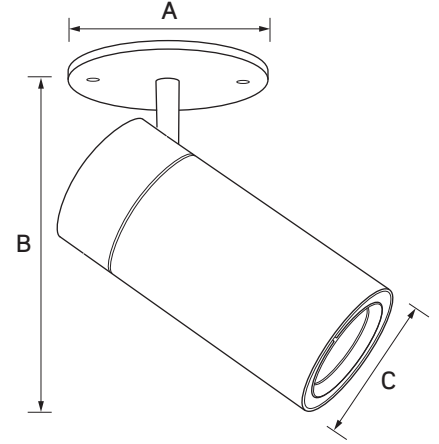


CTL905*MP SERIES | Eclipse Curve Mono-Point Luminaires



	A	B Min to Max	C
CTL9050	4-3/4"	3-11/32" to 5-1/8"	2-3/8"
CTL9051	4-3/4"	3-3/4" to 5-3/4"	2-3/4"
CTL9052	4-3/4"	3-3/4" to 5-3/4"	2-3/4"
CTL9053	4-3/4"	4-1/2" to 6-13/16"	3-3/16"
CTL9059	4-3/4"	5" to 7-7/8"	3-15/16"
CTL9054	4-3/4"	5" to 7-7/8"	3-15/16"

	CTL9050	CTL9051	CTL9052	CTL9053	CTL9059	CTL9054
WATTAGE	7W	9W	14W	20W	29W	34W
LUMEN OUTPUT ¹	651Lm	1021Lm	1462Lm	2123Lm	2740Lm	3441Lm
BEAM OPTICS						
Spot ²	15°	N/A	N/A	N/A	N/A	N/A
Medium ³	N/A	23°	23°	21°	22°	24°
Flood	32°	33°	33°	37°	32°	33°
Wide Flood	58°	52°	52°	57°	47°	48°
COLOR TEMPERATURE	2700K, 3000K, 3500K, 4000K					
CRI	90+					
INPUT WATTAGE	7W	9W	14W	20W	29W	34W
INPUT VOLTAGE	120VAC Dimming, 60Hz					
DIMMING TYPE	Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible					
MOUNTING	Mono-Point (MP)					
LISTINGS	cETLus Listed to UL and CSA Standards; Suitable for Dry Locations only Can be used to comply with the Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements DLC® Listed Declare Compliant					
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. Spot Beam available ONLY for CTL9050 Series
 3. Medium Beam NOT available for CTL9050 Series

CTL905*MP SERIES | Eclipse Curve Mono-Point Luminaires

ORDERING INFORMATION

Example Order: CTL9050MPF3CD-P


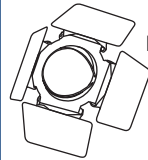
Luminaire	Mounting	Beam	Color Temp/CRI	Dimming Option	Finish
CTL9050 7W/651Lm CTL9051 9W/1021Lm CTL9052 14W/1462Lm CTL9053 20W/2123Lm CTL9059 29W/2740Lm CTL9054 34W/3441Lm	MP Mono-Point	S² Spot M³ Medium F Flood WF Wide Flood	90+ CRI 27C 2700K 3C 3000K 35C 3500K 4C 4000K	D Dimming <i>Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible</i>	B Black P White S Silver


2. Spot Beam available only for CTL9050 Series
3. Medium Beam not available for CTL9050 Series

REPLACEMENT OPTIC ORDERING INFORMATION


Optics are interchangeable and can be field replaced; only upon the same size fixture, not between fixture sizes	CTL9050		CTL9051/CTL9052		CTL9053		CTL9059/CTL9054	
	CTL9050-S	15° Spot	CTL9051/2-M	23° Medium	CTL9053-M	21° Medium	CTL9054-M	24° Medium
	CTL9050-F	32° Flood	CTL9051/2-F	33° Flood	CTL9053-F	37° Flood	CTL9054-F	33° Flood
	CTL9050-WF	58° Wide Flood	CTL9051/2-WF	52° Wide Flood	CTL9053-WF	57° Wide Flood	CTL9054-WF	48° Wide Flood

ACCESSORY ORDERING INFORMATION

 ACCESSORY HOLDERS Black (B) or White (P) Finish; Includes Honeycomb Louver	CTL9050 FA-91S CTL9051/CTL9052 FA-91M CTL9053 FA-91L CTL9059/CTL9054 FA-91XL	Finish B Black P White	 BARN DOORS Black (B) Finish	CTL9050 BD9S CTL9051/CTL9052 BD9M

 SNOOTS Black (B) or White (P) Finish	CTL9050 FA-92S CTL9051/CTL9052 FA-92M CTL9053 FA-92L CTL9059/CTL9054 FA-92XL	Finish B Black P White

Example Order: LF16-UV 42MM

 TEMPERED GLASS LENSES Lenses fit in the respective FA-91 Series Accessory Holder or FA-92 Series Snoot, ordered separately. Lens choice should be entered after the "LF16-" prefix, before lens size.	Lens	Finish 73 Spread A Amber R Red LS Linear B Blue RO Rose Spread CL Clear DPE Dichroic Peach SL Soft Light G Green Y Yellow SOL Solite LB Light Blue UV Optivex UV Filter	Size CTL9050 42MM 1-5/8-In. Diameter Lenses CTL9051/CTL9052 No MM Required 2-In. Diameter Lenses CTL9053 60MM 2-3/8-In. Diameter Lenses CTL9059/CTL9054 75MM 2-15/16-In. Diameter Lenses
	LF16		

CTL905*MP SERIES | Eclipse Curve Mono-Point Luminaires

PRODUCT SPECIFICATIONS

CONSTRUCTION

- Constructed of extruded and machined aluminum
- Heatsink and Integrated Driver Housing for a sleek modern look
- Light engine consists of a single, high lumen output multi-chip LED array

PERFORMANCE SUMMARY

- 2700K, 3000K, 3500K and 4000K color temperatures; high CRI of 90+
- Excellent fixture-to-fixture color consistency within a 4-step MacAdam Ellipse tolerance
- Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible; see photometric pages for compatible dimmers
- Beams are produced using molded TIR optics; each engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Optics are interchangeable and can be field replaced, only upon the same size fixture, not between fixture sizes

MOUNTING

- The Eclipse Cylinder Mono-Point (MP) allows for precision aiming adjustment; 315° horizontal rotation and 90° vertical tilt

DIMMING SPECIFICATIONS

- Incandescent 120VAC 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 120VAC 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

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%-100%
Leviton	Trimatron Rotary	RDL06	10%-100%
Lutron	Ariadni	TGCL-153P	4%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Lumea	LECL-153P	3%-100%

ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%-100%
Leviton	IllumaTech	IPE04-1LZ	8%-100%

NOTES

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



CTL905 SERIES | Eclipse Curve Luminaire Photometrics

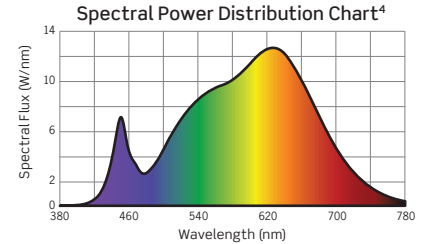
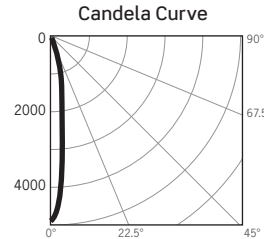
CTL9050 SERIES 7W LUMINAIRE

CTL9050: 3000K SPOT

LM-63 Test No. G19103003; LM-79 Test No. S21012801

Fixture Delivered Lumens: 592.5
Total Watts@120V: 7.0
Lumens Per Watt: 84.6
Center Beam Candle Power: 4925
Beam Distribution: 15°
Spacing Criterion: 0.28
Color Rendering Index (CRI)¹: 96
Color Temperature (CCT)²: 3153K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	307.8	1.1
6 FT	136.8	1.6
8 FT	77.0	2.1
10 FT	49.2	2.7
12 FT	34.2	3.2
14 FT	25.1	3.7

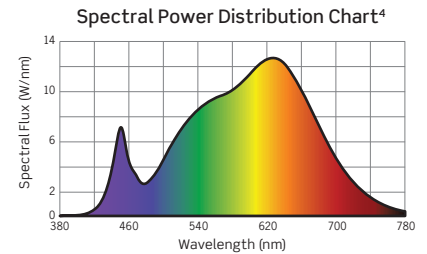
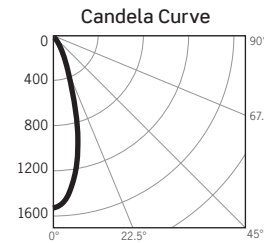


CTL9050: 3000K FLOOD

LM-63 Test No. G19103001; LM-79 Test No. S21012801

Fixture Delivered Lumens: 602.0
Total Watts@120V: 7.0
Lumens Per Watt: 86.0
Center Beam Candle Power: 1520
Beam Distribution: 32°
Spacing Criterion: 0.53
Color Rendering Index (CRI)¹: 96
Color Temperature (CCT)²: 3153K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	95.0	2.3
6 FT	42.2	3.5
8 FT	23.8	4.6
10 FT	15.2	5.8
12 FT	10.6	6.9
14 FT	7.8	8.1

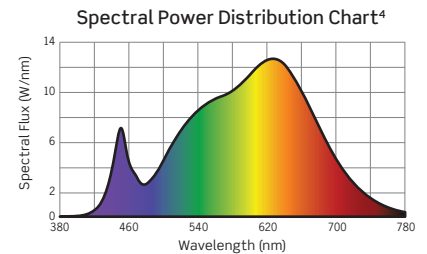
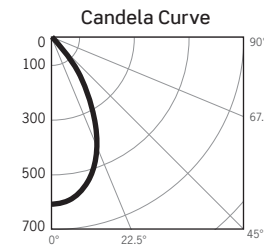


CTL9050: 3000K WIDE FLOOD

LM-63 Test No. G19103002; LM-79 Test No. S21012801

Fixture Delivered Lumens: 561.8
Total Watts@120V: 7.0
Lumens Per Watt: 80.3
Center Beam Candle Power: 605
Beam Distribution: 58.3°
Spacing Criterion: 0.88
Color Rendering Index (CRI)¹: 96
Color Temperature (CCT)²: 3153K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	37.8	4.5
6 FT	16.8	6.7
8 FT	9.5	8.9
10 FT	6.1	11.2
12 FT	4.2	13.4
14 FT	3.1	15.6



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

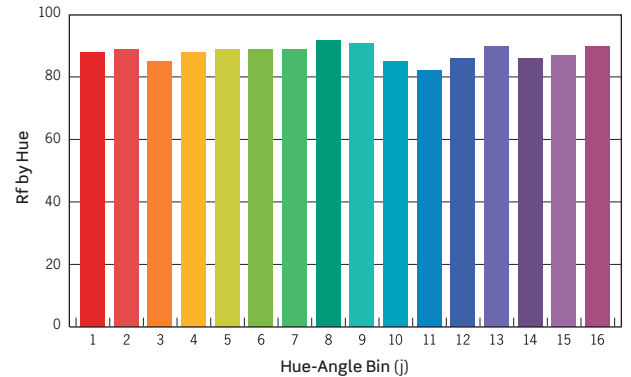
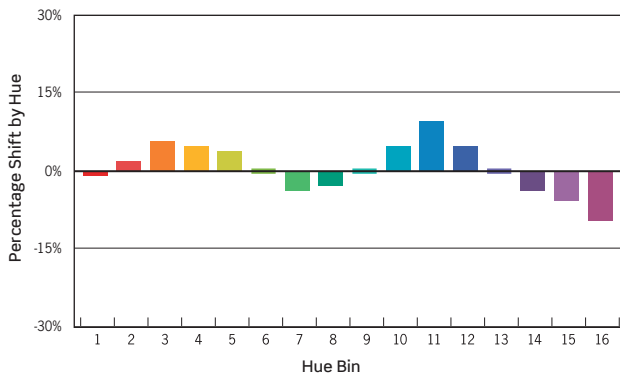
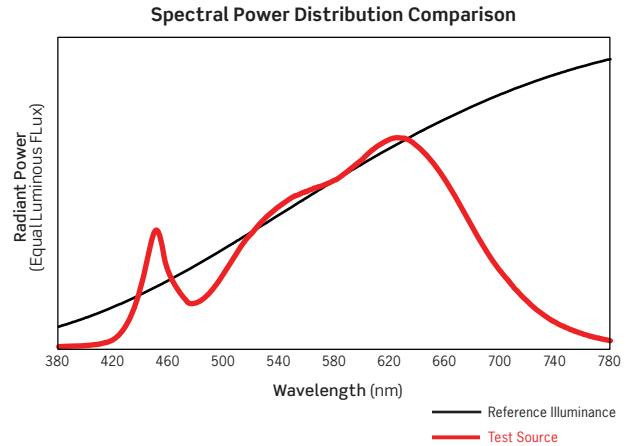
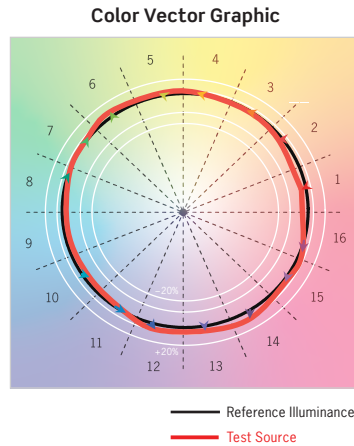
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for CTL9050: 3000K, FLOOD BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21012801

R_f	91
R_g	101
CCT(K)	3145K
D_{uv}	0.0010
u^l	0.2453
v^l	0.5198



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	2%	6%	5%	4%	0%	-4%	-3%	0%	5%	10%	5%	0%	-4%	-6%	-10%
R _f VALUE	92	93	89	92	93	93	93	96	95	89	86	90	94	90	91	88

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

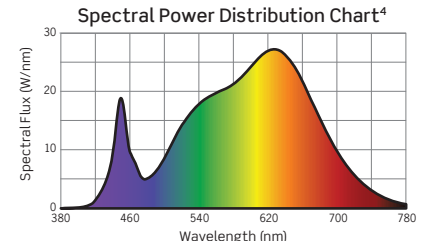
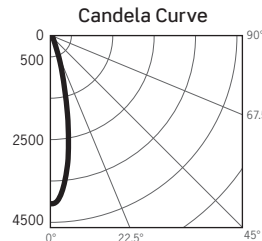
CTL9051 SERIES 9W LUMINAIRE

CTL9051: 3000K MEDIUM

LM-63 Test No. G19103006; LM-79 Test No. S21012802

Fixture Delivered Lumens: 936.6
Total Watts@120V: 9.1
Lumens Per Watt: 102.9
Center Beam Candle Power: 4075
Beam Distribution: 23°
Spacing Criterion: 0.40
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	254.7	1.6
6 FT	113.2	2.4
8 FT	63.7	3.2
10 FT	40.8	4.0
12 FT	28.3	4.8
14 FT	20.8	5.7

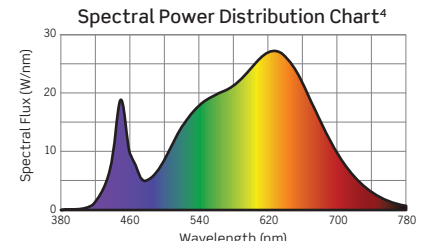
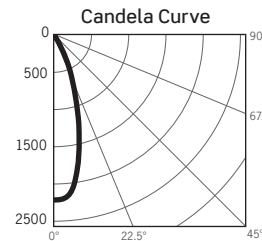


CTL9051: 3000K FLOOD

LM-63 Test No. G19103004; LM-79 Test No. S21012802

Fixture Delivered Lumens: 930.5
Total Watts@120V: 9.1
Lumens Per Watt: 102.3
Center Beam Candle Power: 2222
Beam Distribution: 33°
Spacing Criterion: 0.56
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	138.9	2.4
6 FT	61.7	3.5
8 FT	34.7	4.7
10 FT	22.2	5.9
12 FT	15.4	7.1
14 FT	11.3	8.3

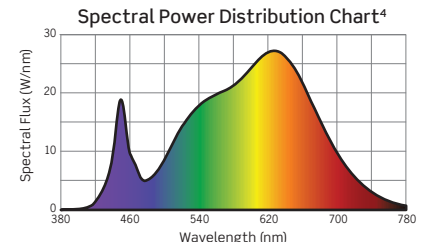
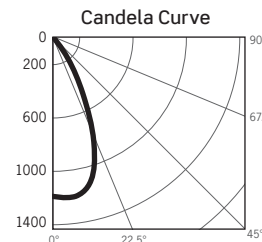


CTL9051: 3000K WIDE FLOOD

LM-63 Test No. G19103005; LM-79 Test No. S21012802

Fixture Delivered Lumens: 943.8
Total Watts@120V: 9.1
Lumens Per Watt: 103.7
Center Beam Candle Power: 1190
Beam Distribution: 52°
Spacing Criterion: 0.78
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	74.4	3.9
6 FT	33.1	5.8
8 FT	18.6	7.7
10 FT	11.9	9.7
12 FT	8.3	11.6
14 FT	6.1	13.5



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

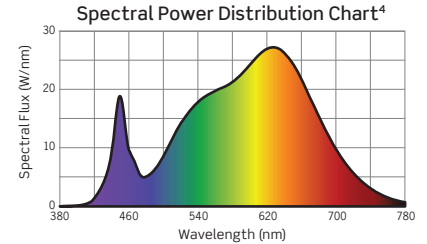
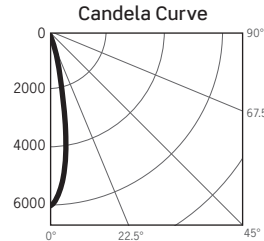
CTL9052 SERIES 14W LUMINAIRE

CTL9052: 3000K MEDIUM

LM-63 Test No. G19103103; LM-79 Test No. S21012802

Fixture Delivered Lumens: 1350.6
Total Watts@120V: 13.7
Lumens Per Watt: 98.6
Center Beam Candle Power: 6073
Beam Distribution: 23°
Spacing Criterion: 0.39
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	307.8	1.1
6 FT	136.8	1.6
8 FT	77.0	2.1
10 FT	49.2	2.7
12 FT	34.2	3.2
14 FT	25.1	3.7

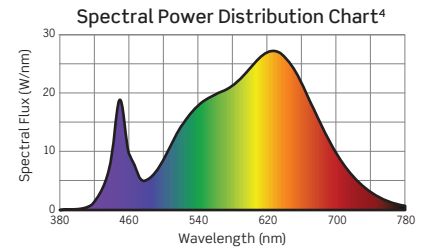
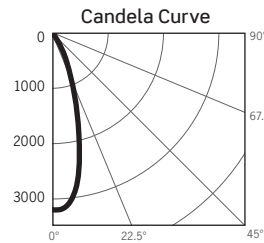


CTL9052: 3000K FLOOD

LM-63 Test No. G19103101; LM-79 Test No. S21012802

Fixture Delivered Lumens: 1323.7
Total Watts@120V: 13.7
Lumens Per Watt: 96.6
Center Beam Candle Power: 3194
Beam Distribution: 33°
Spacing Criterion: 0.56
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	199.6	2.4
6 FT	88.7	3.6
8 FT	49.9	4.8
10 FT	31.9	6.0
12 FT	22.2	7.2
14 FT	16.3	8.4

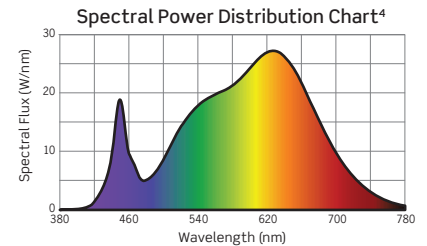
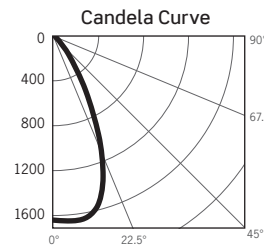


CTL9052: 3000K WIDE FLOOD

LM-63 Test No. G19103102; LM-79 Test No. S21012802

Fixture Delivered Lumens: 1344.7
Total Watts@120V: 13.7
Lumens Per Watt: 98.2
Center Beam Candle Power: 1638
Beam Distribution: 53°
Spacing Criterion: 0.80
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	102.4	4.0
6 FT	45.5	6.0
8 FT	25.6	7.9
10 FT	16.4	10.0
12 FT	11.4	11.9
14 FT	8.4	13.8



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

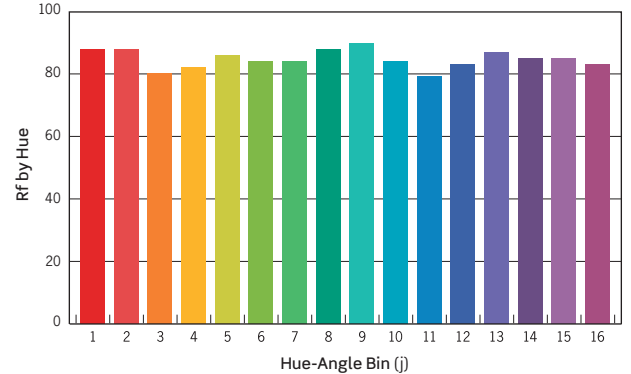
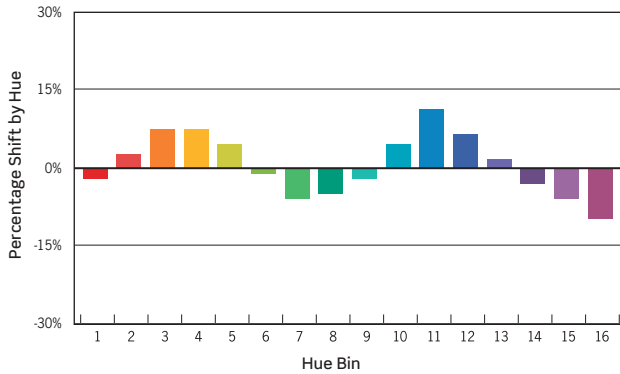
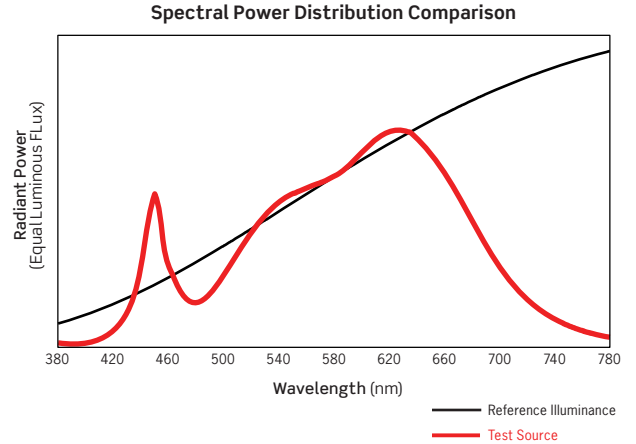
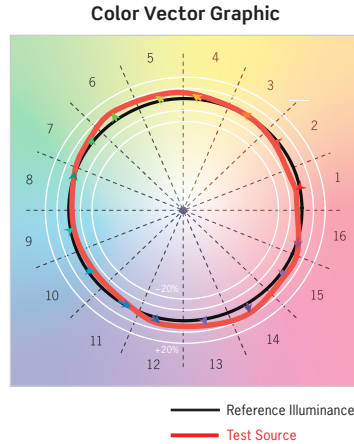
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for CTL9051/CTL9052: 3000K, FLOOD BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21012802

R_f	89
R_g	104
CCT(K)	3123K
D_{uv}	-0.0034
u^l	0.2478
v^l	0.5141



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-2%	5%	12%	7%	2%	-3%	-6%	-10%
R _f VALUE	92	92	84	86	90	88	88	92	94	88	83	87	91	89	89	87

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

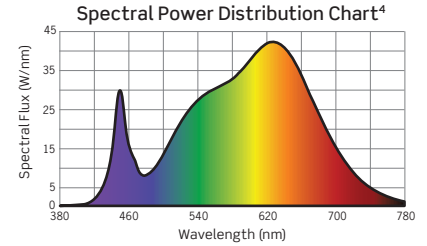
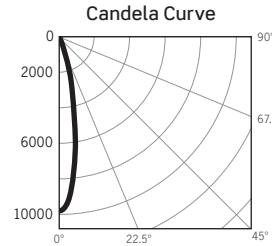
CTL9053 SERIES 20W LUMINAIRE

CTL9053: 3000K MEDIUM

LM-63 Test No. G19103106; LM-79 Test No. S21012803

Fixture Delivered Lumens: 1950.4
Total Watts@120V: 19.6
Lumens Per Watt: 99.5
Center Beam Candle Power: 9771
Beam Distribution: 21°
Spacing Criterion: 0.40
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3096K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	610.7	1.5
6 FT	271.4	2.2
8 FT	152.7	3.0
10 FT	97.7	3.7
12 FT	67.9	4.5
14 FT	49.9	5.2

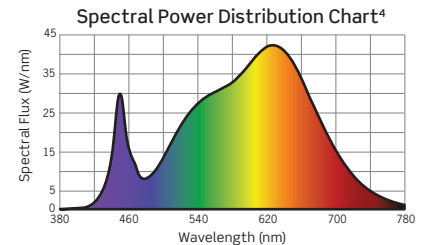
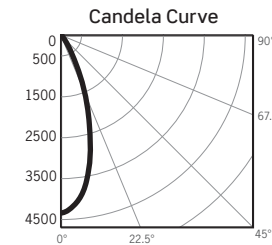


CTL9053: 3000K FLOOD

LM-63 Test No. G19103104; LM-79 Test No. S21012803

Fixture Delivered Lumens: 1961.7
Total Watts@120V: 19.6
Lumens Per Watt: 100.1
Center Beam Candle Power: 4345
Beam Distribution: 37°
Spacing Criterion: 0.60
Color Rendering Index (CRI)¹: 96
Color Temperature (CCT)²: 3153K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	271.6	2.7
6 FT	120.7	4.0
8 FT	67.9	5.4
10 FT	43.5	6.7
12 FT	30.2	8.0
14 FT	22.2	9.4

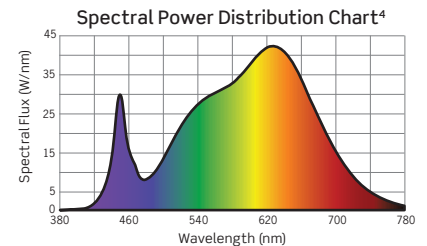
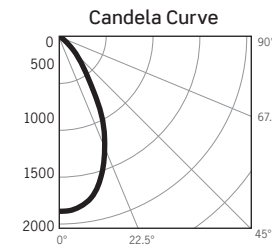


CTL9053: 3000K WIDE FLOOD

LM-63 Test No. G19103105; LM-79 Test No. S21012803

Fixture Delivered Lumens: 1762.9
Total Watts@120V: 19.6
Lumens Per Watt: 89.9
Center Beam Candle Power: 1849
Beam Distribution: 57°
Spacing Criterion: 0.86
Color Rendering Index (CRI)¹: 96
Color Temperature (CCT)²: 3153K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	115.6	4.3
6 FT	51.4	6.5
8 FT	28.9	8.6
10 FT	18.5	10.8
12 FT	12.8	12.9
14 FT	9.4	15.1



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

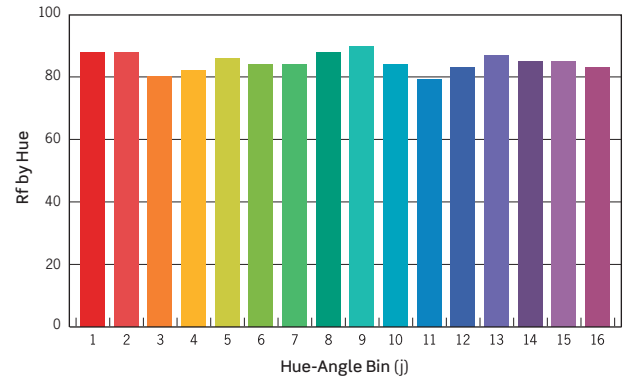
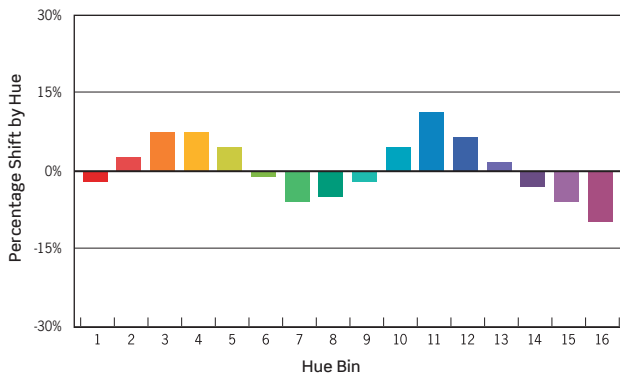
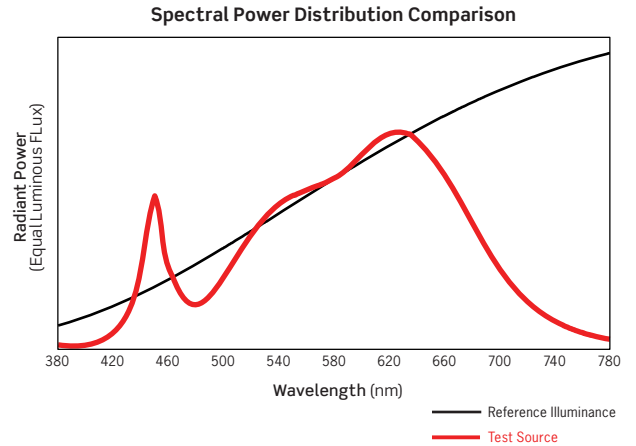
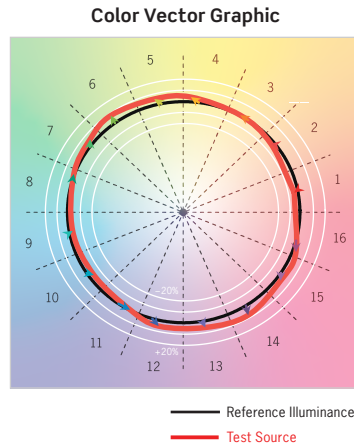
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for CTL9053: 3000K, FLOOD BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21012803

R_f	89
R_g	104
CCT(K)	3096K
D_{uv}	-0.0039
u^l	0.2488
v^l	0.5140



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-1%	5%	11%	7%	1%	-3%	-6%	-10%
R _f VALUE	93	92	84	87	90	88	89	92	94	89	83	87	92	89	89	87

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

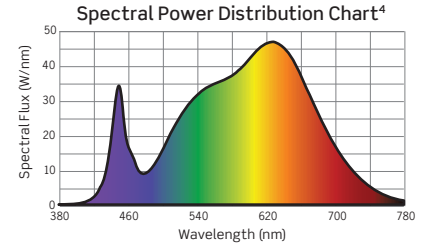
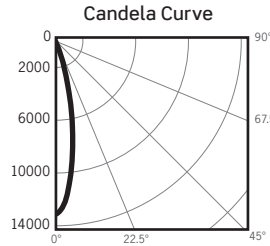
CTL9059 SERIES 29W LUMINAIRE

CTL9059: 3000K MEDIUM

LM-63 Test No. G21083003; LM-79 Test No. S21081906

Fixture Delivered Lumens: 2537.3
Total Watts@120V: 28.8
Lumens Per Watt: 87.8
Center Beam Candle Power: 13346
Beam Distribution: 21.7°
Spacing Criterion: 0.38
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3179K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	834.1	1.5
6 FT	370.7	2.3
8 FT	208.5	3.1
10 FT	133.5	3.8
12 FT	92.7	4.6
14 FT	68.1	5.4

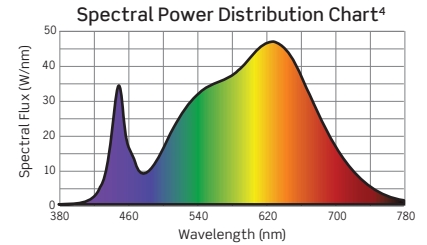
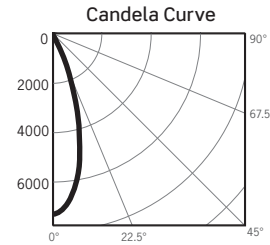


CTL9059: 3000K FLOOD

LM-63 Test No. G21083002; LM-79 Test No. S21081906

Fixture Delivered Lumens: 1961.7
Total Watts@120V: 19.6
Lumens Per Watt: 100.1
Center Beam Candle Power: 4345
Beam Distribution: 37°
Spacing Criterion: 0.60
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3179K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	458.5	2.3
6 FT	203.8	3.5
8 FT	114.6	4.7
10 FT	73.4	5.8
12 FT	50.9	7.0
14 FT	37.4	8.1

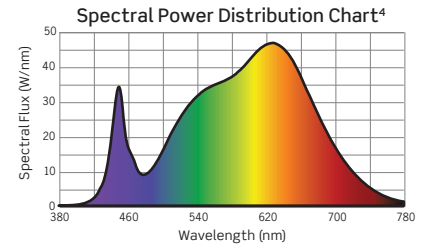
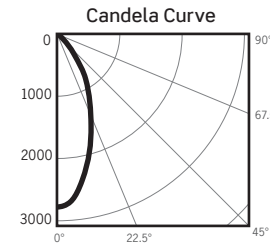


CTL9059: 3000K WIDE FLOOD

LM-63 Test No. G21083001; LM-79 Test No. S21081906

Fixture Delivered Lumens: 2519.8
Total Watts@120V: 28.9
Lumens Per Watt: 87.2
Center Beam Candle Power: 7335
Beam Distribution: 32.4°
Spacing Criterion: 0.53
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3179K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	173.9	3.5
6 FT	77.3	5.2
8 FT	43.5	7.0
10 FT	27.8	8.7
12 FT	19.3	10.5
14 FT	14.2	12.2



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

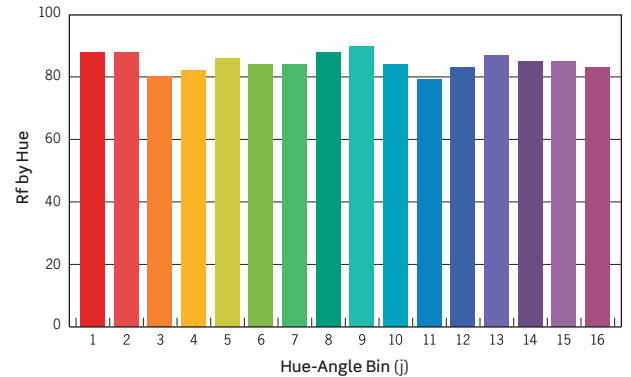
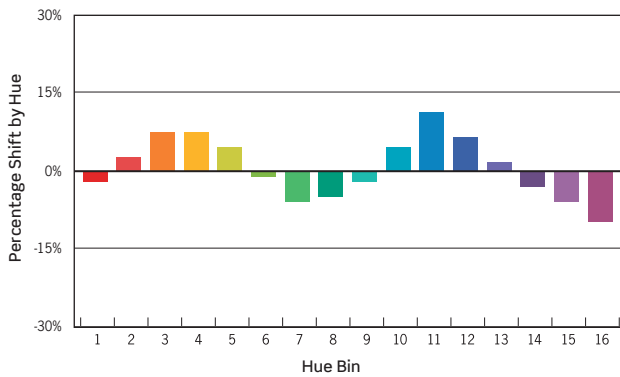
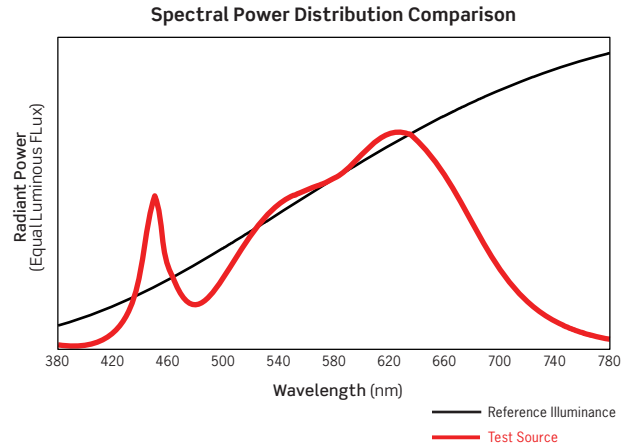
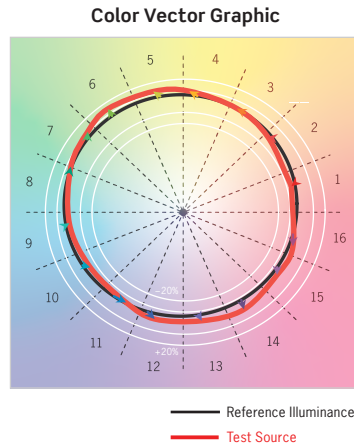
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for CTL9059: 3000K, WIDE FLOOD BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21081906

R_f	89
R_g	104
CCT(K)	3179K
D_{uv}	-0.0029
u^l	0.2458
v^l	0.5137



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-1%	5%	12%	7%	2%	-3%	-6%	-10%
R _f VALUE	93	93	85	87	90	89	89	92	94	88	83	87	92	89	89	87

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

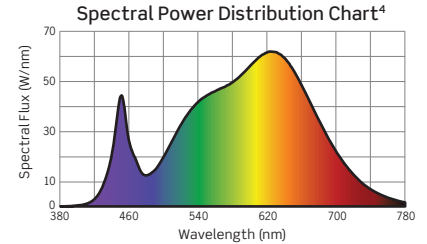
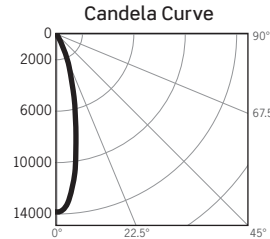
CTL9054 SERIES 34W LUMINAIRE

CTL9054: 3000K SPOT

LM-63 Test No. G19110102; LM-79 Test No. S21012804

Fixture Delivered Lumens: 3182.5
Total Watts@120V: 34
Lumens Per Watt: 93.6
Center Beam Candle Power: 13850
Beam Distribution: 24°
Spacing Criterion: 0.42
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3178K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	865.6	1.7
6 FT	384.7	2.6
8 FT	216.4	3.4
10 FT	138.5	4.3
12 FT	96.2	5.1
14 FT	70.7	6.0

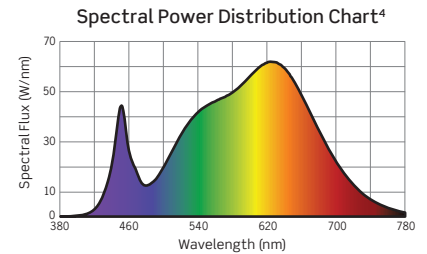
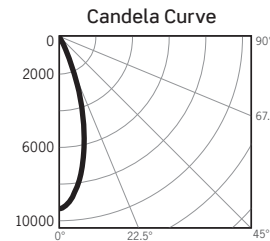


CTL9054: 3000K FLOOD

LM-63 Test No. G19103107; LM-79 Test No. S21012804

Fixture Delivered Lumens: 3182.4
Total Watts@120V: 34
Lumens Per Watt: 93.3
Center Beam Candle Power: 9335
Beam Distribution: 33°
Spacing Criterion: 0.54
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3178K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	583.5	2.4
6 FT	259.3	3.5
8 FT	145.9	4.7
10 FT	93.4	5.9
12 FT	64.8	7.1
14 FT	47.6	8.3

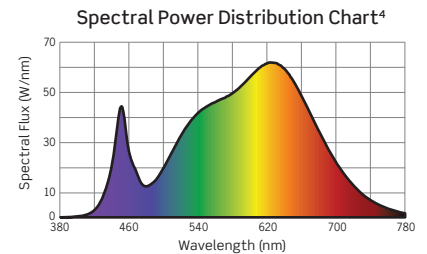
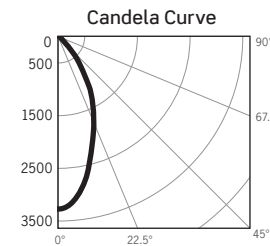


CTL9054: 3000K WIDE FLOOD

LM-63 Test No. G19110101; LM-79 Test No. S21012804

Fixture Delivered Lumens: 2601.4
Total Watts@120V: 34
Lumens Per Watt: 76.5
Center Beam Candle Power: 3265
Beam Distribution: 48°
Spacing Criterion: 0.80
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3178K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	204.1	3.6
6 FT	90.7	5.4
8 FT	51.0	7.1
10 FT	32.6	8.9
12 FT	22.7	10.7
14 FT	16.7	12.5



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

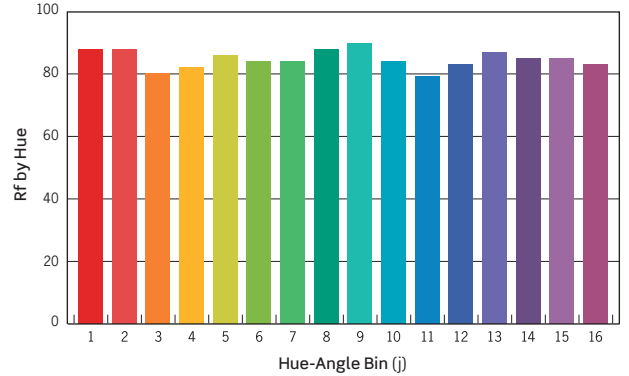
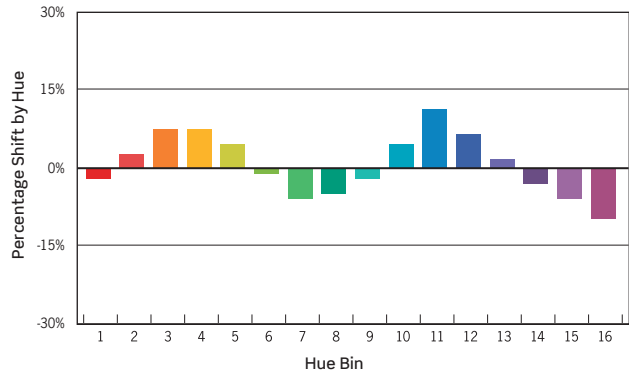
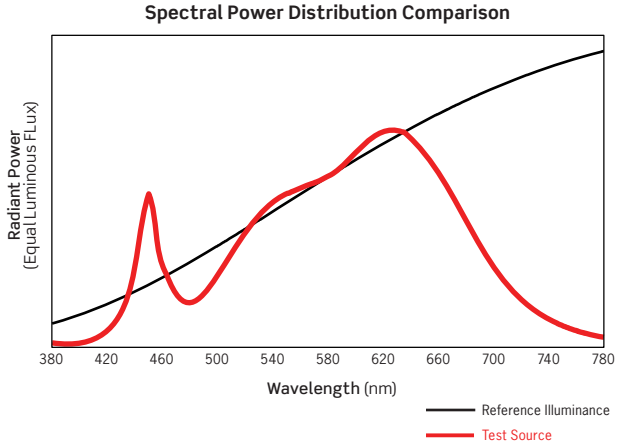
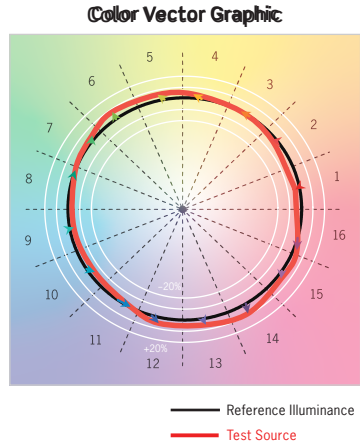
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for CTL9054: 3000K, FLOOD BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21012804

R_f	89
R_g	103
CCT(K)	3178K
D_{uv}	-0.0035
u^l	0.2461
v^l	0.5130



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-1%	6%	12%	7%	2%	-3%	-6%	-11%
R _f VALUE	92	92	84	87	90	89	90	92	94	87	82	87	91	89	89	87

Colors are for visual orientation purposes only