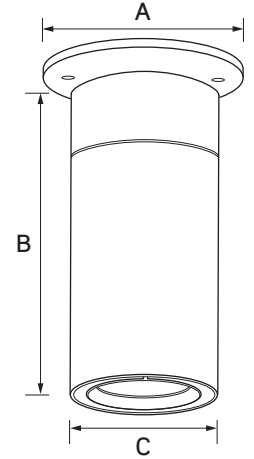


# CTL905\*CM SERIES | Eclipse Curve Ceiling Mount Luminaires



	A	B	C
<b>CTL9050</b>	4-3/4"	4-3/4"	2-3/8"
<b>CTL9051</b>	4-3/4"	5-1/4"	2-3/4"
<b>CTL9052</b>	4-3/4"	5-1/4"	2-3/4"
<b>CTL9053</b>	4-3/4"	6-1/8"	3-3/16"
<b>CTL9059</b>	4-3/4"	6-7/8"	3-15/16"
<b>CTL9054</b>	4-3/4"	6-7/8"	3-15/16"



	CTL9050	CTL9051	CTL9052	CTL9053	CTL9059	CTL9054
WATTAGE	7W	9W	14W	20W	29W	34W
LUMEN OUTPUT <sup>1</sup>	651Lm	1021Lm	1462Lm	2123Lm	2740Lm	3441Lm
BEAM OPTICS						
Spot <sup>2</sup>	15°	N/A	N/A	N/A	N/A	N/A
Medium <sup>3</sup>	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	Ceiling Mount (CM)					
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\*CM SERIES | Eclipse Curve Ceiling Mount Luminaires

## ORDERING INFORMATION

Example Order: CTL9050CMF3CD-P


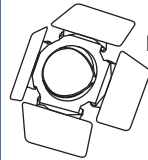
Luminaire	Mounting	Beam	Color Temp./CRI	Dimming Option	Finish
<b>CTL9050</b> 7W/651Lm <b>CTL9051</b> 9W/1021Lm <b>CTL9052</b> 14W/1462Lm <b>CTL9053</b> 20W/2123Lm <b>CTL9059</b> 29W/2740Lm <b>CTL9054</b> 34W/3441Lm	<b>CM</b> Ceiling Mount	<b>S<sup>2</sup></b> Spot <b>M<sup>3</sup></b> Medium <b>F</b> Flood <b>WF</b> Wide Flood	90+ CRI <b>27C</b> 2700K <b>3C</b> 3000K <b>35C</b> 3500K <b>4C</b> 4000K	<b>D</b> Dimming  <i>Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible</i>	<b>B</b> Black <b>P</b> White <b>S</b> 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	
	<b>CTL9050-S</b>	15° Spot	<b>CTL9051/2-M</b>	23° Medium	<b>CTL9053-M</b>	21° Medium	<b>CTL9054-M</b>	24° Medium
	<b>CTL9050-F</b>	32° Flood	<b>CTL9051/2-F</b>	33° Flood	<b>CTL9053-F</b>	37° Flood	<b>CTL9054-F</b>	33° Flood
	<b>CTL9050-WF</b>	58° Wide Flood	<b>CTL9051/2-WF</b>	52° Wide Flood	<b>CTL9053-WF</b>	57° Wide Flood	<b>CTL9054-WF</b>	48° Wide Flood

## ACCESSORY ORDERING INFORMATION

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

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

Example Order: LF16-UV 42MM

 <b>TEMPERED GLASS LENSES</b> 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 <b>73</b> Spread   <b>A</b> Amber   <b>R</b> Red <b>LS</b> Linear   <b>B</b> Blue   <b>RO</b> Rose Spread   <b>CL</b> Clear   <b>DPE</b> Dichroic Peach <b>SL</b> Soft Light   <b>G</b> Green   <b>Y</b> Yellow <b>SOL</b> Solite   <b>LB</b> Light Blue <b>UV</b> Optivex UV Filter	Size <b>CTL9050</b> 42MM 1-5/8-In. Diameter Lenses <b>CTL9051/CTL9052</b> No MM Required 2-In. Diameter Lenses <b>CTL9053</b> 60MM 2-3/8-In. Diameter Lenses <b>CTL9059/CTL9054</b> 75MM 2-15/16-In. Diameter Lenses
	LF16		

# CTL905\*CM SERIES | Eclipse Curve Ceiling Mount 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 Ceiling Mount (CM) mounts to standard recessed junction boxes for downlighting applications



## 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	IlumaTech	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

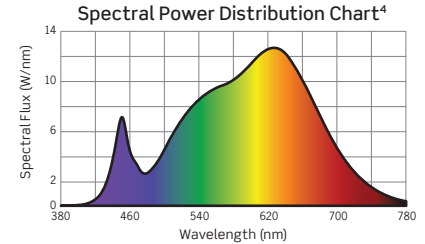
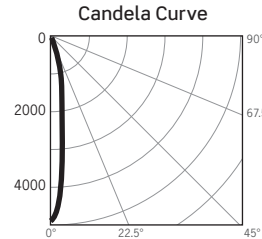
## CTL9050 SERIES 7W LUMINAIRE

### 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)<sup>1</sup>: 96  
Color Temperature (CCT)<sup>2</sup>: 3153K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

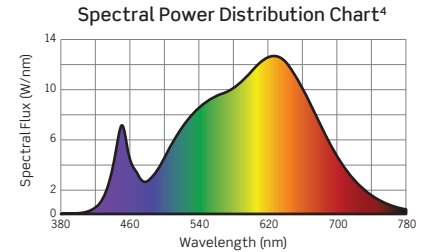
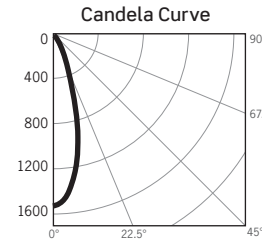


### CTL9050: 3000K FLOOD

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)<sup>1</sup>: 96  
Color Temperature (CCT)<sup>2</sup>: 3153K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

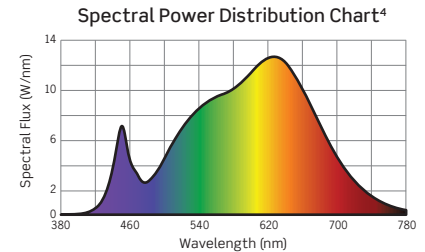
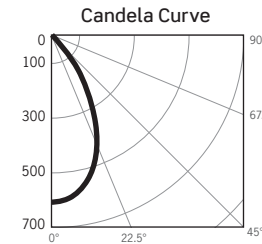


### CTL9050: 3000K WIDE FLOOD

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)<sup>1</sup>: 96  
Color Temperature (CCT)<sup>2</sup>: 3153K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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%

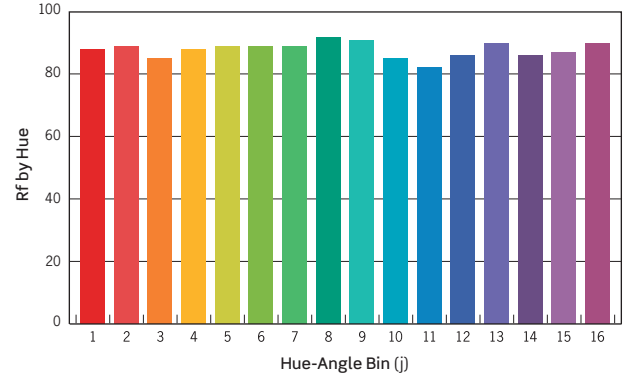
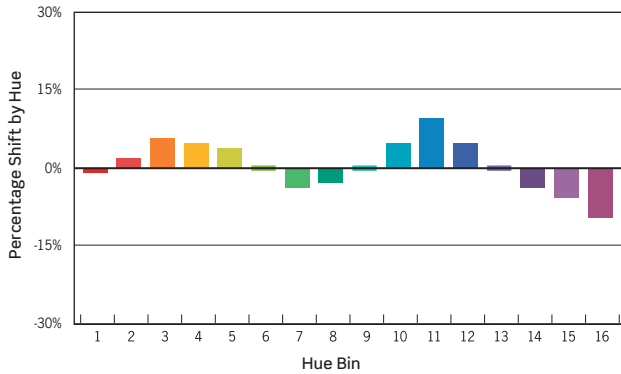
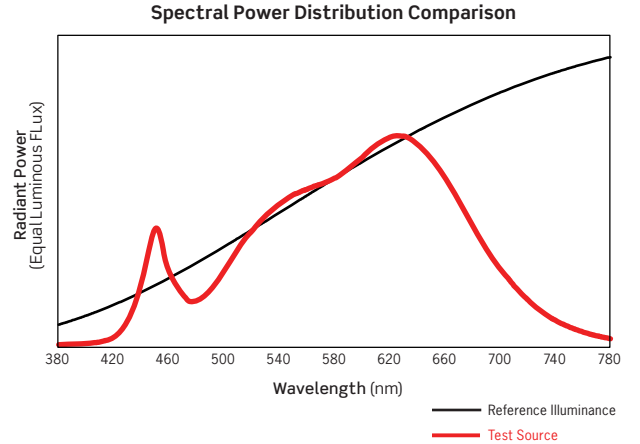
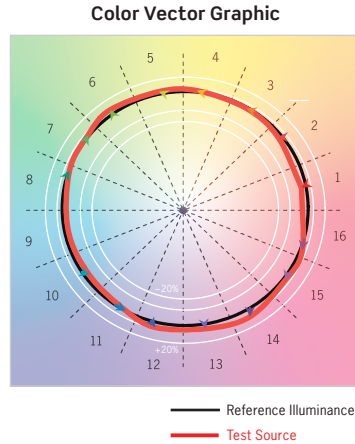
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

# 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 <sub>f</sub> 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

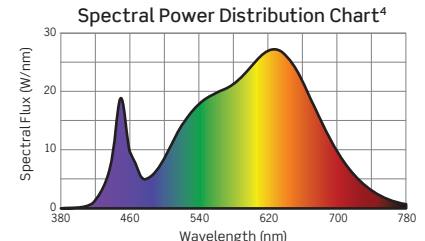
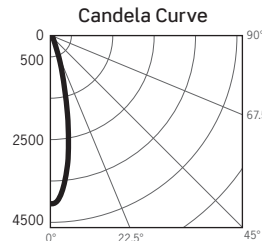
## CTL9051 SERIES 9W LUMINAIRE

### 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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3123K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

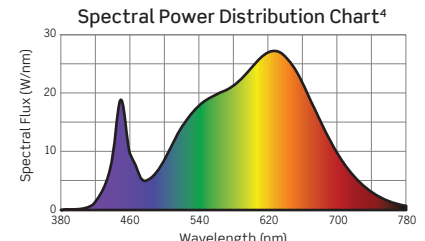
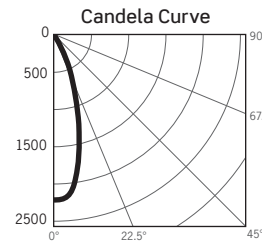


### CTL9051: 3000K FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3123K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

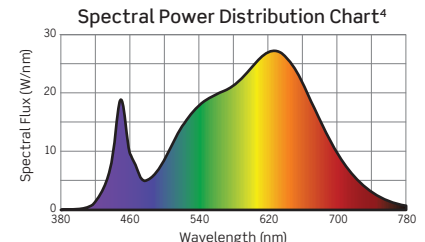
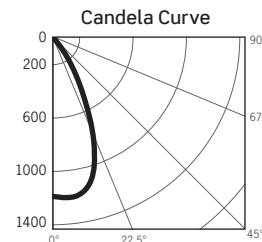


### CTL9051: 3000K WIDE FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3123K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

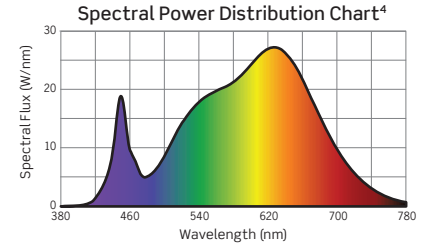
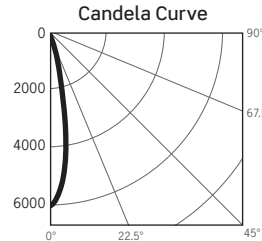
## CTL9052 SERIES 14W LUMINAIRE

### 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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3123K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

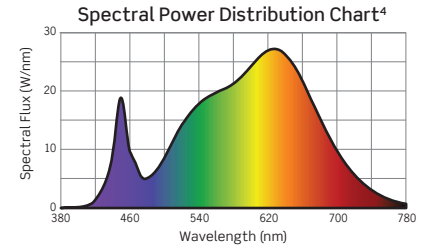
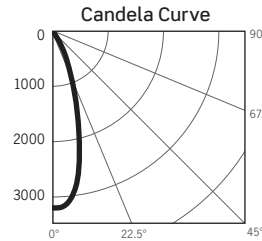


### CTL9052: 3000K FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3123K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

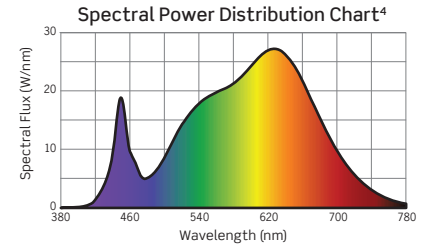
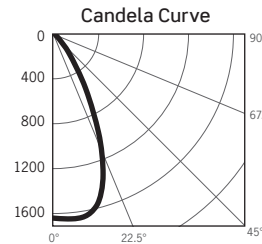


### CTL9052: 3000K WIDE FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3123K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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%

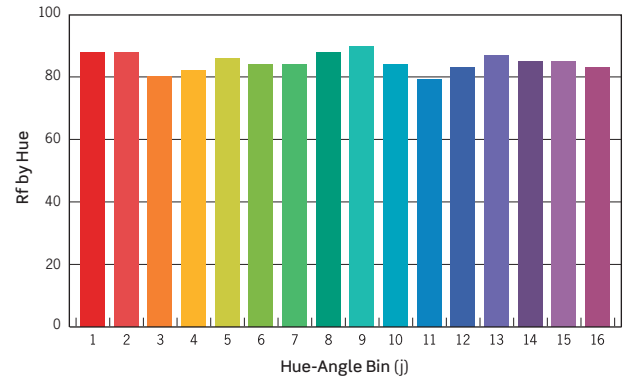
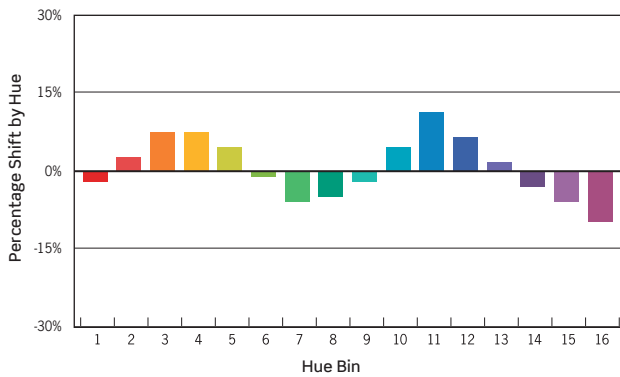
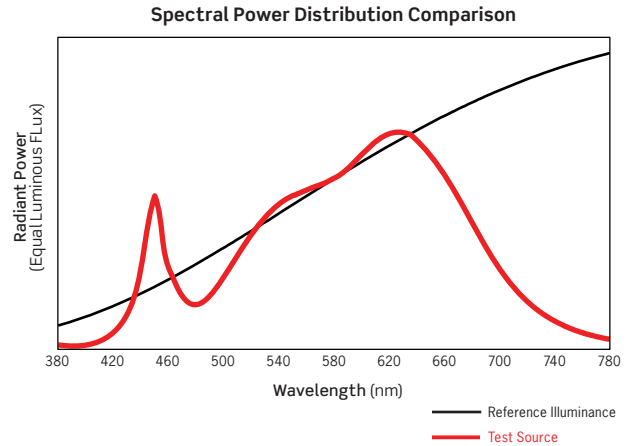
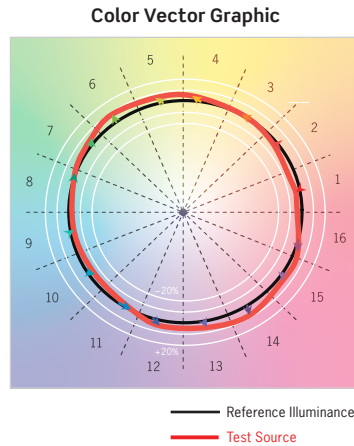
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

# 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 <sub>f</sub> 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

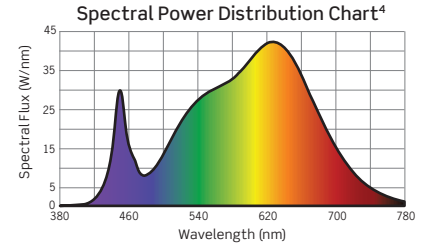
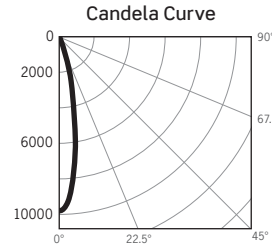
## CTL9053 SERIES 20W LUMINAIRE

### 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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3096K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

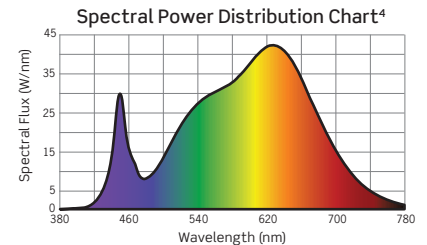
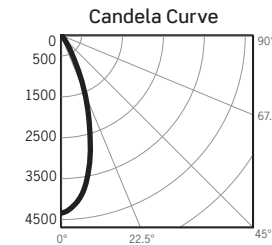


### CTL9053: 3000K FLOOD

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)<sup>1</sup>: 96  
Color Temperature (CCT)<sup>2</sup>: 3153K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

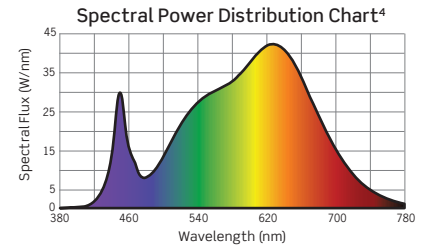
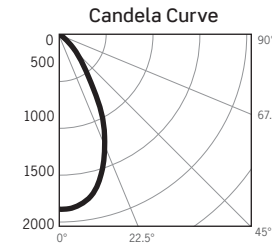


### CTL9053: 3000K WIDE FLOOD

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)<sup>1</sup>: 96  
Color Temperature (CCT)<sup>2</sup>: 3153K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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%

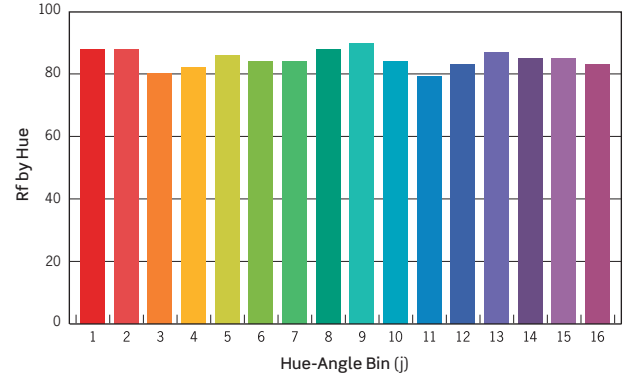
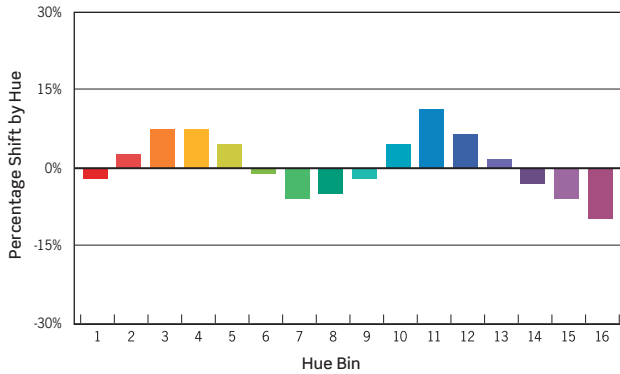
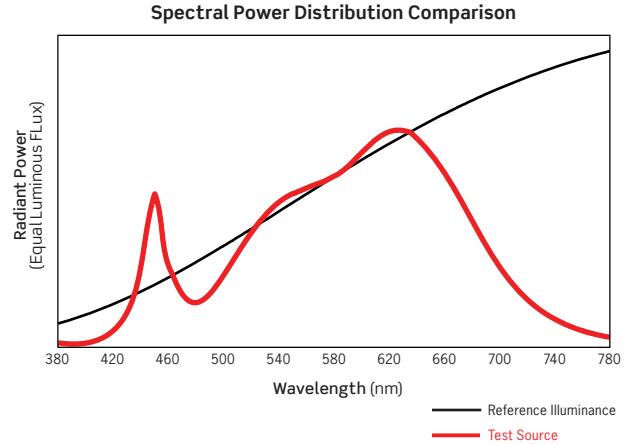
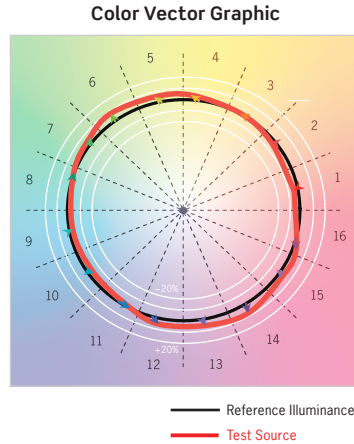
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

# 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 <sub>f</sub> 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

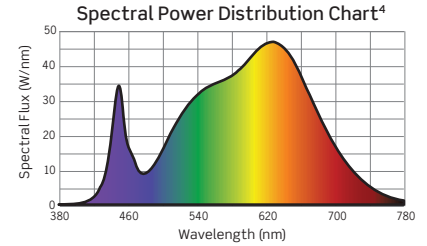
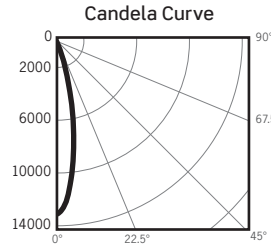
## CTL9059 SERIES 29W LUMINAIRE

### 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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3179K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

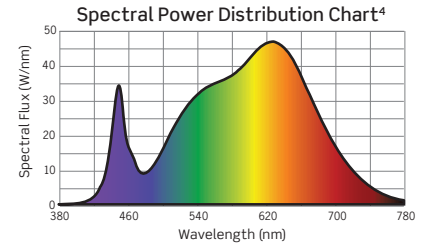
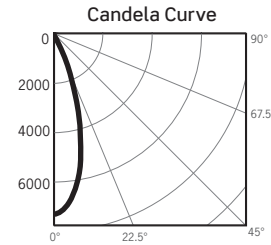


### CTL9059: 3000K FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3179K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

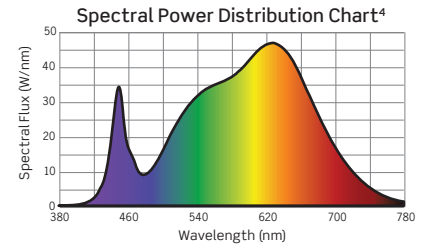
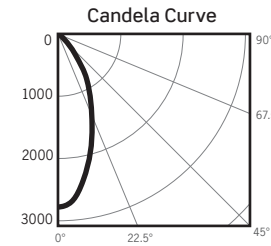


### CTL9059: 3000K WIDE FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3179K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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%

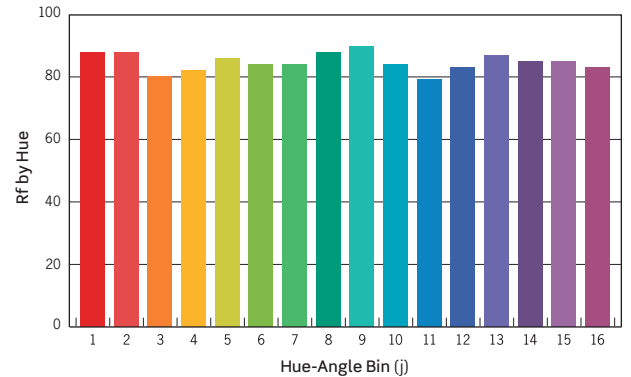
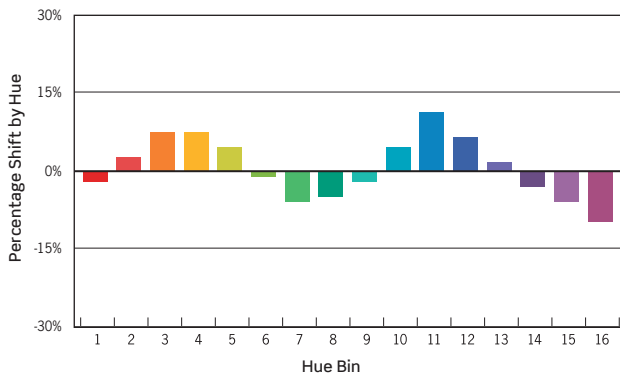
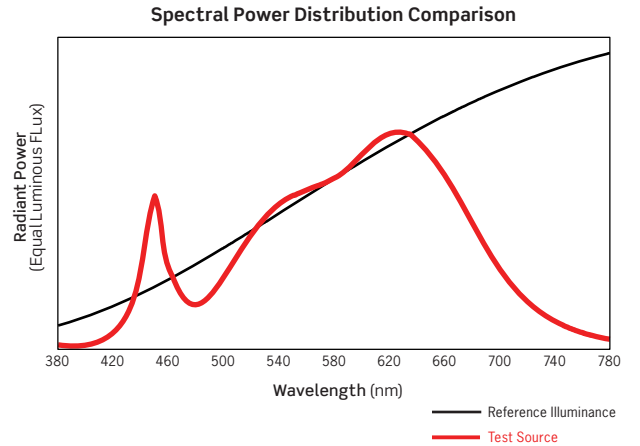
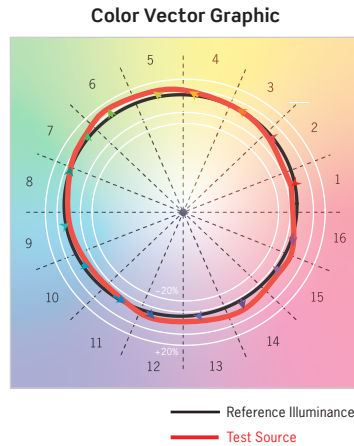
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

# 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 <sub>f</sub> 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

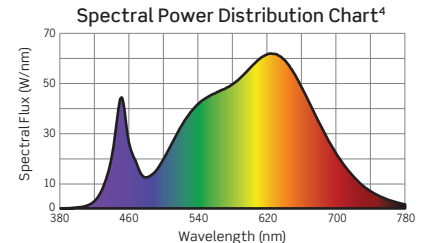
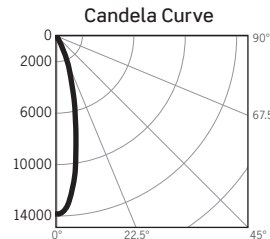
## CTL9054 SERIES 34W LUMINAIRE

### 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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3178K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

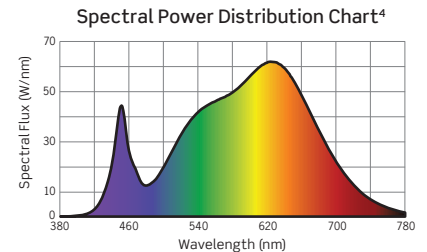
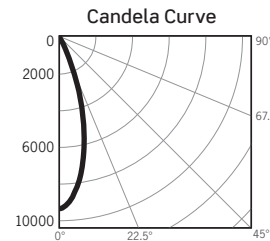


### CTL9054: 3000K FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3178K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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

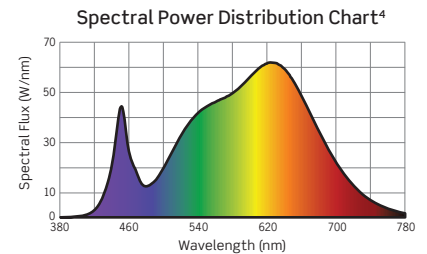
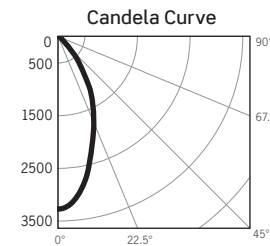


### CTL9054: 3000K WIDE FLOOD

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)<sup>1</sup>: 92  
Color Temperature (CCT)<sup>2</sup>: 3178K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

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%

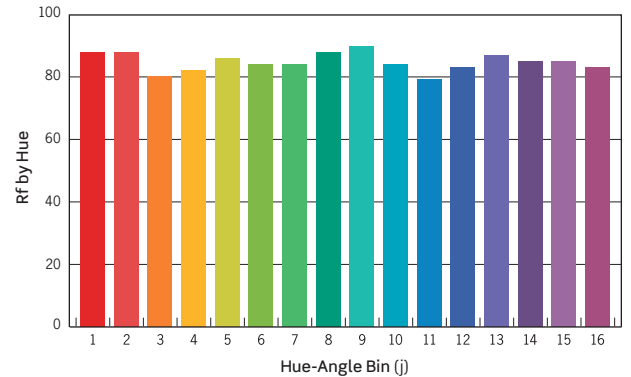
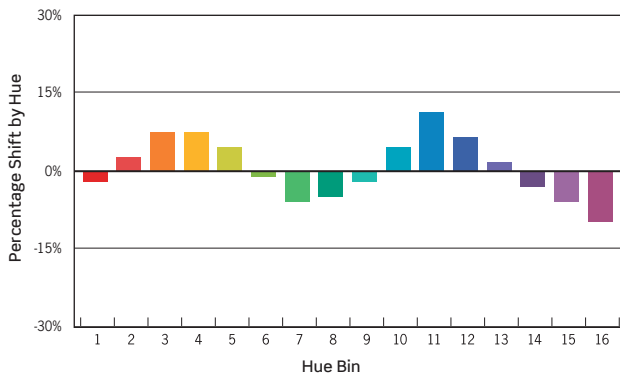
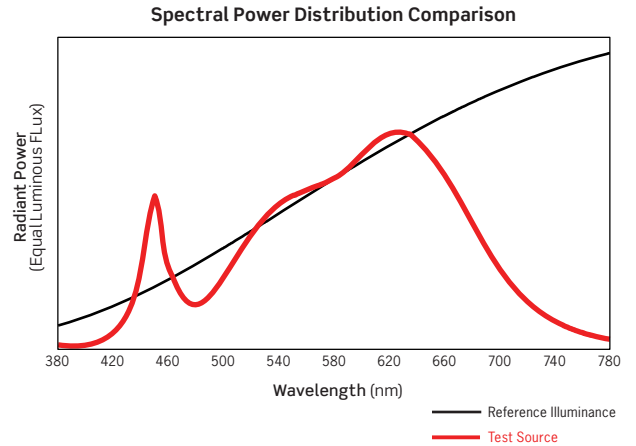
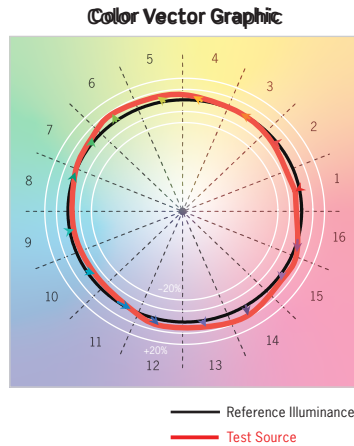
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

# 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 <sub>f</sub> VALUE	92	92	84	87	90	89	90	92	94	87	82	87	91	89	89	87

Colors are for visual orientation purposes only