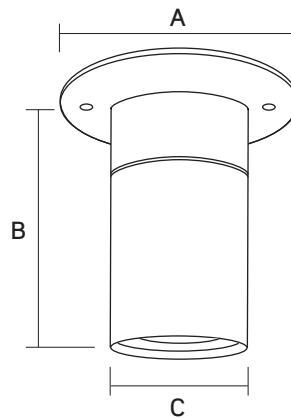


DATE


PROJECT

TYPE

# 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"

	<b>CTL9050</b>	<b>CTL9051</b>	<b>CTL9052</b>	<b>CTL9053</b>	<b>CTL9059</b>	<b>CTL9054</b>
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					
MOUNTING	Ceiling Mount (CM)					
LISTINGS	 cETLus Listed to UL and CSA Standards; Suitable for Dry Locations only ENERGY STAR® Certified Can be used to comply with the 2019 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

DATE

PROJECT

TYPE

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

## ORDERING INFORMATION

Example Order:  -

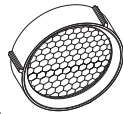
Luminaire	Mounting	Beam	Color Temp/CRI	Dimming Option	Finish
<b>CTL9050</b> - 7W/651Lm	<b>CM</b> - Ceiling Mount	<b>S<sup>2</sup></b> - Spot	<b>90+ CRI</b>	<b>D</b> - Dimming	<b>B</b> - Black
<b>CTL9051</b> - 9W/1021Lm		<b>M<sup>3</sup></b> - Medium	<b>27C</b> - 2700K		<b>P</b> - White
<b>CTL9052</b> - 14W/1462Lm		<b>F</b> - Flood	<b>3C</b> - 3000K		<b>S</b> - Silver
<b>CTL9053</b> - 20W/2123Lm		<b>WF</b> - Wide Flood	<b>35C</b> - 3500K		
<b>CTL9059</b> - 29W/2740Lm			<b>4C</b> - 4000K		
<b>CTL9054</b> - 34W/3441Lm					

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

## ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

### ACCESSORY HOLDERS

Black (B) or White (P) Finish;  
Includes Honeycomb Louver



**CTL9050 Series**  
**FA-91S-(B,P)** - Accessory Holder

**CTL9051/CTL9052 Series**  
**FA-91M-(B,P)** - Accessory Holder

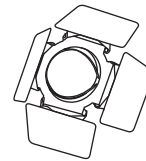
**CTL9053 Series**  
**FA-91L-(B,P)** - Accessory Holder

**CTL9059/CTL9054 Series**  
**FA-91XL-(B,P)** - Accessory Holder

### BARN DOORS

**CTL9050 Series**  
**BD9S** - Black Barn Doors

**CTL9051/CTL9052 Series**  
**BD9M** - Black Barn Doors



### 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.

Example Order:  -

**CTL9050 Series**  
**LF16-\* 42MM** - 1-5/8-Inch Dia. Lenses

**CTL9051/CTL9052 Series**  
**LF16-\* 50MM** - 2-Inch Dia. Lenses

**CTL9053 Series**  
**LF16-\* 60MM** - 2-3/8-Inch Dia. Lenses

**CTL9059/CTL9054 Series**  
**LF16-\* 75MM** - 2-15/16-In. Dia. Lenses

### \*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), -G (Green), -LB (Light Blue), -R (Red), -RO (Rose),  
-Y (Yellow)

### REPLACEMENT OPTICS

Optics are interchangeable and can be field replaced; only upon the same size fixture, not between fixture sizes

**CTL9050 Series**  
**CTL9050-S** - 15° Spot  
**CTL9050-F** - 32° Flood  
**CTL9050-WF** - 58° Wide Flood

**CTL9051/CTL9052 Series**  
**CTL9051/2-M** - 23° Medium  
**CTL9051/2-F** - 33° Flood  
**CTL9051/2-WF** - 52° Wide Flood

**CTL9053 Series**  
**CTL9053-M** - 21° Medium  
**CTL9053-F** - 37° Flood  
**CTL9053-WF** - 57° Wide Flood

**CTL9059/CTL9054 Series**  
**CTL9054-M** - 24° Medium  
**CTL9054-F** - 33° Flood  
**CTL9054-WF** - 48° Wide Flood

### SNOOTS

**CTL9050 Series**  
**FA-92S-(B,P)** - Snoot

**CTL9051/CTL9052 Series**  
**FA-92M-(B,P)** - Snoot

**CTL9053 Series**  
**FA-92L-(B,P)** - Snoot

**CTL9059/CTL9054 Series**  
**FA-92XL-(B,P)** - Snoot



DATE

PROJECT

TYPE

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

## PRODUCT DETAILS

### 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
- Forward Phase (Incandescent) Dimming is standard; 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



DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

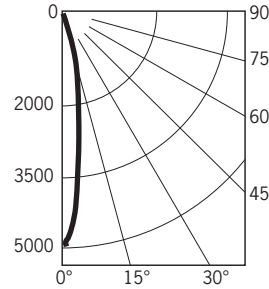
## CTL9050: 3000K SPOT

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 Life<sup>3</sup>  
 LM-63 Test No. G19103003  
 LM-79 Test No. S19103101

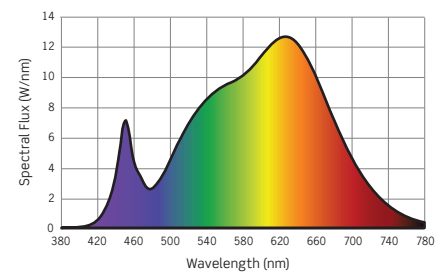
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



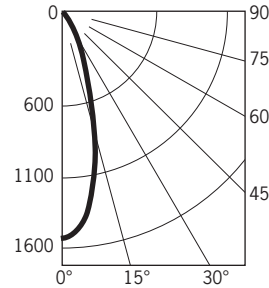
## CTL9050: 3000K FLOOD

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)2: 96  
 Color Temperature (CCT)3: 3153K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103001  
 LM-79 Test No. S19103101

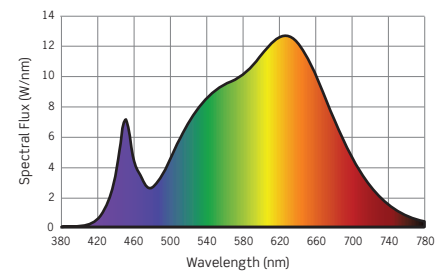
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



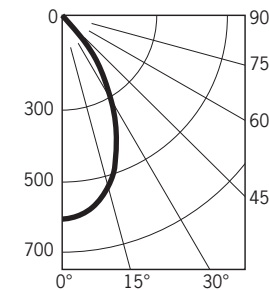
## CTL9050: 3000K WIDE FLOOD

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 Life<sup>3</sup>  
 LM-63 Test No. G19103002  
 LM-79 Test No. S19103101

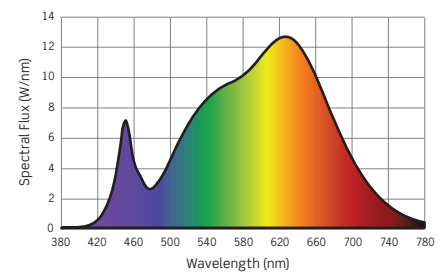
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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; 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

## DIMMING SPECIFICATIONS

Compatible with most Triac (Incandescent) Dimmers

### TRIAC (INCANDESCENT) DIMMERS

Leviton Illumatech  
 Leviton SureSlide  
 Lutron Diva  
 Lutron Skylark  
 Lutron Toggler

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

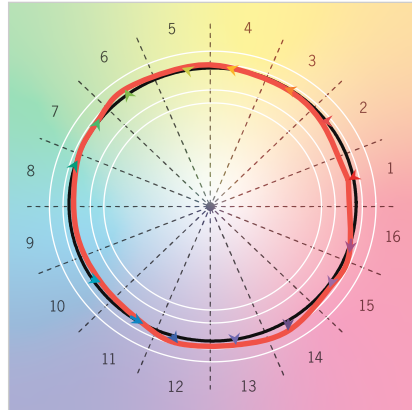
## TM-30 DATA: CTL9050: 3000K FLOOD

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

Colors are for visual orientation purposes only

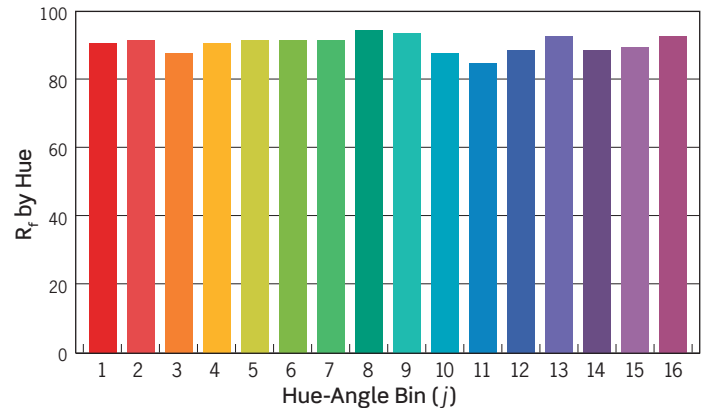
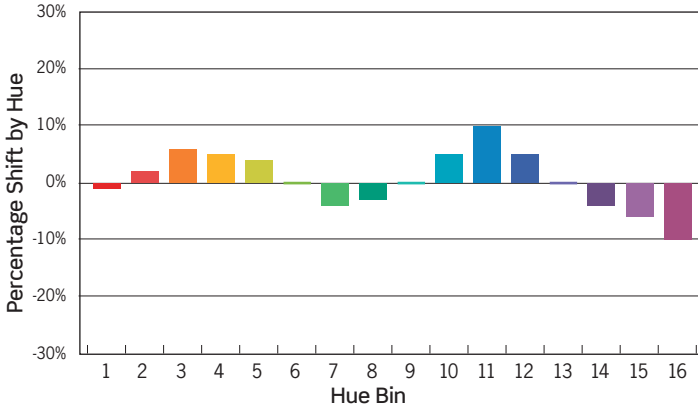
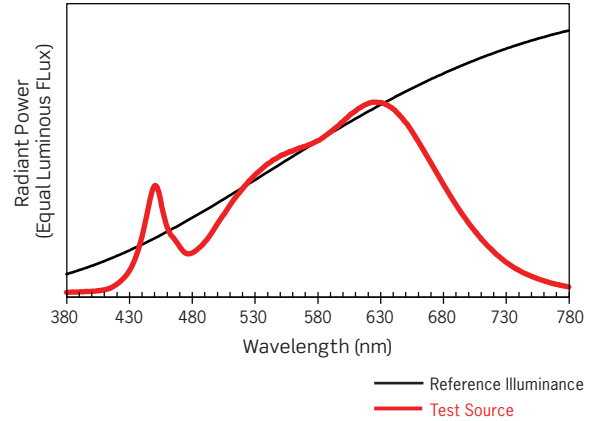
$R_f$	91
$R_g$	101
CCT(K)	3145K
$D_{uv}$	0.0010
$u^I$	0.2453
$v^I$	0.5198

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%	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

DATE

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TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

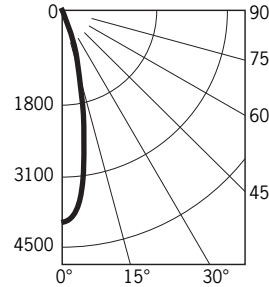
## CTL9051: 3000K MEDIUM

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: 96  
 Color Temperature (CCT)2: 3153K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103006  
 LM-79 Test No. S19103101

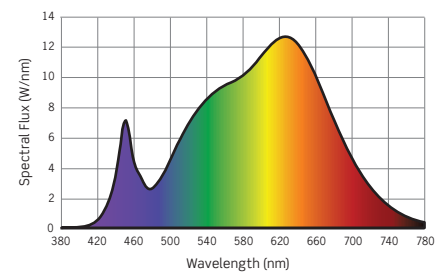
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



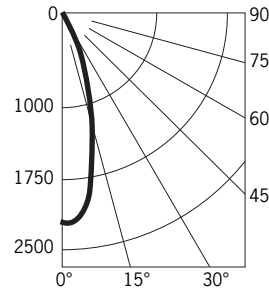
## CTL9051: 3000K FLOOD

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: 96  
 Color Temperature (CCT)2: 3153K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103004  
 LM-79 Test No. S19103101

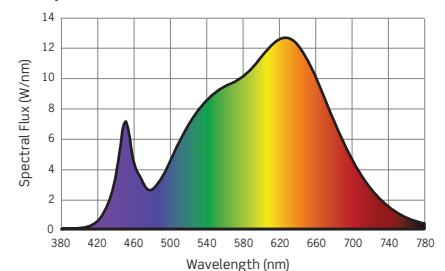
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



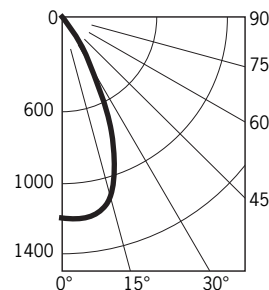
## CTL9051: 3000K WIDE FLOOD

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: 96  
 Color Temperature (CCT)2: 3153K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103005  
 LM-79 Test No. S19103101

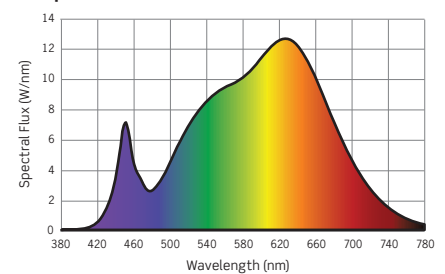
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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; 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

## DIMMING SPECIFICATIONS

Compatible with most Triac (Incandescent) Dimmers

### TRIAC (INCANDESCENT) DIMMERS

- Leviton Illumatech
- Leviton SureSlide
- Lutron Diva
- Lutron Skylark
- Lutron Toggler

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

## CTL9052: 3000K MEDIUM

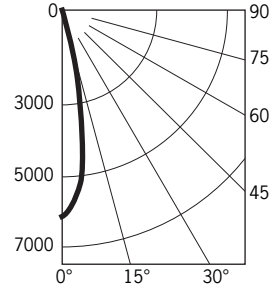
Fixture Delivered Lumens: 1350.6  
 Total Watts@120V: 13.7  
 Lumens Per Watt: 98.6  
 Center Beam Candle Power: 6073  
 Beam Distribution: 23°  
 Spacing Criterion: 0.39  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3123K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103103  
 LM-79 Test No. S21012802

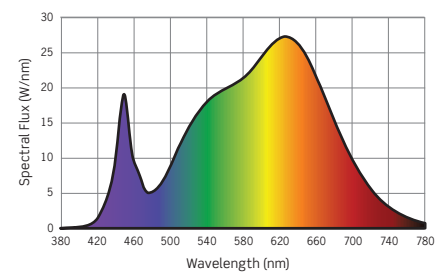
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



## CTL9052: 3000K FLOOD

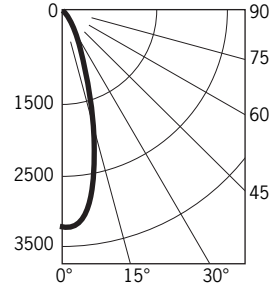
Fixture Delivered Lumens: 1323.7  
 Total Watts@120V: 13.7  
 Lumens Per Watt: 96.6  
 Center Beam Candle Power: 3194  
 Beam Distribution: 33°  
 Spacing Criterion: 0.56  
 Color Rendering Index (CRI)2: 92  
 Color Temperature (CCT)3: 3123K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103101  
 LM-79 Test No. S21012802

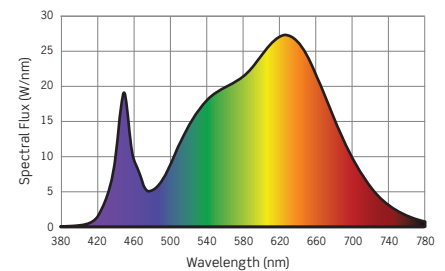
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



## CTL9052: 3000K WIDE FLOOD

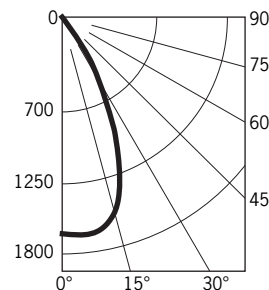
Fixture Delivered Lumens: 1344.7  
 Total Watts@120V: 13.7  
 Lumens Per Watt: 98.2  
 Center Beam Candle Power: 1638  
 Beam Distribution: 53°  
 Spacing Criterion: 0.80  
 Color Rendering Index (CRI)2: 92  
 Color Temperature (CCT)3: 3123K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103102  
 LM-79 Test No. S21012802

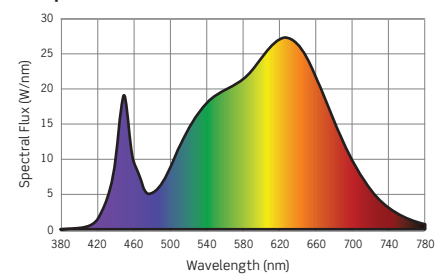
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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; 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

## DIMMING SPECIFICATIONS

Compatible with most TRIAC (Incandescent) Dimmers

### TRIAC (INCANDESCENT) DIMMERS

Leviton Illumatech  
 Leviton SureSlide  
 Lutron Diva  
 Lutron Skylark  
 Lutron Toggler

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

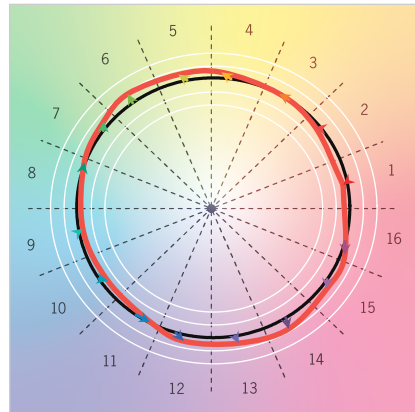
## TM-30 DATA: CTL9051/CTL9052: 3000K FLOOD

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

Colors are for visual orientation purposes only

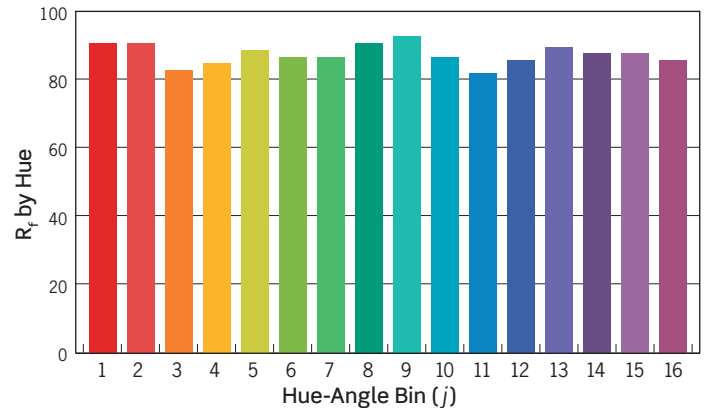
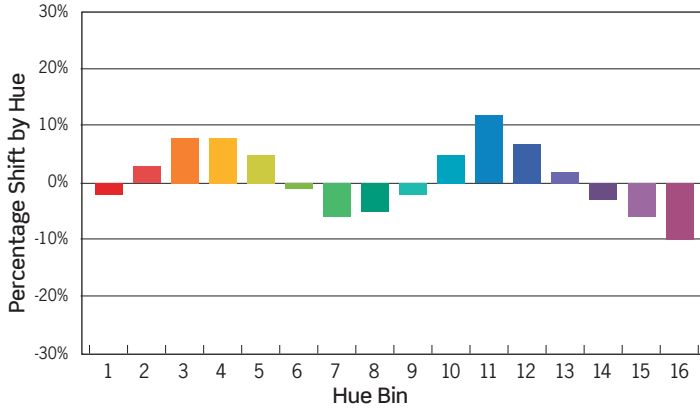
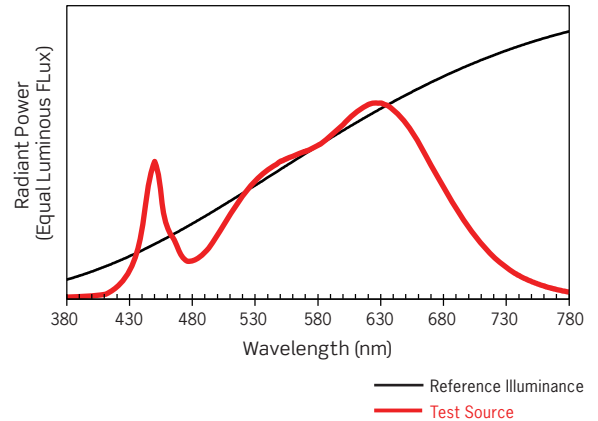
$R_f$	89
$R_g$	104
CCT(K)	3123K
$D_{uv}$	-0.0034
$u^I$	0.2478
$v^I$	0.5141

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	-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



DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

## CTL9053: 3000K MEDIUM

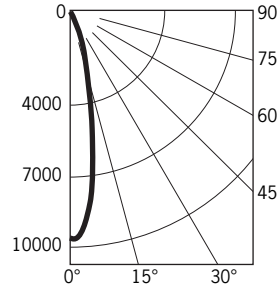
Fixture Delivered Lumens: 1950.4  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 99.5  
 Center Beam Candle Power: 9771  
 Beam Distribution: 21°  
 Spacing Criterion: 0.40  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103106  
 LM-79 Test No. S21012803

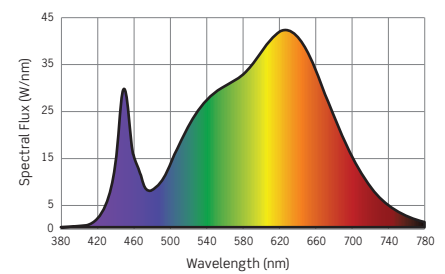
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



## CTL9053: 3000K FLOOD

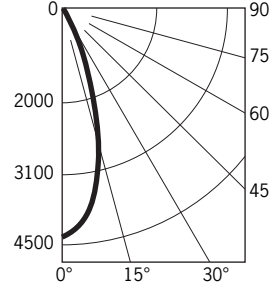
Fixture Delivered Lumens: 1961.7  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 100.1  
 Center Beam Candle Power: 4345  
 Beam Distribution: 37°  
 Spacing Criterion: 0.60  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103104  
 LM-79 Test No. S21012803

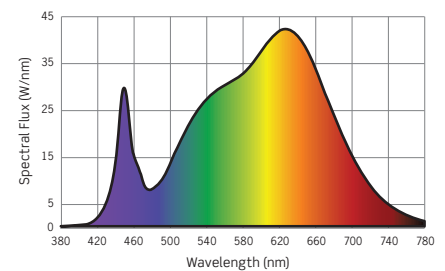
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



## CTL9053: 3000K WIDE FLOOD

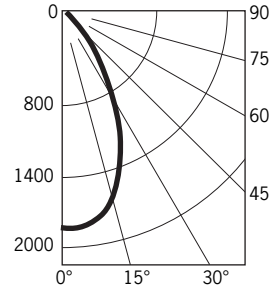
Fixture Delivered Lumens: 1762.9  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 89.9  
 Center Beam Candle Power: 1849  
 Beam Distribution: 57°  
 Spacing Criterion: 0.86  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G19103105  
 LM-79 Test No. S21012803

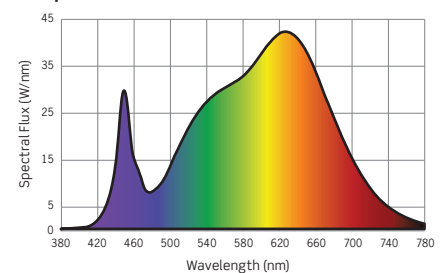
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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; 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

## DIMMING SPECIFICATIONS

Compatible with most TRIAC (Incandescent) Dimmers

### TRIAC (INCANDESCENT) DIMMERS

Leviton Illumatech  
 Leviton SureSlide  
 Lutron Diva  
 Lutron Skylark  
 Lutron Toggler

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

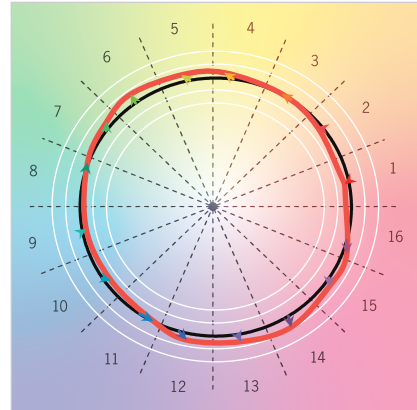
## TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

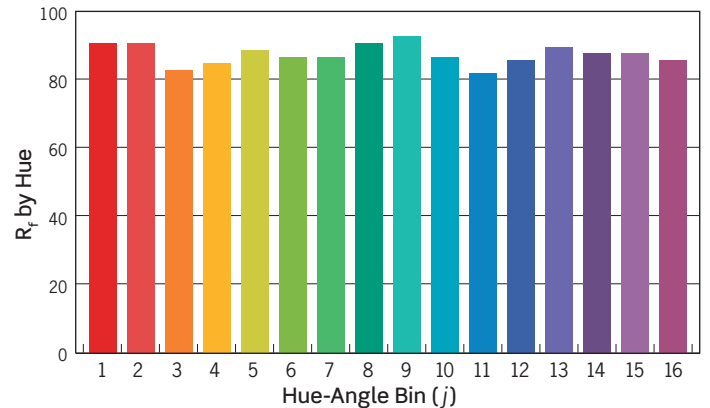
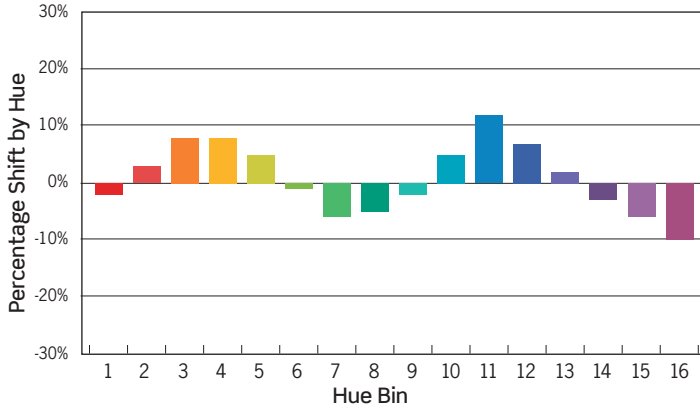
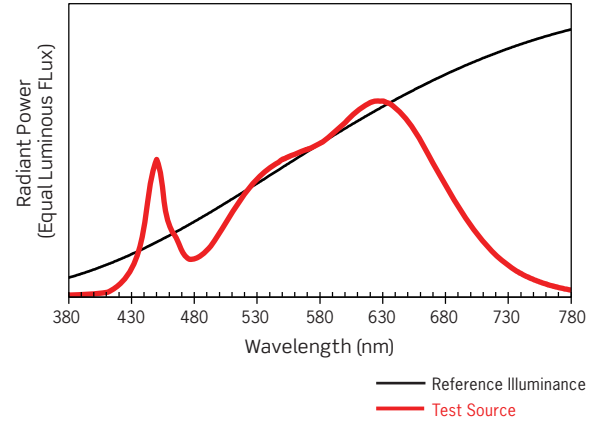
$R_f$	89
$R_g$	104
CCT(K)	3096K
$D_{uv}$	-0.0039
$u^l$	0.2488
$v^l$	0.5140

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	-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

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

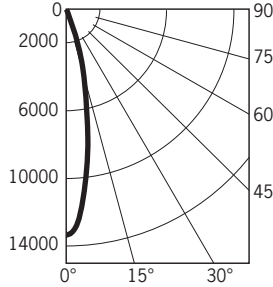
## CTL9059: 3000K MEDIUM

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 Life<sup>3</sup>  
 LM-63 Test No. G21083003  
 LM-79 Test No. S21081906

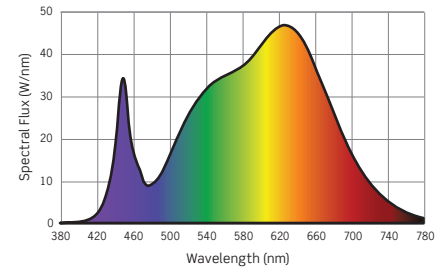
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



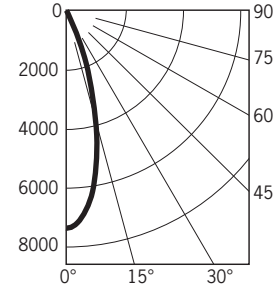
## CTL9059: 3000K FLOOD

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 Life<sup>3</sup>  
 LM-63 Test No. G21083002  
 LM-79 Test No. S21081906

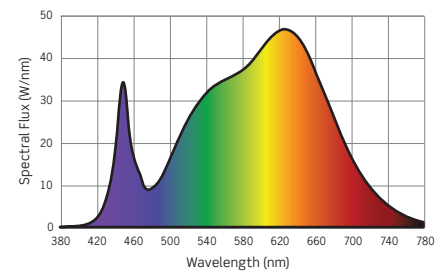
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



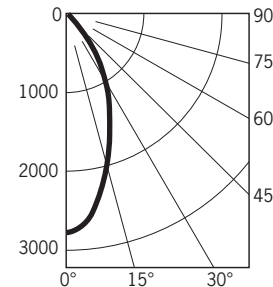
## CTL9059: 3000K WIDE FLOOD

Fixture Delivered Lumens: 2311.1  
 Total Watts@120V: 28.9  
 Lumens Per Watt: 80.0  
 Center Beam Candle Power: 2783  
 Beam Distribution: 47.2°  
 Spacing Criterion: 0.80  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3179K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21083001  
 LM-79 Test No. S21081906

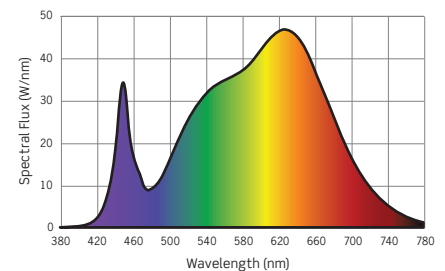
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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; 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

## DIMMING SPECIFICATIONS

Compatible with most TRIAC (Incandescent) Dimmers

### TRIAC (INCANDESCENT) DIMMERS

Leviton Illumatech  
 Leviton SureSlide  
 Lutron Diva  
 Lutron Skylark  
 Lutron Toggler

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

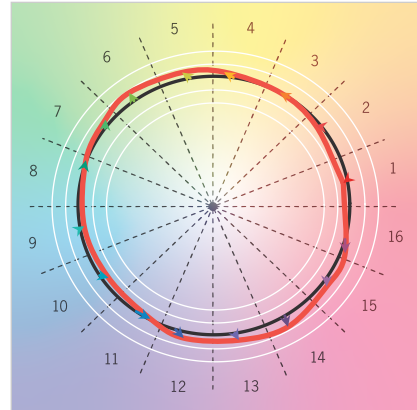
## TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

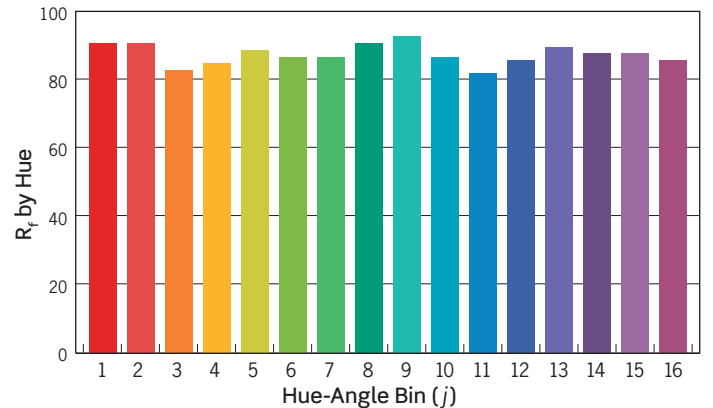
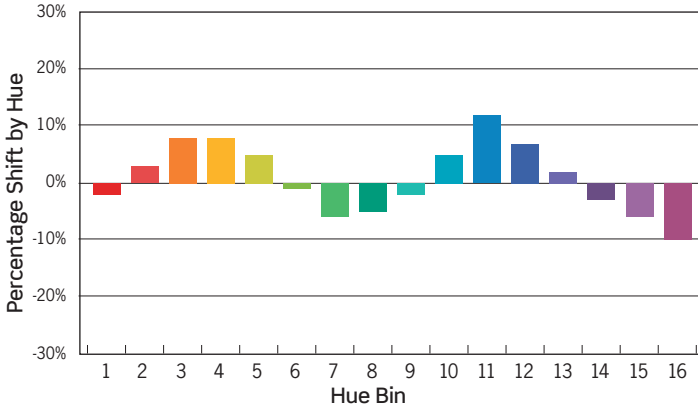
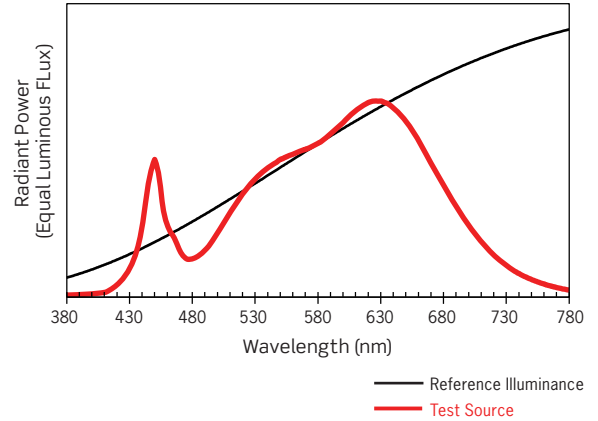
$R_f$	89
$R_g$	104
CCT(K)	3179K
$D_{uv}$	-0.0029
$u^l$	0.2458
$v^l$	0.5137

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	-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

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

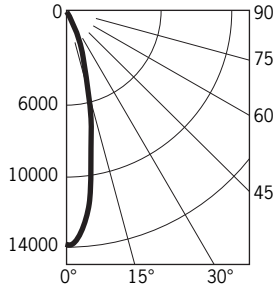
## CTL9054: 3000K MEDIUM

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 Life<sup>3</sup>  
 LM-63 Test No. G19110102  
 LM-79 Test No. S21012804

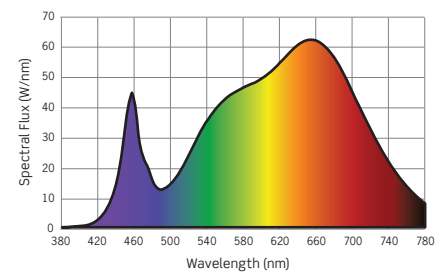
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



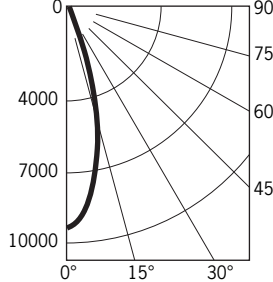
## CTL9054: 3000K FLOOD

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 Life<sup>3</sup>  
 LM-63 Test No. G19103107  
 LM-79 Test No. S21012804

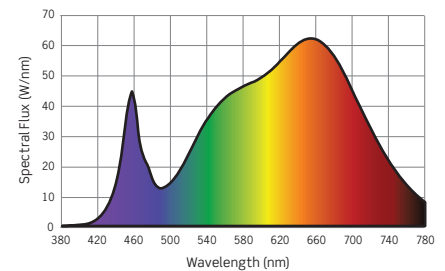
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



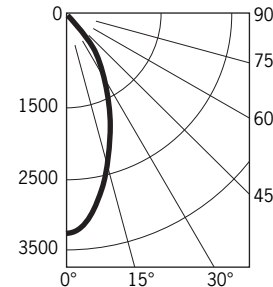
## CTL9054: 3000K WIDE FLOOD

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 Life<sup>3</sup>  
 LM-63 Test No. G19110101  
 LM-79 Test No. S21012804

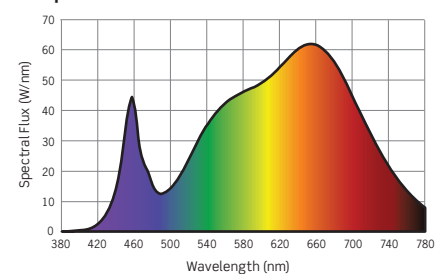
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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; 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

## DIMMING SPECIFICATIONS

Compatible with most TRIAC (Incandescent) Dimmers

### TRIAC (INCANDESCENT) DIMMERS

Leviton Illumatech  
 Leviton SureSlide  
 Lutron Diva  
 Lutron Skylark  
 Lutron Toggler

DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

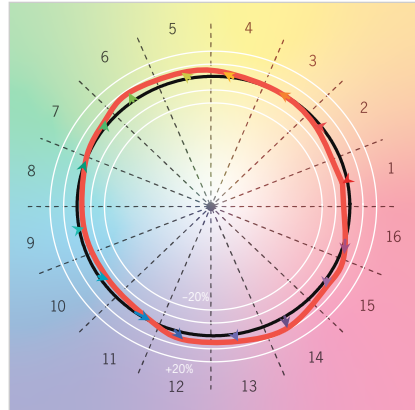
## TM-30 DATA: CTL9054: 3000K FLOOD

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

Colors are for visual orientation purposes only

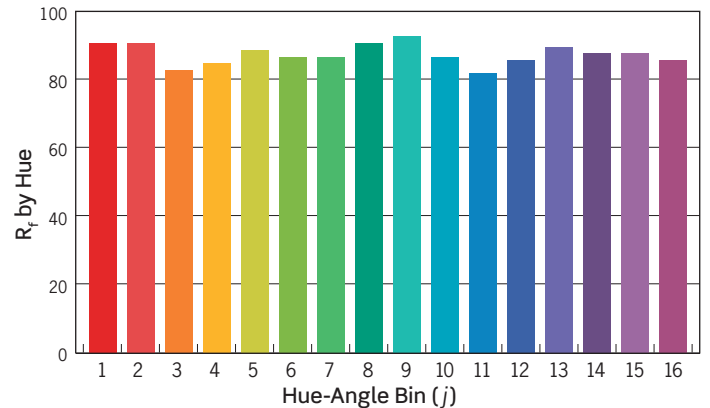
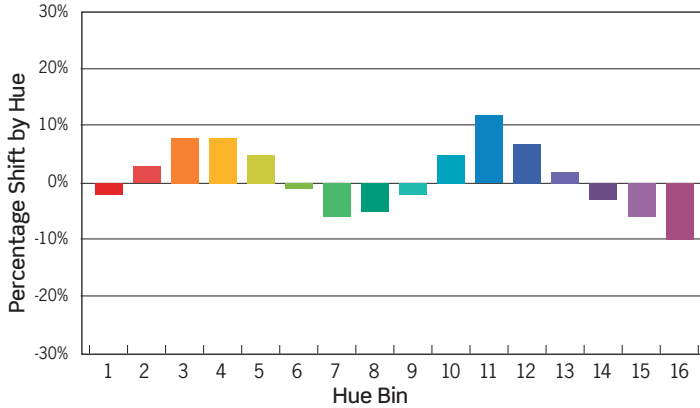
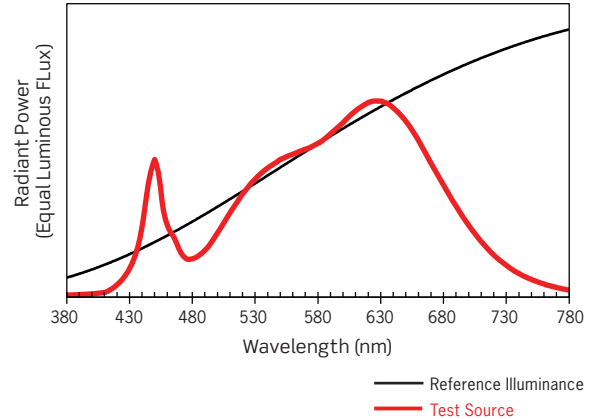
$R_f$	89
$R_g$	103
CCT(K)	3178K
$D_{uv}$	-0.0035
$u^l$	0.2461
$v^l$	0.5130

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	-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