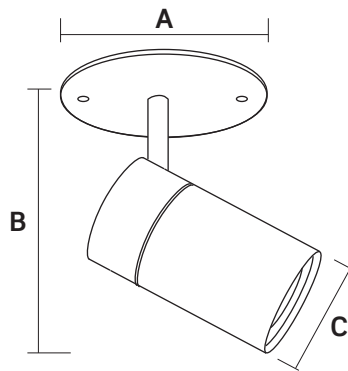


DATE


PROJECT

TYPE

# CTL905\*MP SERIES | Eclipse Curve Mono-Point Luminaires



|                | A      | B<br>Min to Max    | C        |
|----------------|--------|--------------------|----------|
| <b>CTL9050</b> | 4-3/4" | 3-11/32" to 5-1/8" | 2-3/8"   |
| <b>CTL9051</b> | 4-3/4" | 3-3/4" to 5-3/4"   | 2-3/4"   |
| <b>CTL9052</b> | 4-3/4" | 3-3/4" to 5-3/4"   | 2-3/4"   |
| <b>CTL9053</b> | 4-3/4" | 4-1/2" to 6-13/16" | 3-3/16"  |
| <b>CTL9059</b> | 4-3/4" | 5" to 7-7/8"       | 3-15/16" |
| <b>CTL9054</b> | 4-3/4" | 5" to 7-7/8"       | 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                  | Mono-Point (MP)   |                |                |                |                |                |
| LISTINGS                  |  cETLus Listed to UL and CSA Standards; Suitable for Dry Locations only<br>ENERGY STAR® Certified<br>Can be used to comply with the 2019 Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements<br>DLC® Listed<br>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\*MP SERIES | Eclipse Curve Mono-Point Luminaires

## ORDERING INFORMATION

Example Order:  -

| Luminaire                   | Mounting               | Beam                          | Color Temp/CRI     | Dimming Option     | Finish            |
|-----------------------------|------------------------|-------------------------------|--------------------|--------------------|-------------------|
| <b>CTL9050</b> - 7W/651Lm   | <b>MP</b> - Mono-Point | <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

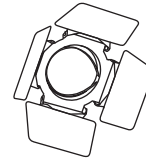
Black (B) or White (P) Finish;  
Includes Honeycomb Louver



- 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\*MP SERIES | Eclipse Curve Mono-Point 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 Mono-Point (MP) allows for precision aiming adjustment; 315° horizontal rotation and 90° vertical tilt



DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

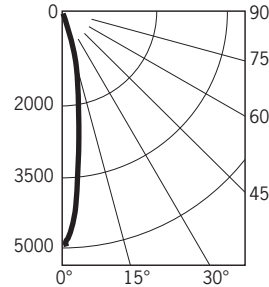
## CTL9050: 3000K SPOT

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

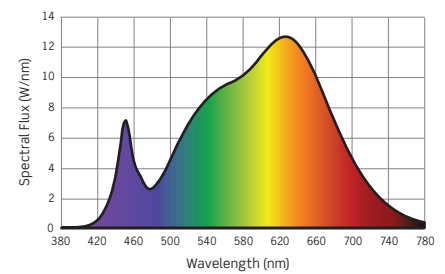
### Intensity Distribution

| 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>



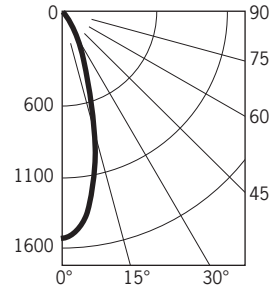
## CTL9050: 3000K FLOOD

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

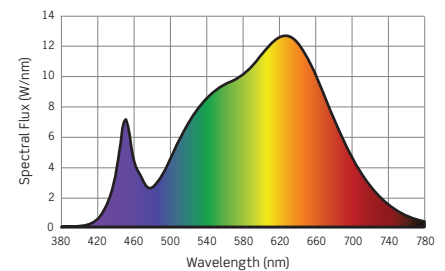
### Intensity Distribution

| 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>



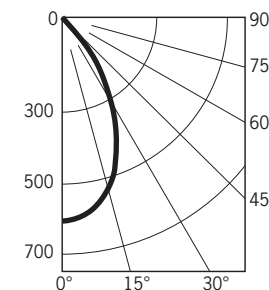
## CTL9050: 3000K WIDE FLOOD

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

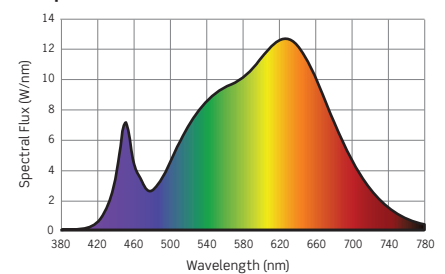
### Intensity Distribution

| 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

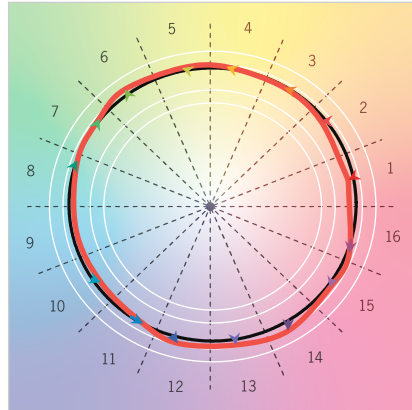
## TM-30 DATA: CTL9050: 3000K FLOOD

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

Colors are for visual orientation purposes only

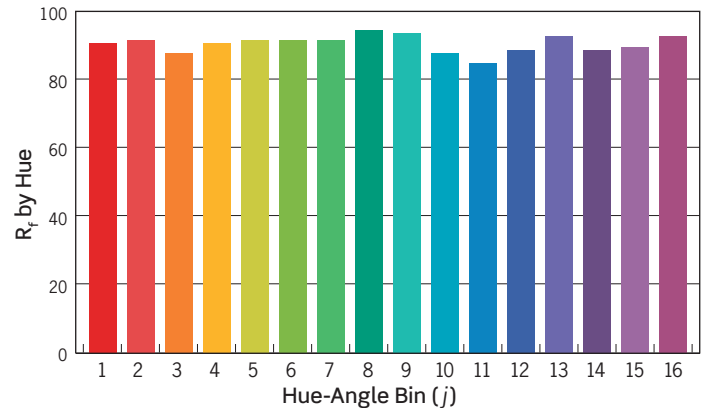
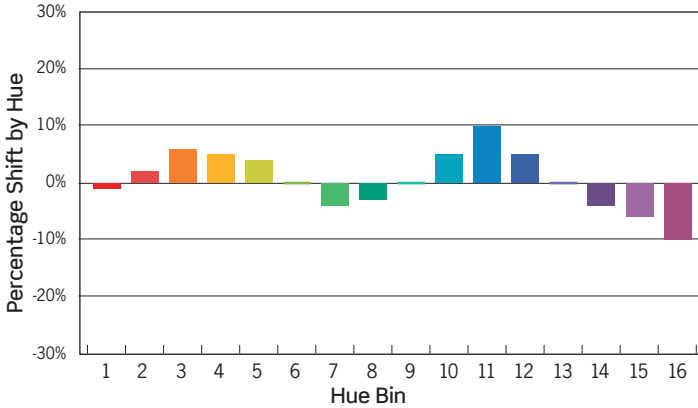
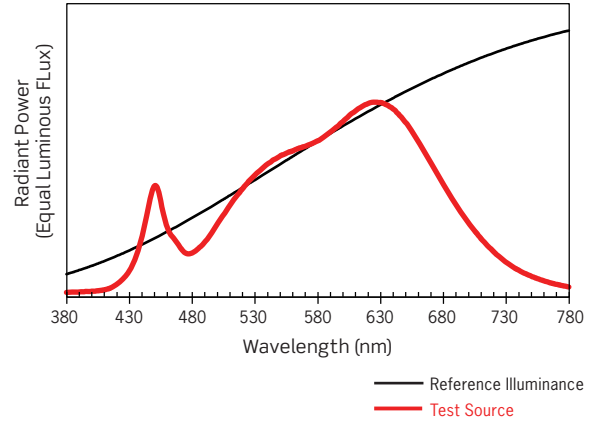
|          |        |
|----------|--------|
| $R_f$    | 91     |
| $R_g$    | 101    |
| CCT(K)   | 3145K  |
| $D_{uv}$ | 0.0010 |
| $u^I$    | 0.2453 |
| $v^I$    | 0.5198 |

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

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

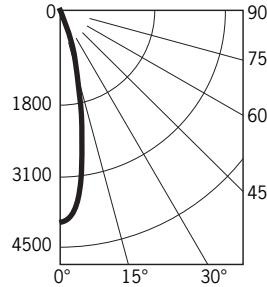
## CTL9051: 3000K MEDIUM

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

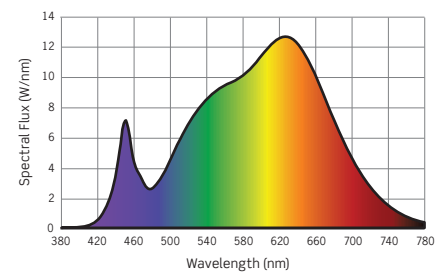
### Intensity Distribution

| 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>



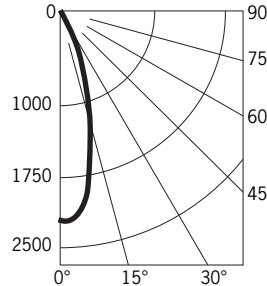
## CTL9051: 3000K FLOOD

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

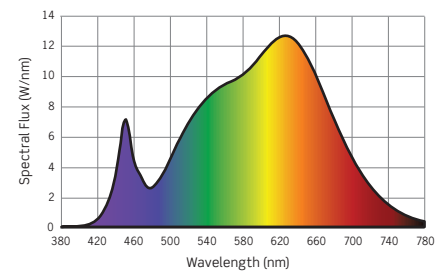
### Intensity Distribution

| 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>



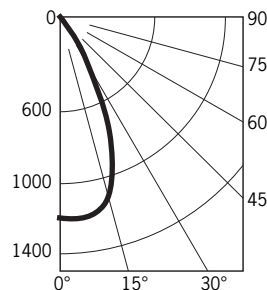
## CTL9051: 3000K WIDE FLOOD

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

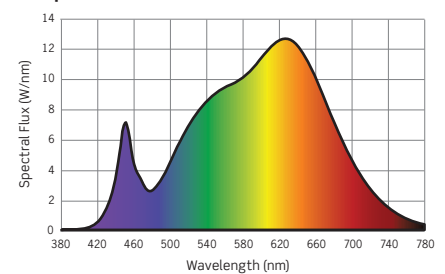
### Intensity Distribution

| 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

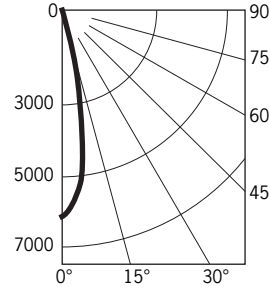
## CTL9052: 3000K MEDIUM

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

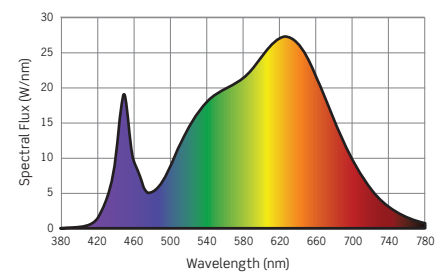
### Intensity Distribution

| 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>



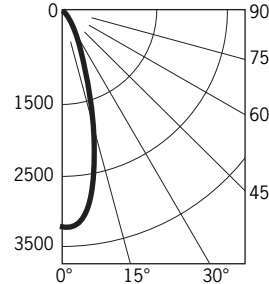
## CTL9052: 3000K FLOOD

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

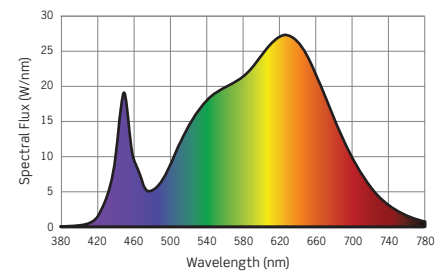
### Intensity Distribution

| 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>



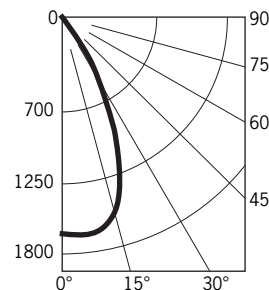
## CTL9052: 3000K WIDE FLOOD

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

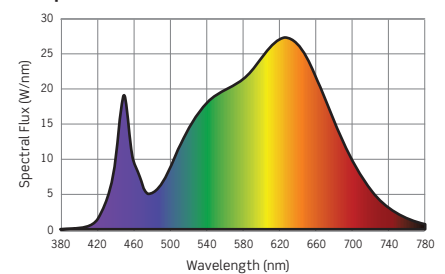
### Intensity Distribution

| 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

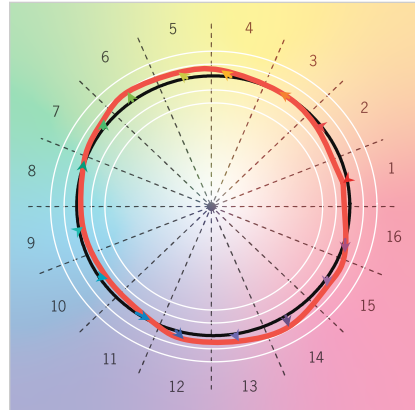
## TM-30 DATA: CTL9051/CTL9052: 3000K FLOOD

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

Colors are for visual orientation purposes only

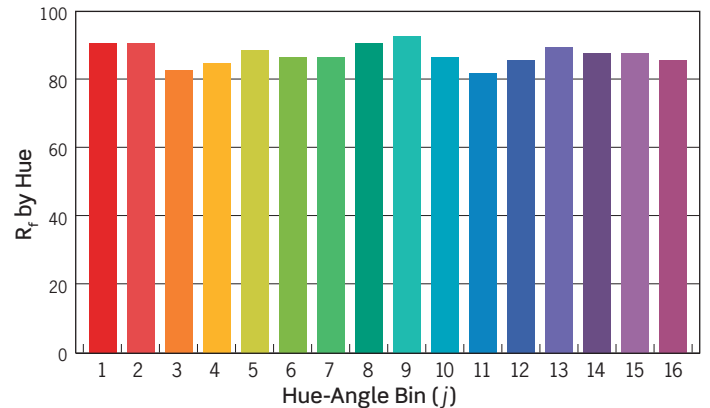
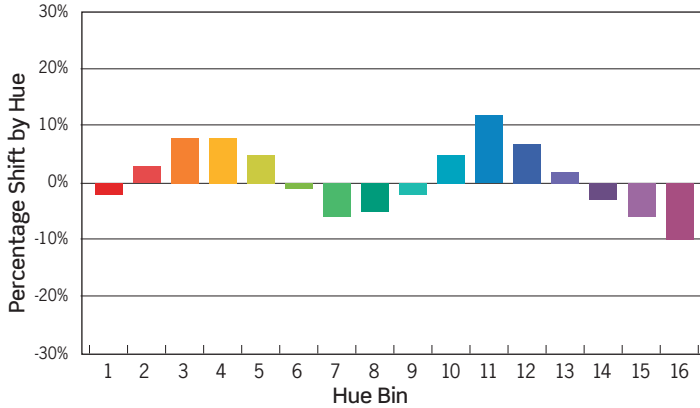
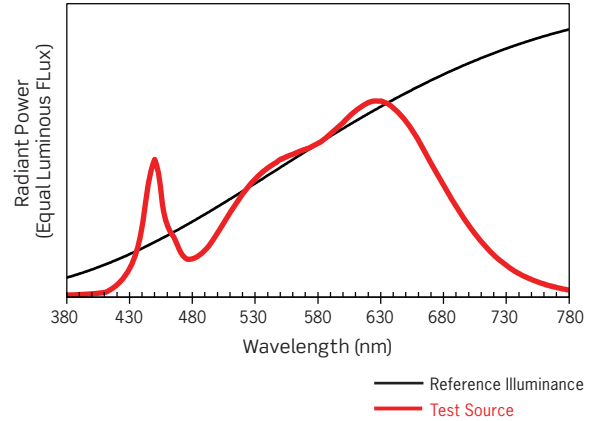
|          |         |
|----------|---------|
| $R_f$    | 89      |
| $R_g$    | 104     |
| CCT(K)   | 3123K   |
| $D_{uv}$ | -0.0034 |
| $u^I$    | 0.2478  |
| $v^I$    | 0.5141  |

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

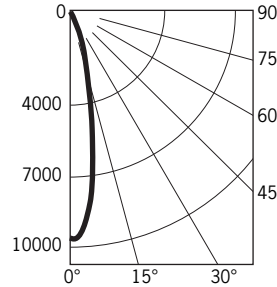
Fixture Delivered Lumens: 1950.4  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 99.5  
 Center Beam Candle Power: 9771  
 Beam Distribution: 21°  
 Spacing Criterion: 0.40  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

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

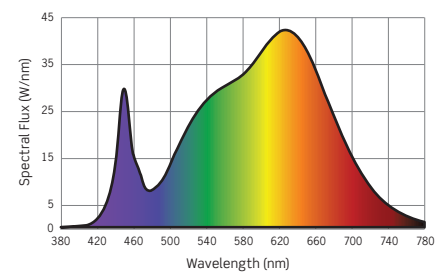
### Intensity Distribution

| 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

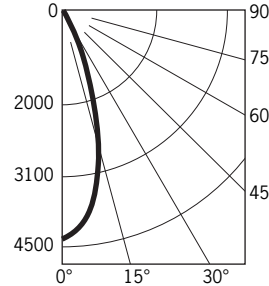
Fixture Delivered Lumens: 1961.7  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 100.1  
 Center Beam Candle Power: 4345  
 Beam Distribution: 37°  
 Spacing Criterion: 0.60  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

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

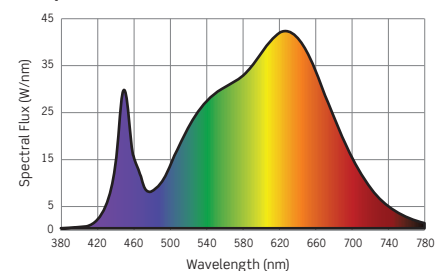
### Intensity Distribution

| 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

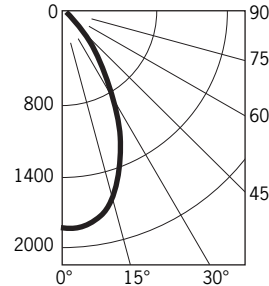
Fixture Delivered Lumens: 1762.9  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 89.9  
 Center Beam Candle Power: 1849  
 Beam Distribution: 57°  
 Spacing Criterion: 0.86  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

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

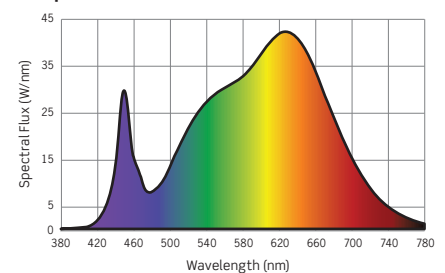
### Intensity Distribution

| 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

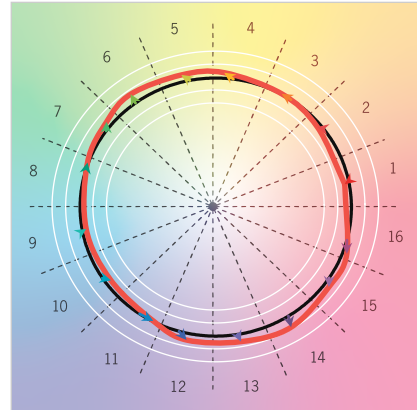
## TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

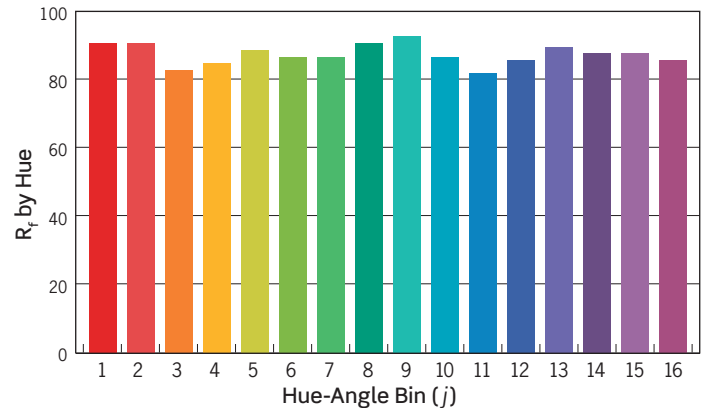
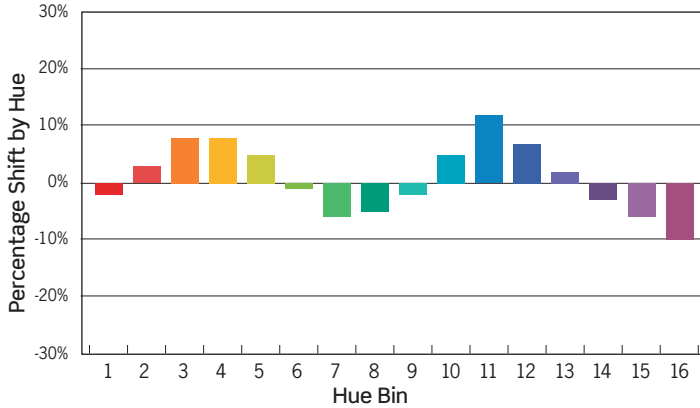
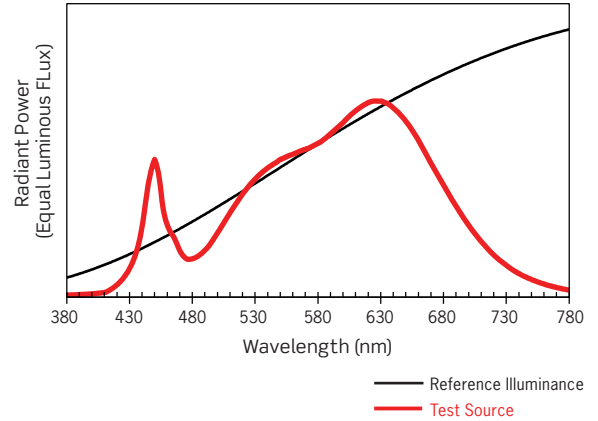
|          |         |
|----------|---------|
| $R_f$    | 89      |
| $R_g$    | 104     |
| CCT(K)   | 3096K   |
| $D_{uv}$ | -0.0039 |
| $u^l$    | 0.2488  |
| $v^l$    | 0.5140  |

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 <sub>f</sub> 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

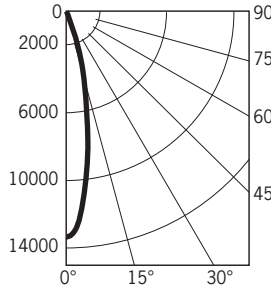
## CTL9059: 3000K MEDIUM

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

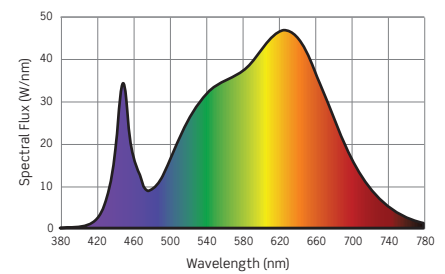
### Intensity Distribution

| 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>



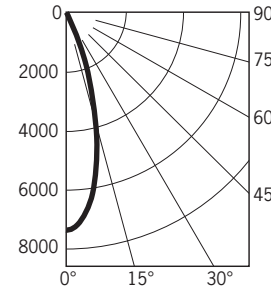
## CTL9059: 3000K FLOOD

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

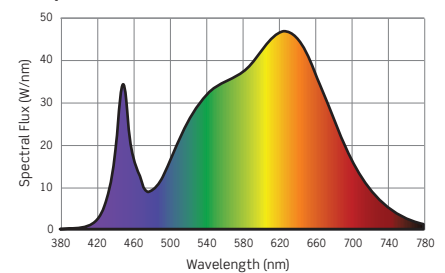
### Intensity Distribution

| 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>



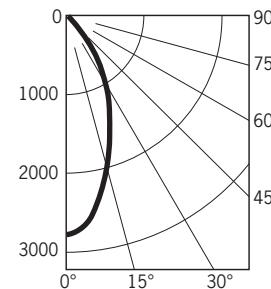
## CTL9059: 3000K WIDE FLOOD

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

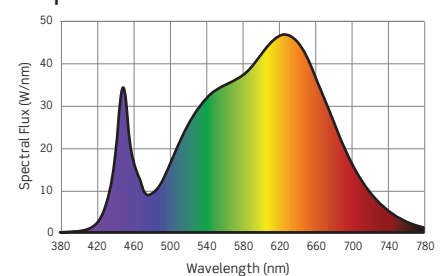
### Intensity Distribution

| 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

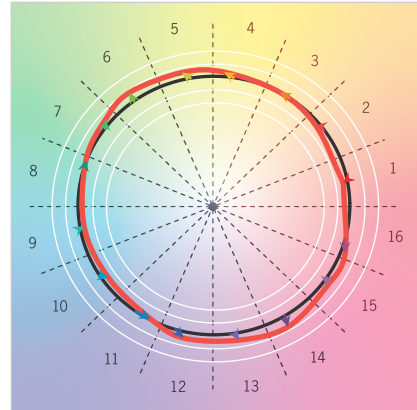
## TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

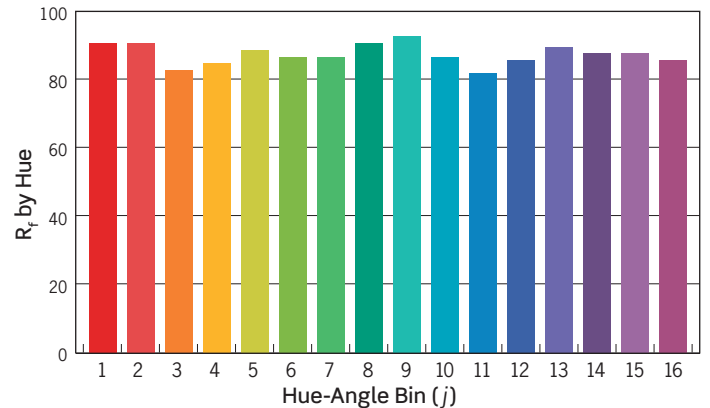
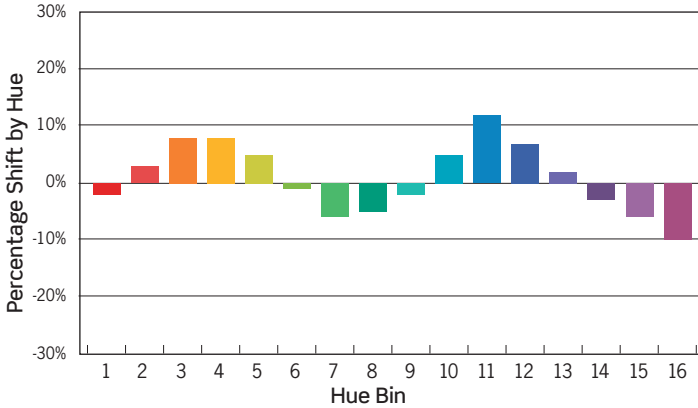
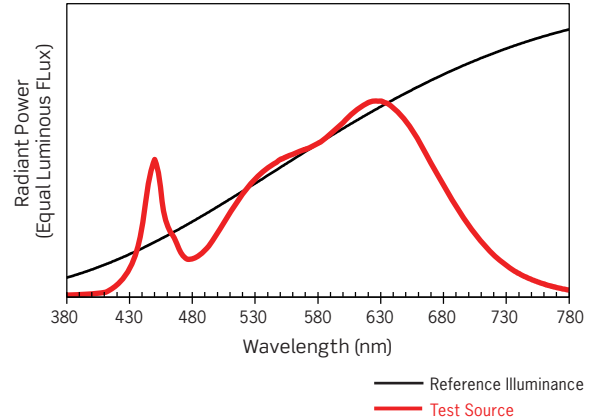
|          |         |
|----------|---------|
| $R_f$    | 89      |
| $R_g$    | 104     |
| CCT(K)   | 3179K   |
| $D_{uv}$ | -0.0029 |
| $u^l$    | 0.2458  |
| $v^l$    | 0.5137  |

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

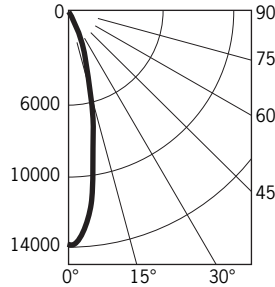
## CTL9054: 3000K MEDIUM

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

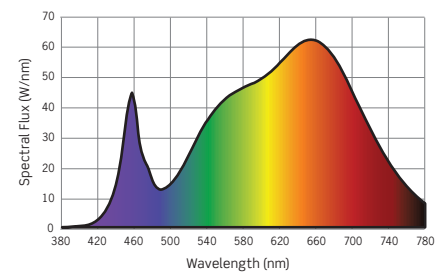
### Intensity Distribution

| 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>



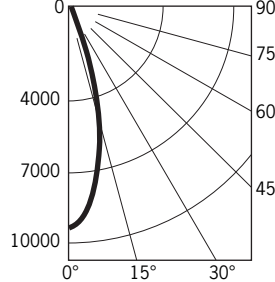
## CTL9054: 3000K FLOOD

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

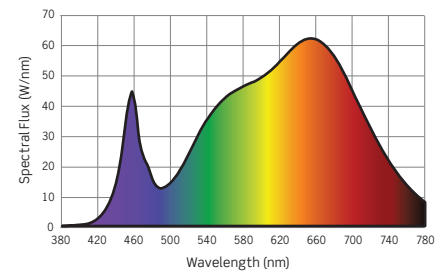
### Intensity Distribution

| 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>



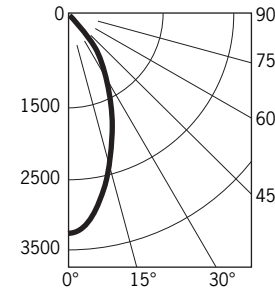
## CTL9054: 3000K WIDE FLOOD

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

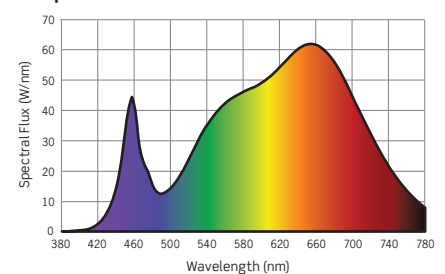
### Intensity Distribution

| 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

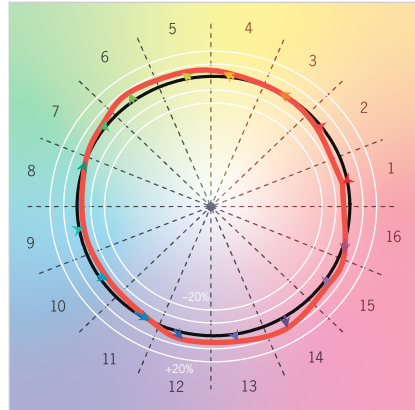
## TM-30 DATA: CTL9054: 3000K FLOOD

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

Colors are for visual orientation purposes only

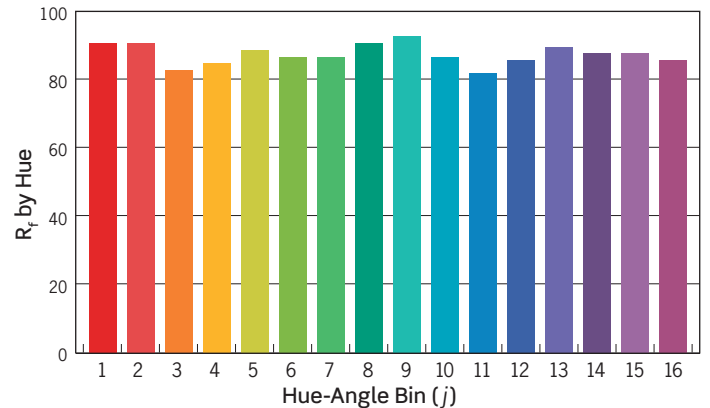
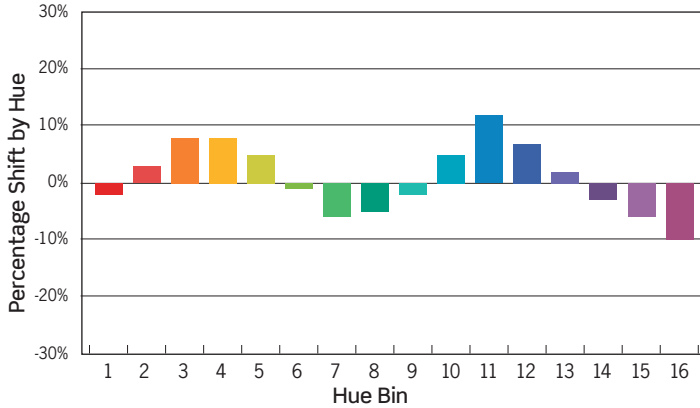
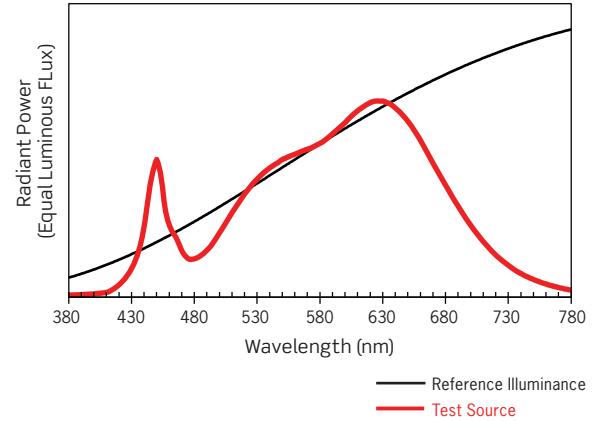
|          |         |
|----------|---------|
| $R_f$    | 89      |
| $R_g$    | 103     |
| CCT(K)   | 3178K   |
| $D_{uv}$ | -0.0035 |
| $u^l$    | 0.2461  |
| $v^l$    | 0.5130  |

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   |