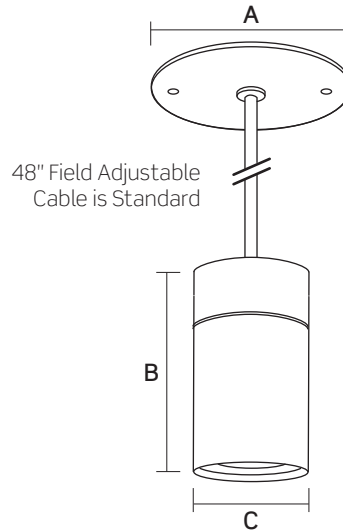


DATE


PROJECT

TYPE

# CTL905\*FC SERIES | Eclipse Curve Flex Cable Mono-Point Pendant 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					
MOUNTING	Flex Cable (FC), Track Adapter Accessory available					
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\*FC SERIES | Eclipse Curve Flex Cable Mono-Point Pendant Luminaires

## ORDERING INFORMATION

Example Order:  -

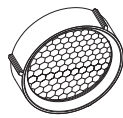
Luminaire	Mounting	Beam	Color Temp/CRI	Dimming Option	Finish
<b>CTL9050</b> - 7W/651Lm <b>CTL9051</b> - 9W/1021Lm <b>CTL9052</b> - 14W/1462Lm <b>CTL9053</b> - 20W/2123Lm <b>CTL9059</b> - 29W/2740Lm <b>CTL9054</b> - 34W/3441Lm	<b>FC</b> - 48-Inch Field Adjustable Flex Cable  <i>48-Inch Cable is standard; consult factory for pricing and lead time for longer cable drops up to 96-Inches/8 ft maximum</i>	<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	<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

## ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

### ACCESSORY HOLDERS

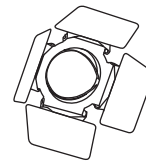
Black (B) or White (P) Finish; Includes Honeycomb Louver



- 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

### PENDANT TRACK ADAPTER

Wired in the field for ConTech Single- or Two-Circuit Track (LT/LT2 Series). Integral On/Off Switch and Track Polarity Indicator. Black (B), White (P) or Silver (S) Finish.



**LA-17A-(B,P,S)**

### 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\*FC SERIES | Eclipse Curve Flex Cable Mono-Point Pendant 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

- Flex Cable Mono-Point luminaire includes 48-inches (4 ft) of field adjustable cable for pendant suspension
- Consult factory for pricing and lead time for longer cable drops up to 96-inches (8 ft) maximum
- Black Eclipse Cylinder luminaire provided with black fabric cord, White luminaire provided with white fabric cord and Silver luminaire provided with gray fabric cord
- Optional Track Adapter accessory available (LA-17A). Wired in the field for ConTech Single- or Two-Circuit Track (LT/LT2). Integral On/Off Switch and Track Polarity Indicator.



DATE

PROJECT

TYPE

# CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

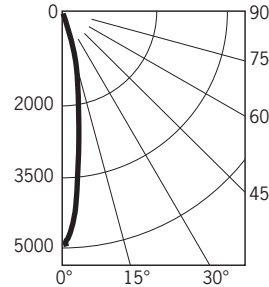
## CTL9050: 3000K SPOT

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

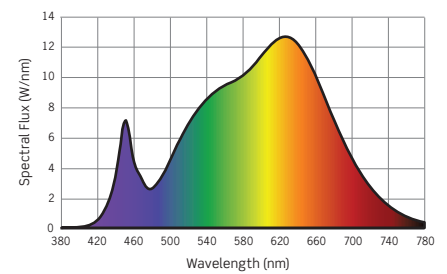
### Intensity Distribution

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>



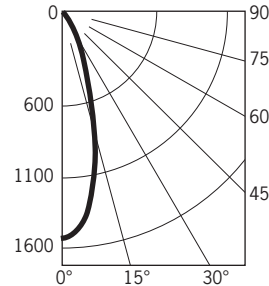
## CTL9050: 3000K FLOOD

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

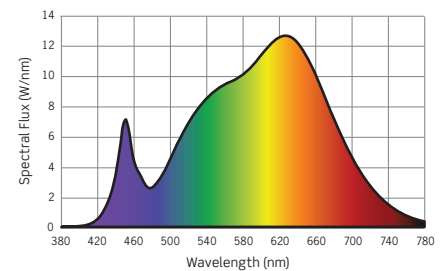
### Intensity Distribution

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>



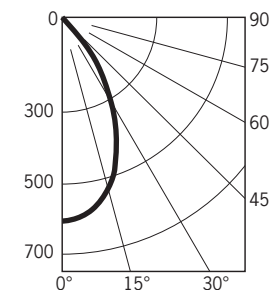
## CTL9050: 3000K WIDE FLOOD

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

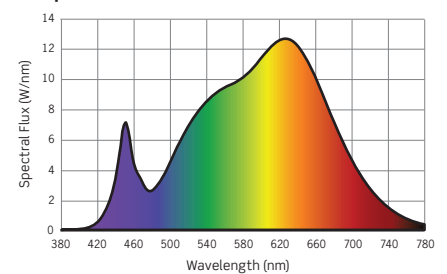
### Intensity Distribution

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

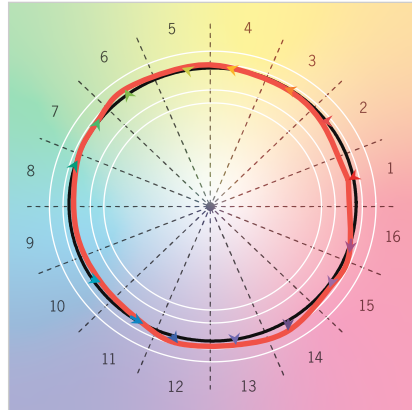
## TM-30 DATA: CTL9050: 3000K FLOOD

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

Colors are for visual orientation purposes only

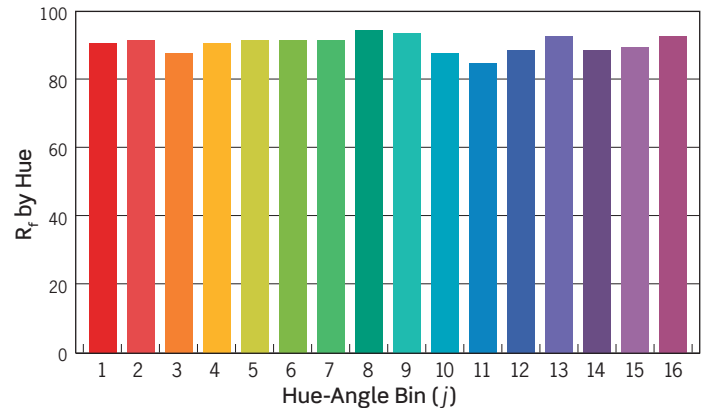
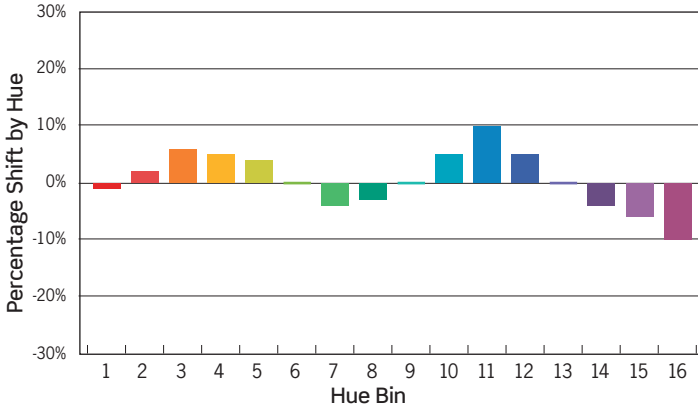
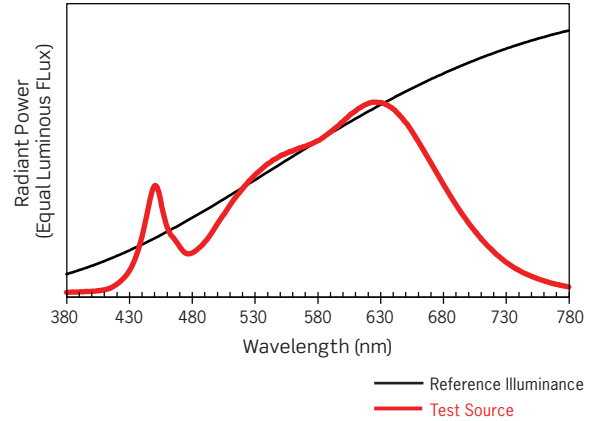
$R_f$	91
$R_g$	101
CCT(K)	3145K
$D_{uv}$	0.0010
$u^I$	0.2453
$v^I$	0.5198

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

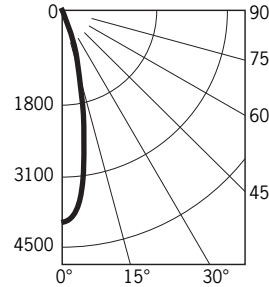
## CTL9051: 3000K MEDIUM

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

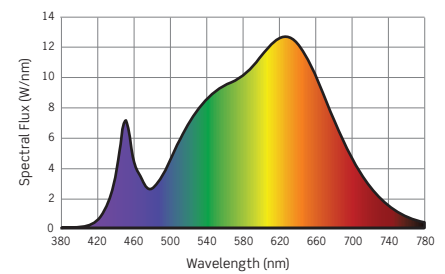
### Intensity Distribution

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>



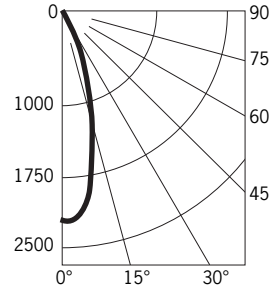
## CTL9051: 3000K FLOOD

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

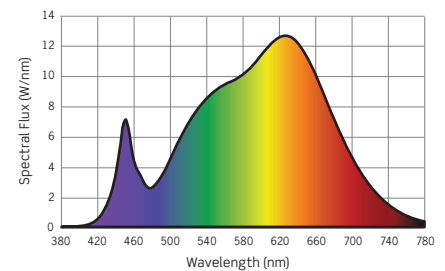
### Intensity Distribution

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>



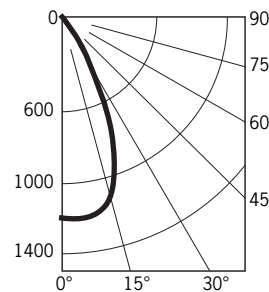
## CTL9051: 3000K WIDE FLOOD

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

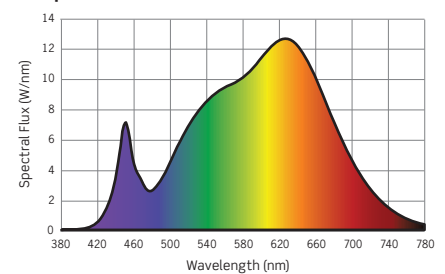
### Intensity Distribution

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

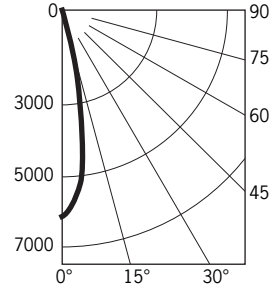
Fixture Delivered Lumens: 1350.6  
 Total Watts@120V: 13.7  
 Lumens Per Watt: 98.6  
 Center Beam Candle Power: 6073  
 Beam Distribution: 23°  
 Spacing Criterion: 0.39  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3123K

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

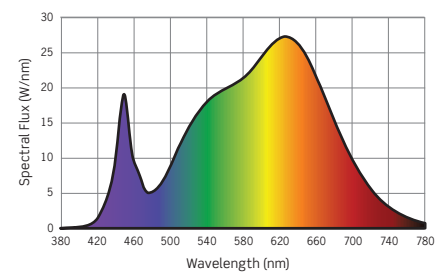
### Intensity Distribution

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

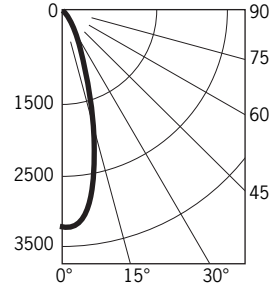
Fixture Delivered Lumens: 1323.7  
 Total Watts@120V: 13.7  
 Lumens Per Watt: 96.6  
 Center Beam Candle Power: 3194  
 Beam Distribution: 33°  
 Spacing Criterion: 0.56  
 Color Rendering Index (CRI)2: 92  
 Color Temperature (CCT)3: 3123K

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

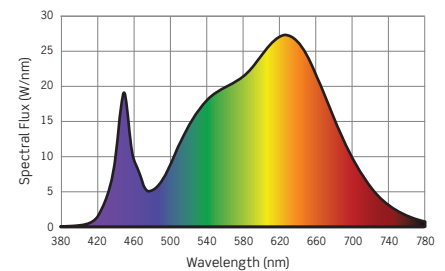
### Intensity Distribution

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

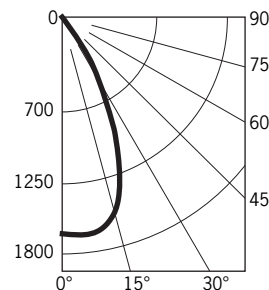
Fixture Delivered Lumens: 1344.7  
 Total Watts@120V: 13.7  
 Lumens Per Watt: 98.2  
 Center Beam Candle Power: 1638  
 Beam Distribution: 53°  
 Spacing Criterion: 0.80  
 Color Rendering Index (CRI)2: 92  
 Color Temperature (CCT)3: 3123K

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

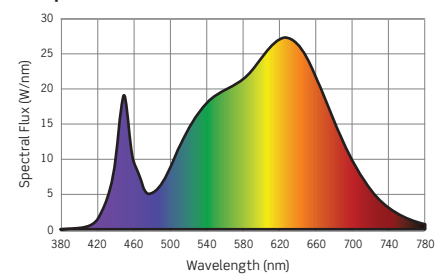
### Intensity Distribution

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

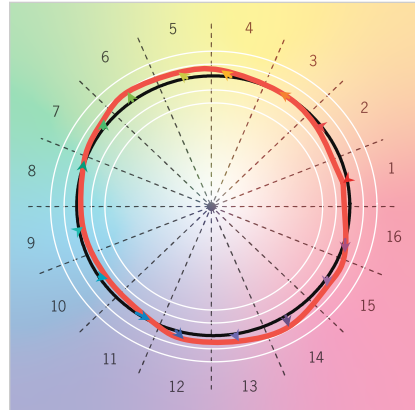
## TM-30 DATA: CTL9051/CTL9052: 3000K FLOOD

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

Colors are for visual orientation purposes only

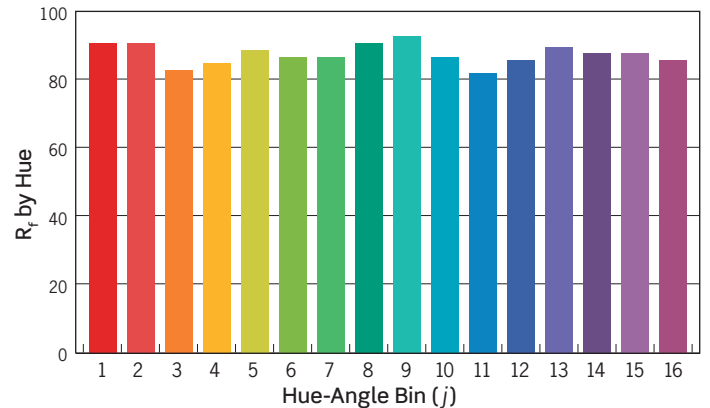
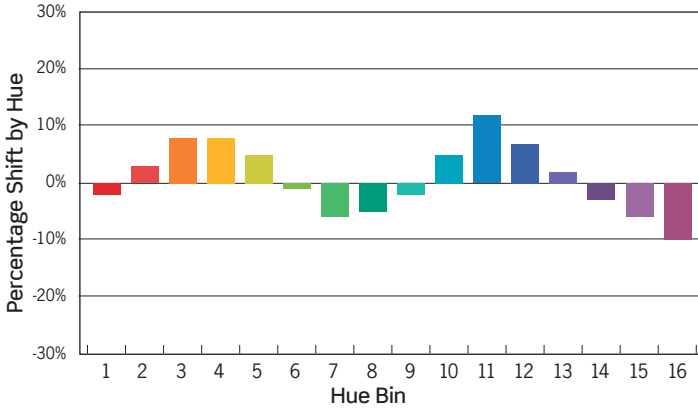
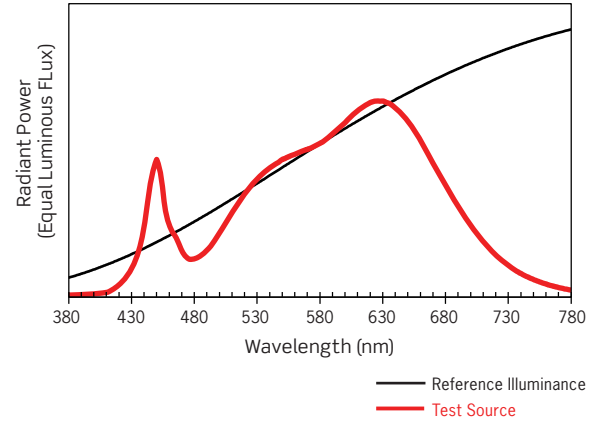
$R_f$	89
$R_g$	104
CCT(K)	3123K
$D_{uv}$	-0.0034
$u^I$	0.2478
$v^I$	0.5141

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

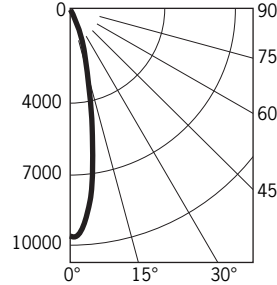
Fixture Delivered Lumens: 1950.4  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 99.5  
 Center Beam Candle Power: 9771  
 Beam Distribution: 21°  
 Spacing Criterion: 0.40  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

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

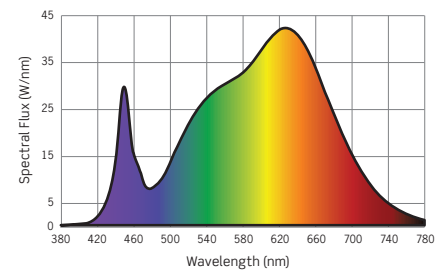
### Intensity Distribution

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

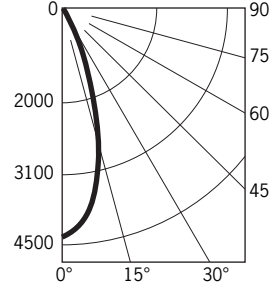
Fixture Delivered Lumens: 1961.7  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 100.1  
 Center Beam Candle Power: 4345  
 Beam Distribution: 37°  
 Spacing Criterion: 0.60  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

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

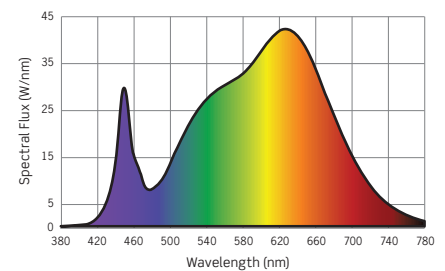
### Intensity Distribution

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

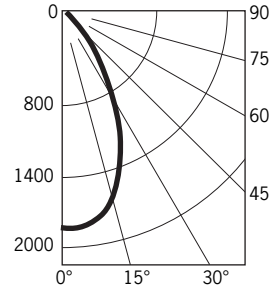
Fixture Delivered Lumens: 1762.9  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 89.9  
 Center Beam Candle Power: 1849  
 Beam Distribution: 57°  
 Spacing Criterion: 0.86  
 Color Rendering Index (CRI)1: 92  
 Color Temperature (CCT)2: 3096K

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

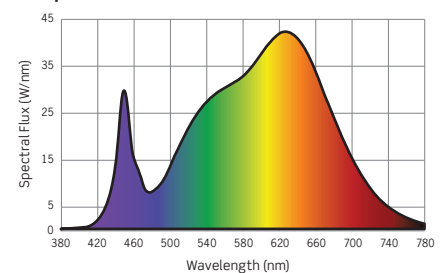
### Intensity Distribution

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

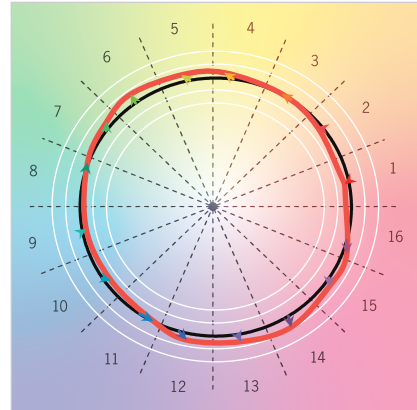
## TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

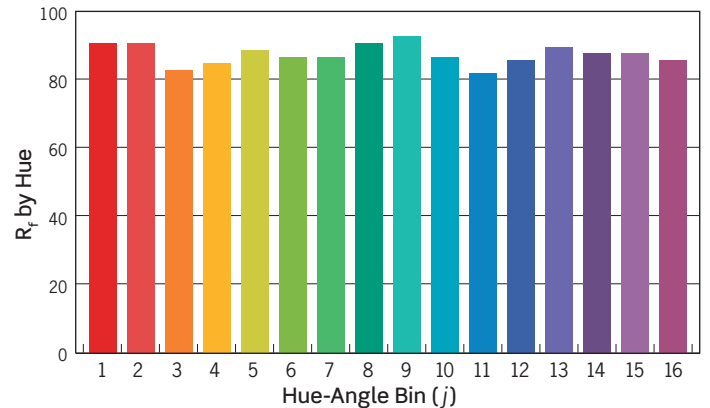
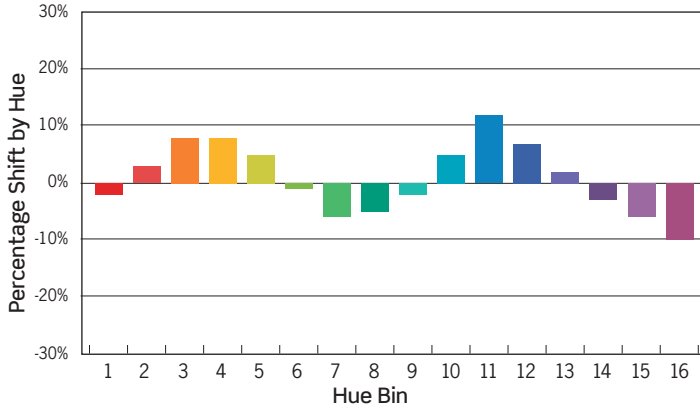
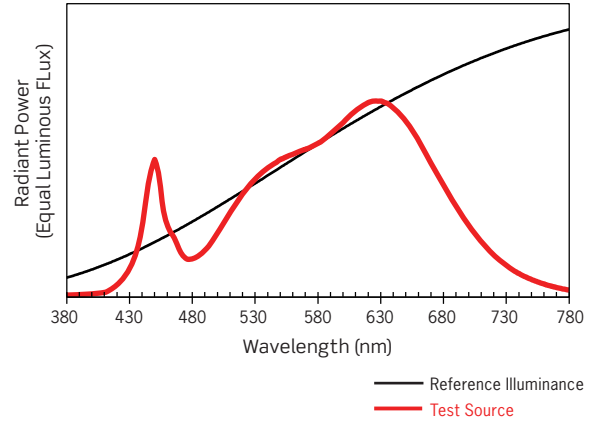
$R_f$	89
$R_g$	104
CCT(K)	3096K
$D_{uv}$	-0.0039
$u^l$	0.2488
$v^l$	0.5140

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

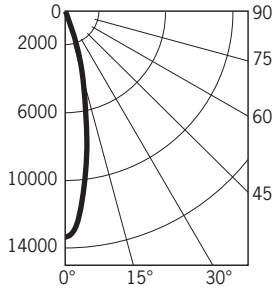
## CTL9059: 3000K MEDIUM

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

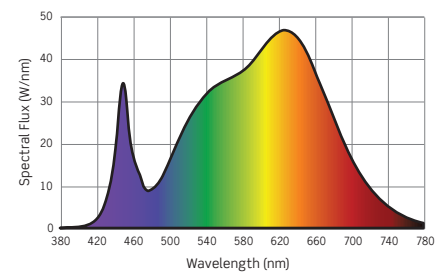
### Intensity Distribution

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>



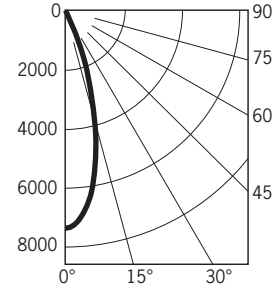
## CTL9059: 3000K FLOOD

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

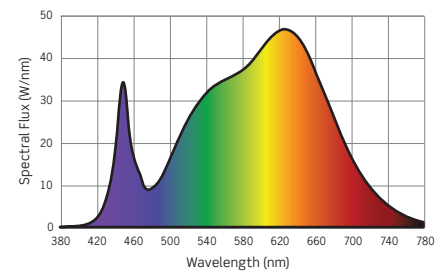
### Intensity Distribution

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>



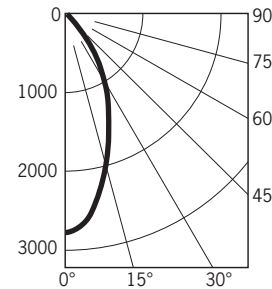
## CTL9059: 3000K WIDE FLOOD

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

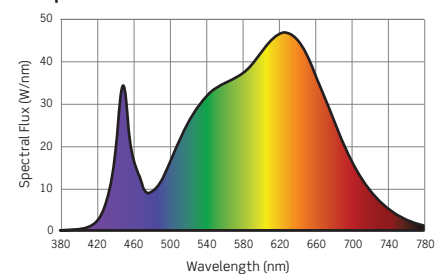
### Intensity Distribution

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

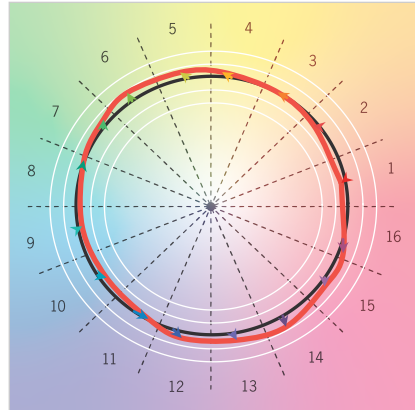
## TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

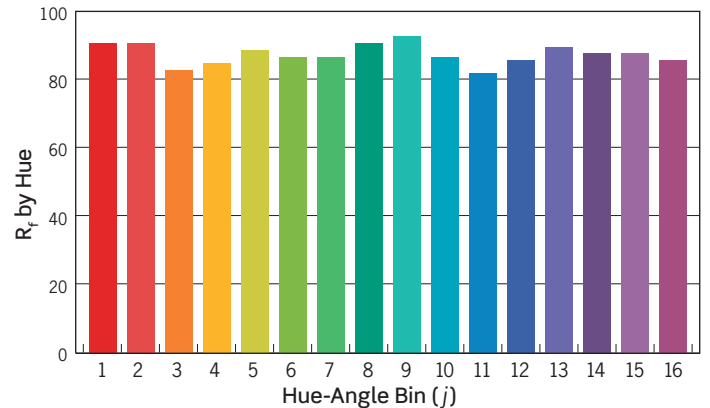
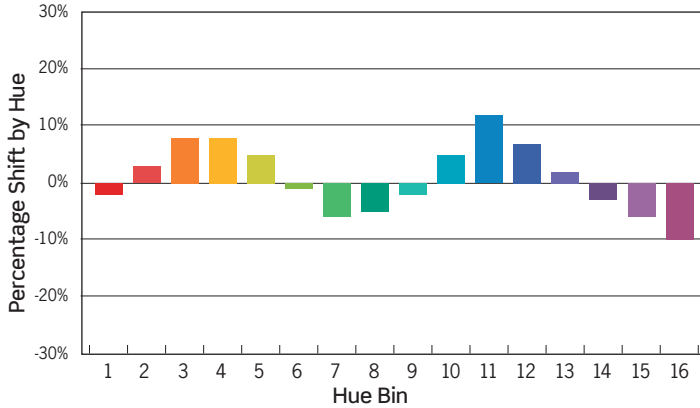
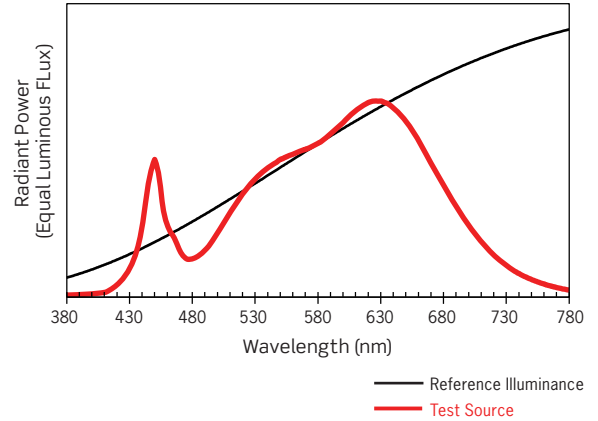
$R_f$	89
$R_g$	104
CCT(K)	3179K
$D_{uv}$	-0.0029
$u^I$	0.2458
$v^I$	0.5137

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

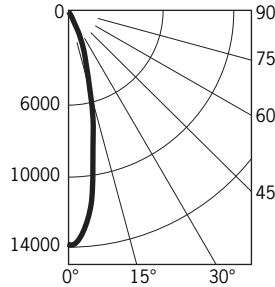
## CTL9054: 3000K MEDIUM

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

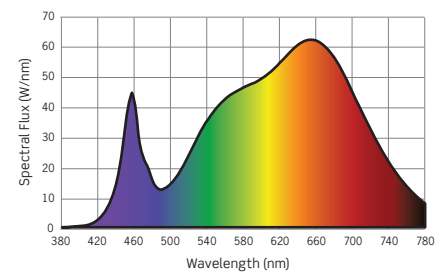
### Intensity Distribution

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>



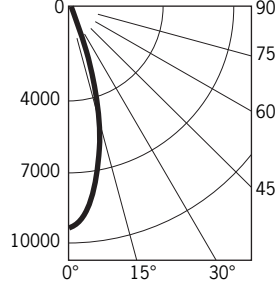
## CTL9054: 3000K FLOOD

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

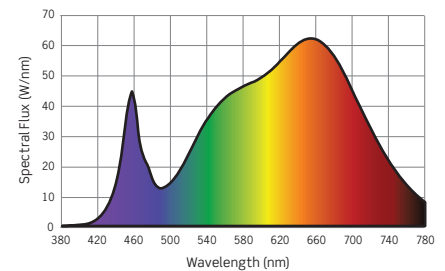
### Intensity Distribution

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>



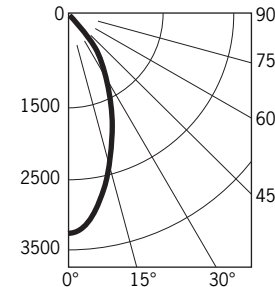
## CTL9054: 3000K WIDE FLOOD

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

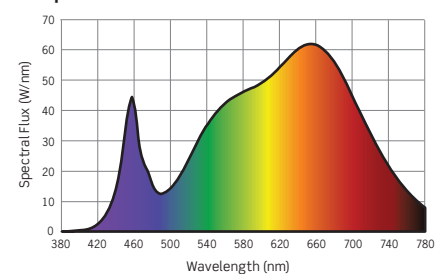
### Intensity Distribution

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

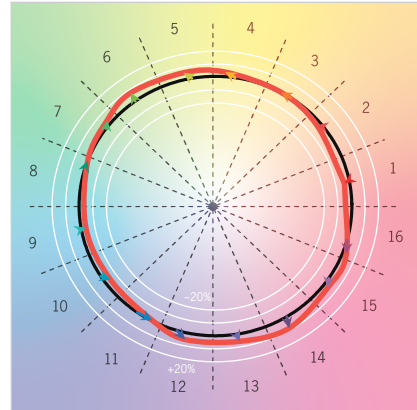
## TM-30 DATA: CTL9054: 3000K FLOOD

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

Colors are for visual orientation purposes only

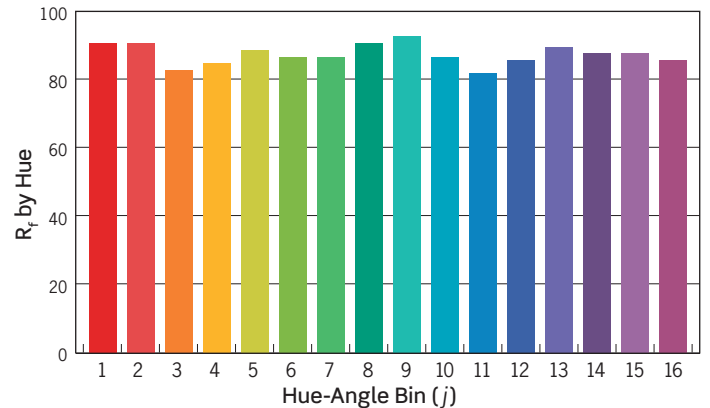
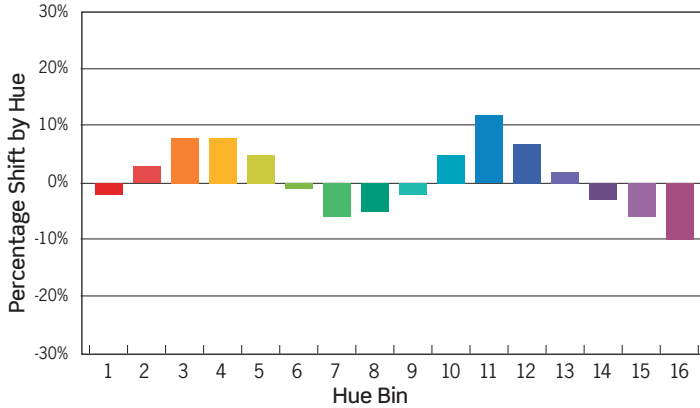
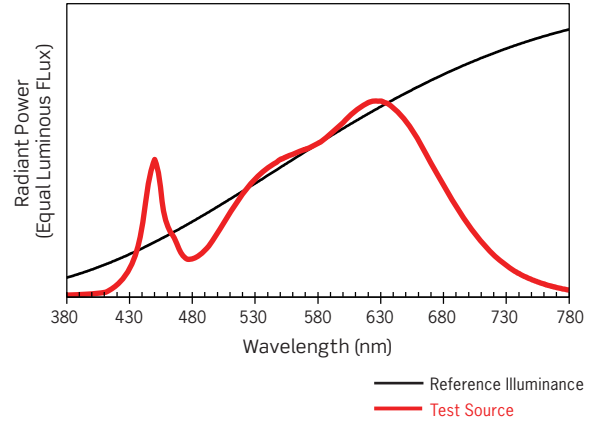
$R_f$	89
$R_g$	103
CCT(K)	3178K
$D_{uv}$	-0.0035
$u^l$	0.2461
$v^l$	0.5130

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