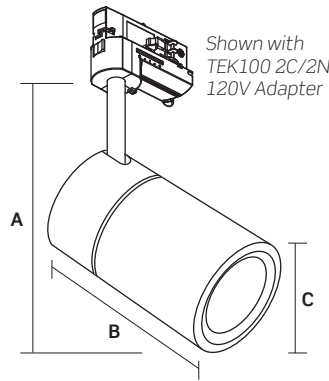


DATE


PROJECT

TYPE

NCTL905 SERIES | Eclipse Curve Track Luminaires for use with Select Nordic Track Systems



	A	B	C
NCTL9050	4-13/16"	4-3/4"	2-3/8"
NCTL9051	4-13/16"	5-1/4"	2-3/4"
NCTL9052	4-13/16"	5-1/4"	2-3/4"
NCTL9053	5-7/8"	6-1/8"	3-3/16"
NCTL9059	6-1/2"	6-7/8"	3-15/16"
NCTL9054	6-1/2"	6-7/8"	3-15/16"

	NCTL9050	NCTL9051	NCTL9052	NCTL9053	NCTL9059	NCTL9054
WATTAGE	7W	9W	14W	20W	29W	34W
LUMEN OUTPUT ¹	651Lm	1021Lm	1462Lm	2123Lm	2740Lm	3441Lm
BEAM OPTICS						
Spot ²	15°	N/A	N/A	N/A	N/A	N/A
Medium ³	N/A	23°	23°	21°	22°	24°
Flood	32°	33°	33°	37°	32°	33°
Wide Flood	58°	52°	52°	57°	47°	48°
COLOR TEMPERATURE	2700K, 3000K, 3500K, 4000K					
CRI	90+					
INPUT WATTAGE	7W	9W	14W	20W	29W	34W
INPUT VOLTAGE	120VAC Dimming, 60Hz					
DIMMING TYPE	Incandescent, Forward Phase					
COMPATIBILITY	Compatible with Nordic Aluminum Inc. Track Systems					
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
 Medium Beam NOT available for CTL9050 Series

DATE

PROJECT

TYPE

NCTL905 SERIES | Eclipse Curve Track Luminaires for use with Select Nordic Track Systems

ORDERING INFORMATION

Example Order: –

Luminaire	Beam	Color Temp/CRI	Dimming Option	Finish	Nordic Adapter
NCTL9050 - 7W/651Lm	S² - Spot	90+ CRI	D - Dimming	B - Black	Blank - 2C/2N 120V
NCTL9051 - 9W/1021Lm	M³ - Medium	27C - 2700K		P - White	1C - 1C/1N or 2C/1N
NCTL9052 - 14W/1462Lm	F - Flood	3C - 3000K		S - Silver	3C - 3C/1N
NCTL9053 - 20W/2123Lm	WF - Wide Flood	35C - 3500K			
NCTL9059 - 29W/2740Lm		4C - 4000K			
NCTL9054 - 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

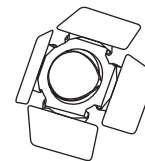
Black (B) or White (P) Finish;
Includes Honeycomb Louver



- 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

NCTL905 SERIES | Eclipse Curve Track Luminaires for use with Select Nordic Track Systems

PRODUCT DETAILS

Construction

- For use with select Nordic Aluminum Inc. Track Systems
- Constructed of extruded and machined aluminum
- Heatsink and Integrated Driver Housing for a sleek modern look
- Precision aiming adjustment: 315° aiming horizontal rotation, 90° vertical rotation
- Each molded TIR optic has been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Integral ON/OFF switch and track polarity indicator are standard

Performance Summary

- Light engine consists of a single, high lumen output multi-chip LED array
- 2700K, 3000K, 3500K and 4000K color temperatures; high CRI of 90+
- Excellent fixture-to-fixture color consistency within a 4-step MacAdam Ellipse tolerance
- Dimming is Forward Phase (Incandescent); available at 120V only; see photometric pages for list of compatible dimmers
- Beams are produced using molded TIR optics; each has been 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

Fixture Compatibility

- Compatible with Nordic Aluminum Inc. TEK100 Track Systems
- ConTech can switch out the standard Nordic TEK00 adapter with either the GES66 or GA100 adapters for compatibility with other Nordic Aluminum Inc. Track Systems. For more information, please consult factory.



DATE

PROJECT

TYPE

CTL905 SERIES | Eclipse Curve Track Luminaire Photometrics

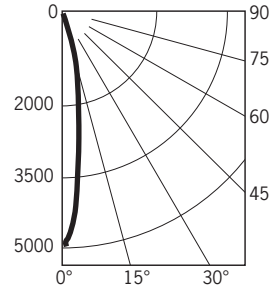
CTL9050: 3000K SPOT

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 Life³
 LM-63 Test No. G19103003
 LM-79 Test No. S19103101

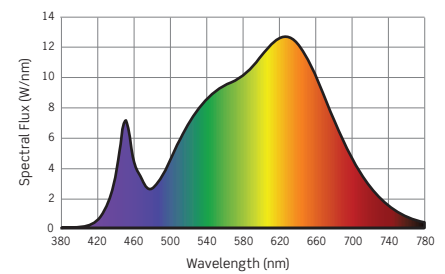
Intensity Distribution

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 Chart⁴



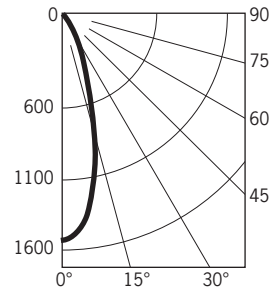
CTL9050: 3000K FLOOD

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 Life³
 LM-63 Test No. G19103001
 LM-79 Test No. S19103101

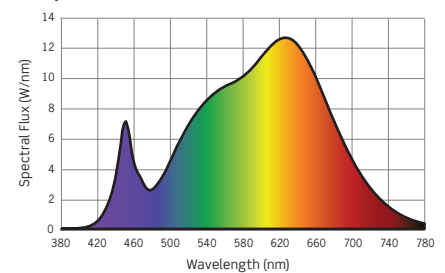
Intensity Distribution

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 Chart⁴



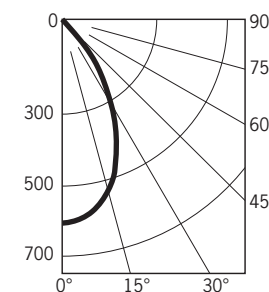
CTL9050: 3000K WIDE FLOOD

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 Life³
 LM-63 Test No. G19103002
 LM-79 Test No. S19103101

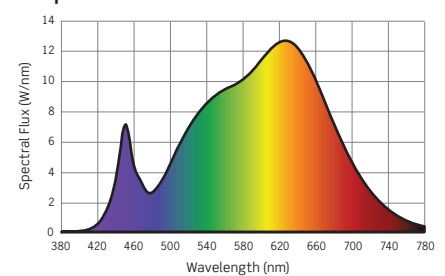
Intensity Distribution

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 Chart⁴



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

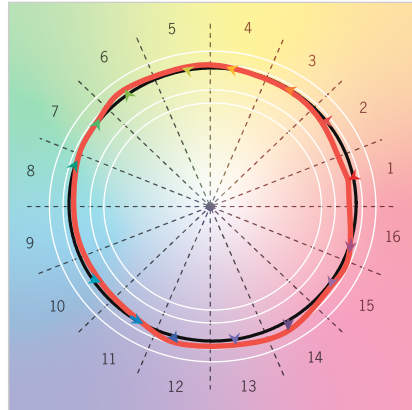
TM-30 DATA: CTL9050: 3000K FLOOD

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

Colors are for visual orientation purposes only

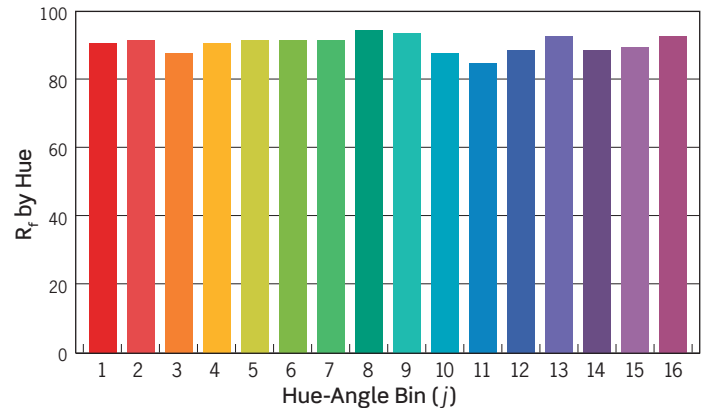
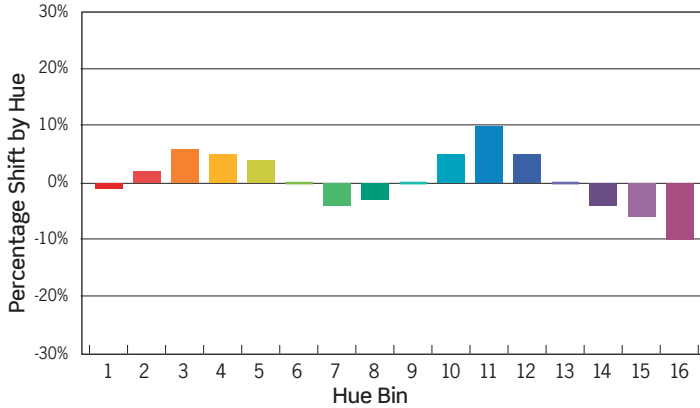
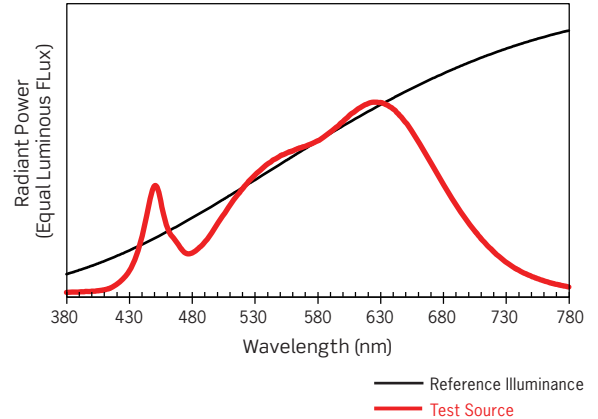
R_f	91
R_g	101
CCT(K)	3145K
D_{uv}	0.0010
u^I	0.2453
v^I	0.5198

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 _f 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

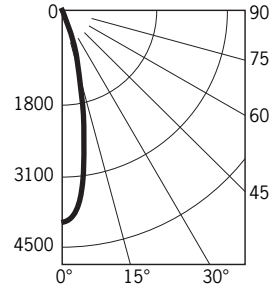
CTL9051: 3000K MEDIUM

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 Life³
 LM-63 Test No. G19103006
 LM-79 Test No. S19103101

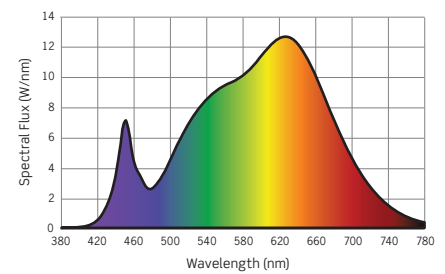
Intensity Distribution

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 Chart⁴



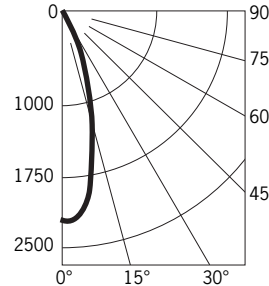
CTL9051: 3000K FLOOD

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 Life³
 LM-63 Test No. G19103004
 LM-79 Test No. S19103101

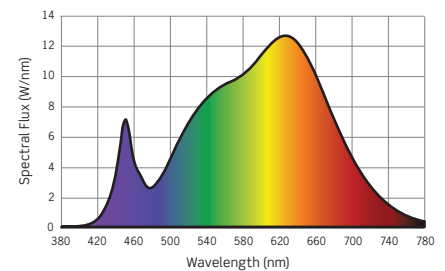
Intensity Distribution

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 Chart⁴



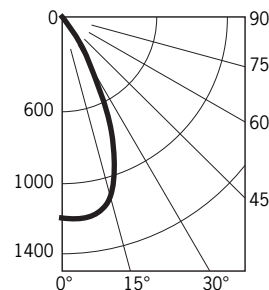
CTL9051: 3000K WIDE FLOOD

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 Life³
 LM-63 Test No. G19103005
 LM-79 Test No. S19103101

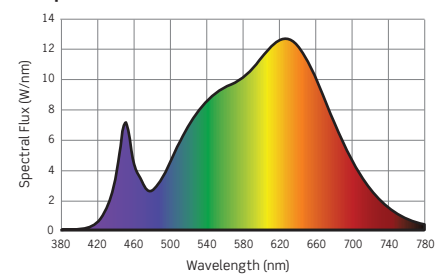
Intensity Distribution

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 Chart⁴



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

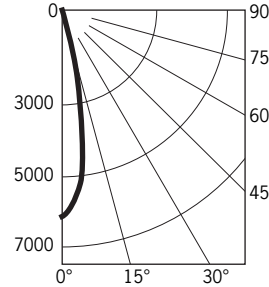
Fixture Delivered Lumens: 1350.6
 Total Watts@120V: 13.7
 Lumens Per Watt: 98.6
 Center Beam Candle Power: 6073
 Beam Distribution: 23°
 Spacing Criterion: 0.39
 Color Rendering Index (CRI)1: 92
 Color Temperature (CCT)2: 3123K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G19103103
 LM-79 Test No. S21012802

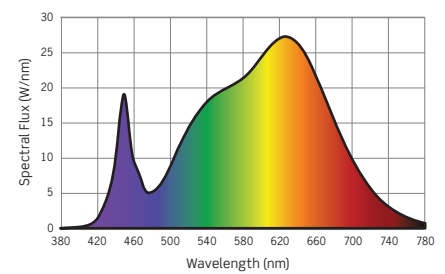
Intensity Distribution

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 Chart⁴



CTL9052: 3000K FLOOD

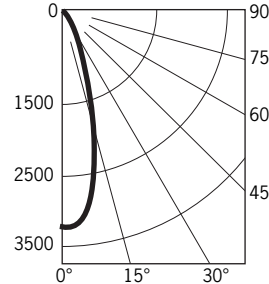
Fixture Delivered Lumens: 1323.7
 Total Watts@120V: 13.7
 Lumens Per Watt: 96.6
 Center Beam Candle Power: 3194
 Beam Distribution: 33°
 Spacing Criterion: 0.56
 Color Rendering Index (CRI)2: 92
 Color Temperature (CCT)3: 3123K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G19103101
 LM-79 Test No. S21012802

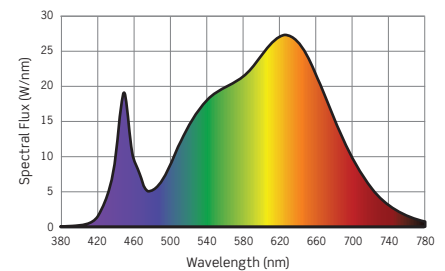
Intensity Distribution

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 Chart⁴



CTL9052: 3000K WIDE FLOOD

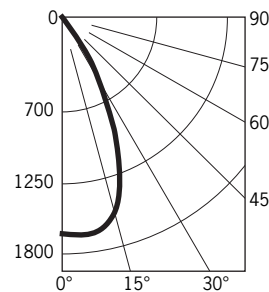
Fixture Delivered Lumens: 1344.7
 Total Watts@120V: 13.7
 Lumens Per Watt: 98.2
 Center Beam Candle Power: 1638
 Beam Distribution: 53°
 Spacing Criterion: 0.80
 Color Rendering Index (CRI)2: 92
 Color Temperature (CCT)3: 3123K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G19103102
 LM-79 Test No. S21012802

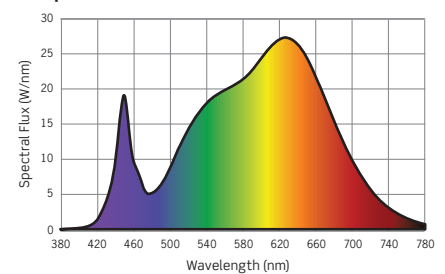
Intensity Distribution

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 Chart⁴



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

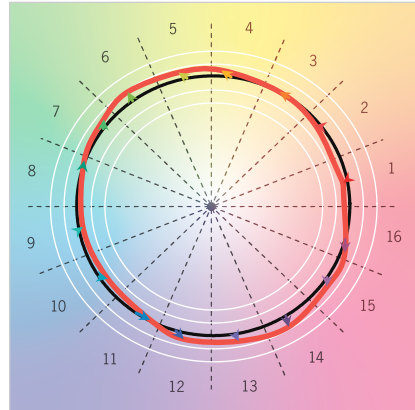
TM-30 DATA: CTL9051/CTL9052: 3000K FLOOD

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

Colors are for visual orientation purposes only

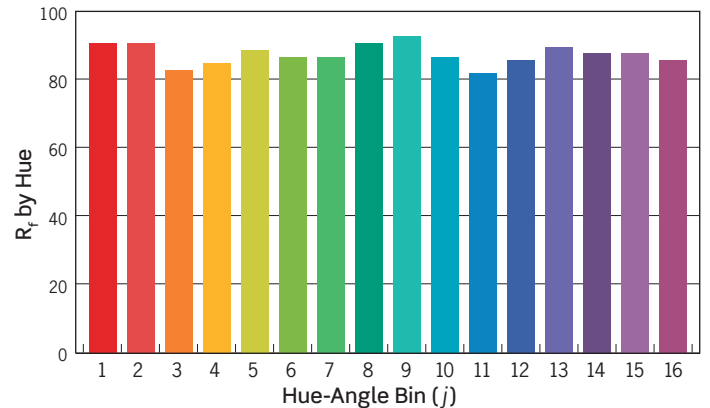
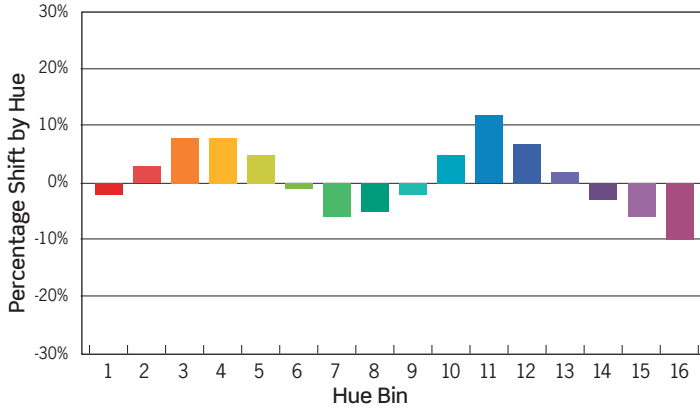
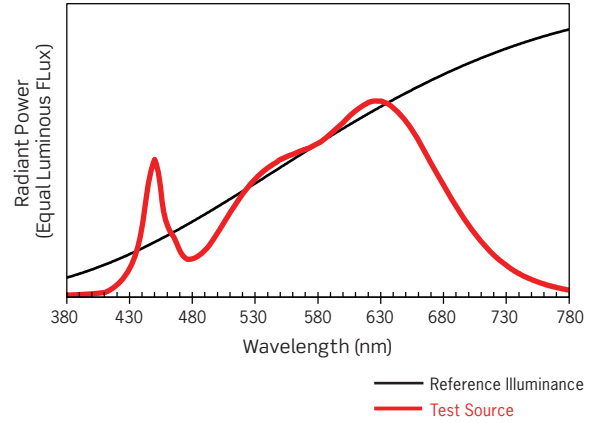
R_f	89
R_g	104
CCT(K)	3123K
D_{uv}	-0.0034
u^l	0.2478
v^l	0.5141

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 _f 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

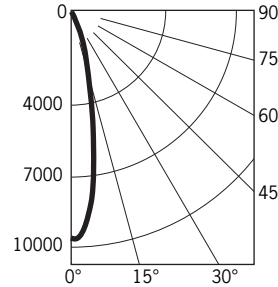
Fixture Delivered Lumens: 1950.4
 Total Watts@120V: 19.6
 Lumens Per Watt: 99.5
 Center Beam Candle Power: 9771
 Beam Distribution: 21°
 Spacing Criterion: 0.40
 Color Rendering Index (CRI)1: 92
 Color Temperature (CCT)2: 3096K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G19103106
 LM-79 Test No. S21012803

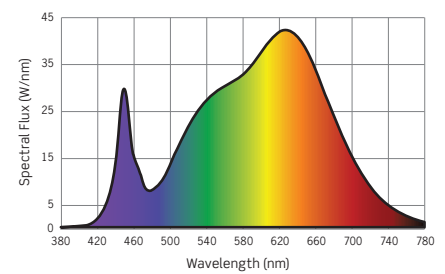
Intensity Distribution

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 Chart⁴



CTL9053: 3000K FLOOD

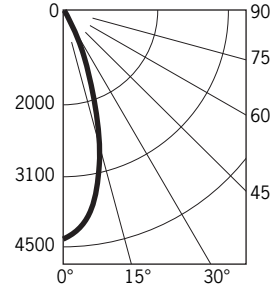
Fixture Delivered Lumens: 1961.7
 Total Watts@120V: 19.6
 Lumens Per Watt: 100.1
 Center Beam Candle Power: 4345
 Beam Distribution: 37°
 Spacing Criterion: 0.60
 Color Rendering Index (CRI)1: 92
 Color Temperature (CCT)2: 3096K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G19103104
 LM-79 Test No. S21012803

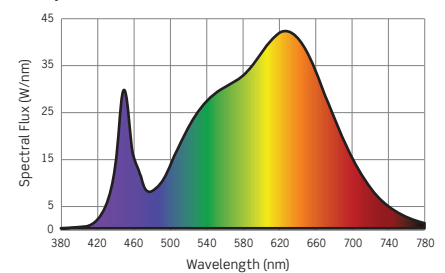
Intensity Distribution

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 Chart⁴



CTL9053: 3000K WIDE FLOOD

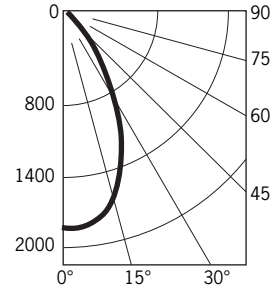
Fixture Delivered Lumens: 1762.9
 Total Watts@120V: 19.6
 Lumens Per Watt: 89.9
 Center Beam Candle Power: 1849
 Beam Distribution: 57°
 Spacing Criterion: 0.86
 Color Rendering Index (CRI)1: 92
 Color Temperature (CCT)2: 3096K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G19103105
 LM-79 Test No. S21012803

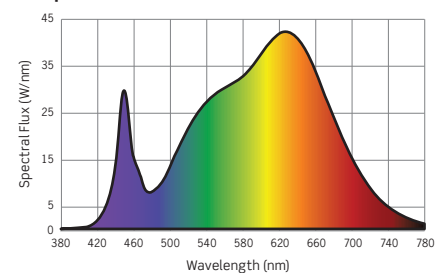
Intensity Distribution

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 Chart⁴



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

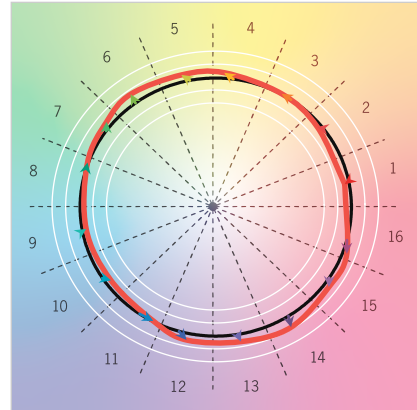
TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

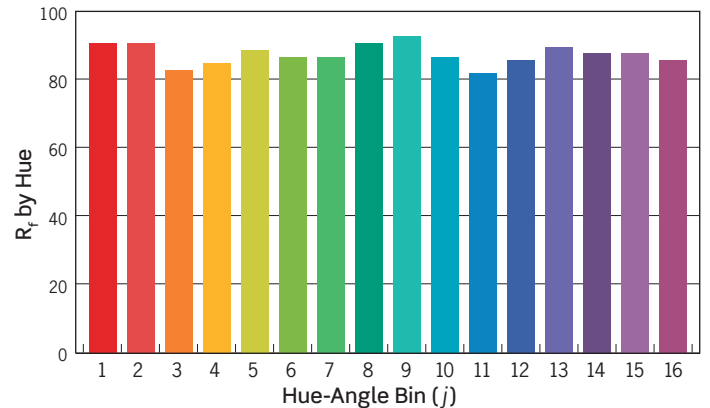
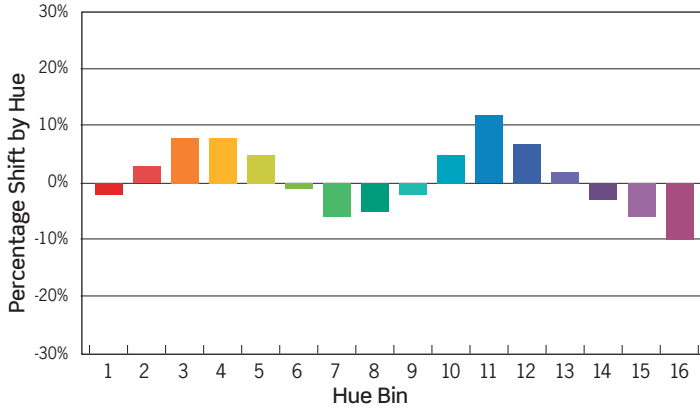
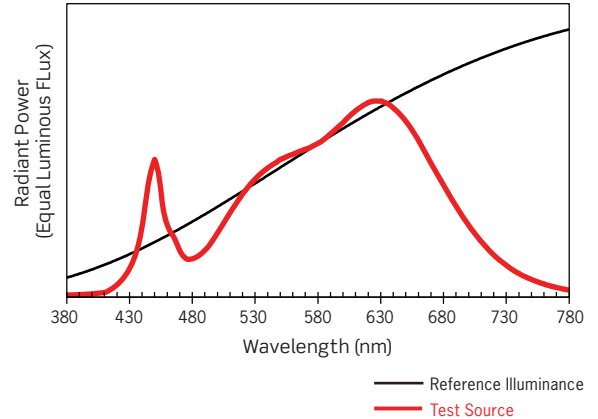
R_f	89
R_g	104
CCT(K)	3096K
D_{uv}	-0.0039
u^l	0.2488
v^l	0.5140

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

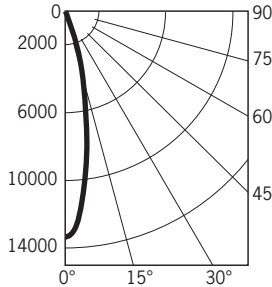
CTL9059: 3000K MEDIUM

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 Life³
 LM-63 Test No. G21083003
 LM-79 Test No. S21081906

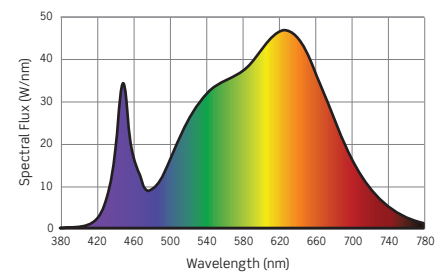
Intensity Distribution

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 Chart⁴



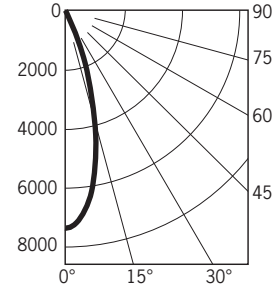
CTL9059: 3000K FLOOD

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 Life³
 LM-63 Test No. G21083002
 LM-79 Test No. S21081906

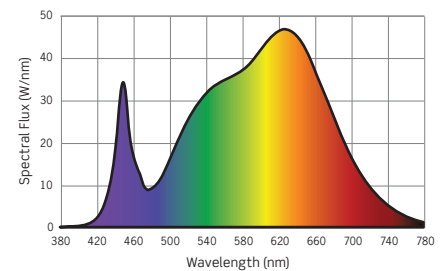
Intensity Distribution

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 Chart⁴



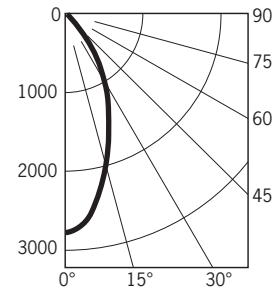
CTL9059: 3000K WIDE FLOOD

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 Life³
 LM-63 Test No. G21083001
 LM-79 Test No. S21081906

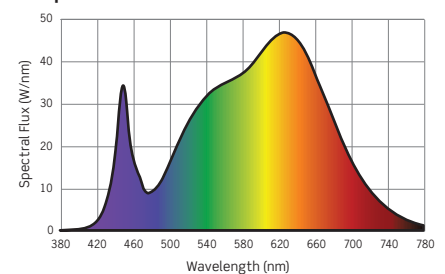
Intensity Distribution

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 Chart⁴



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

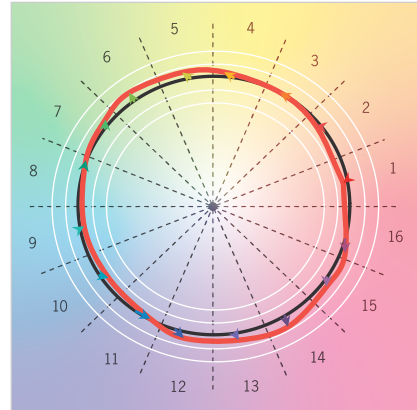
TM-30 DATA: CTL9053: 3000K FLOOD

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

Colors are for visual orientation purposes only

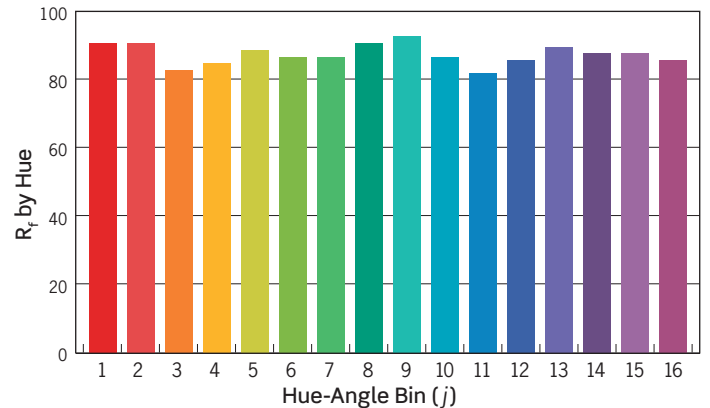
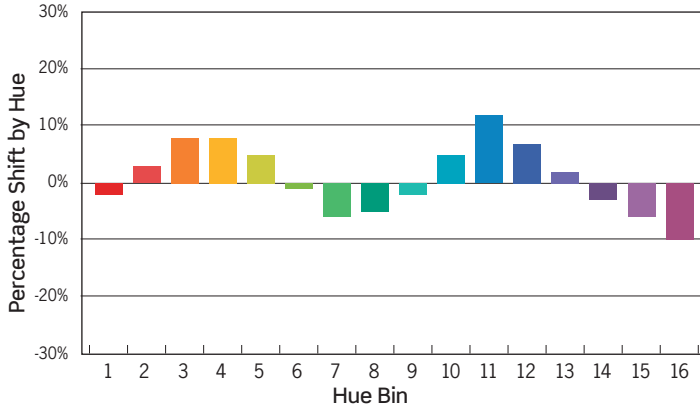
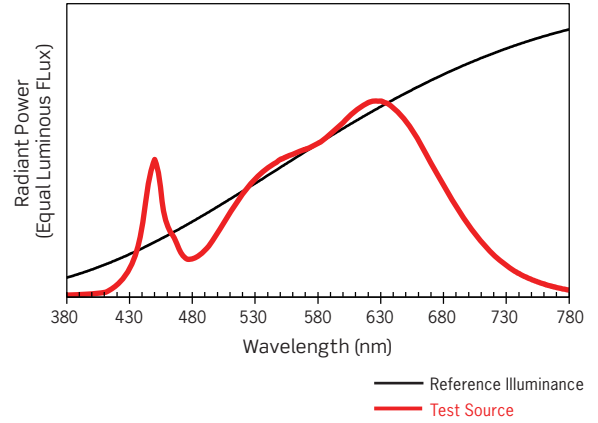
R_f	89
R_g	104
CCT(K)	3179K
D_{uv}	-0.0029
u^l	0.2458
v^l	0.5137

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 _f 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

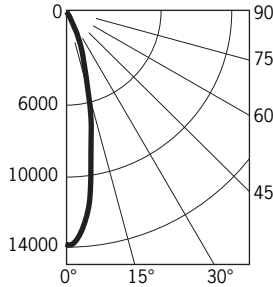
CTL9054: 3000K MEDIUM

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 Life³
 LM-63 Test No. G19110102
 LM-79 Test No. S21012804

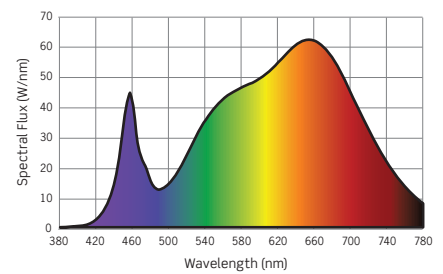
Intensity Distribution

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 Chart⁴



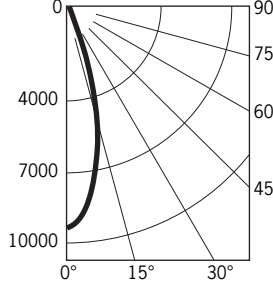
CTL9054: 3000K FLOOD

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 Life³
 LM-63 Test No. G19103107
 LM-79 Test No. S21012804

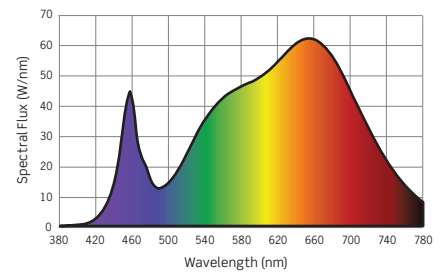
Intensity Distribution

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 Chart⁴



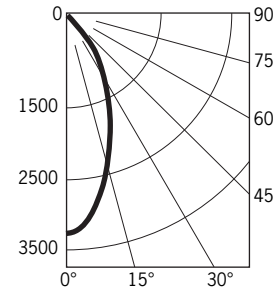
CTL9054: 3000K WIDE FLOOD

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 Life³
 LM-63 Test No. G19110101
 LM-79 Test No. S21012804

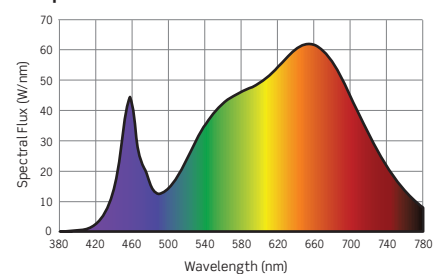
Intensity Distribution

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 Chart⁴



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

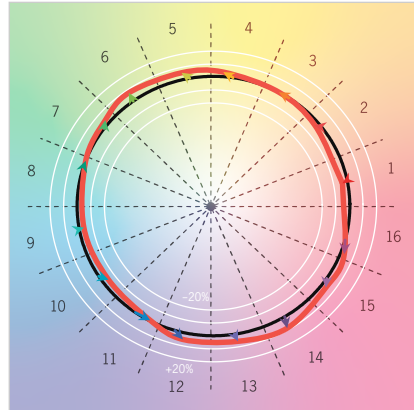
TM-30 DATA: CTL9054: 3000K FLOOD

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

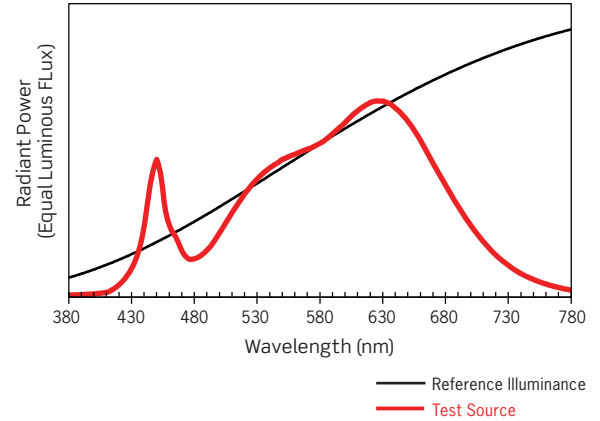
Colors are for visual orientation purposes only

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

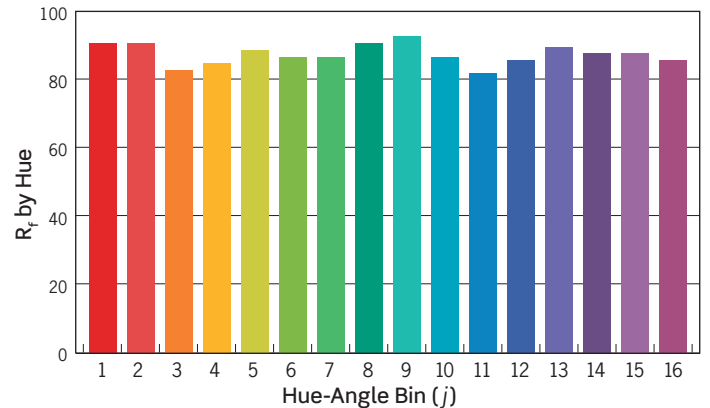
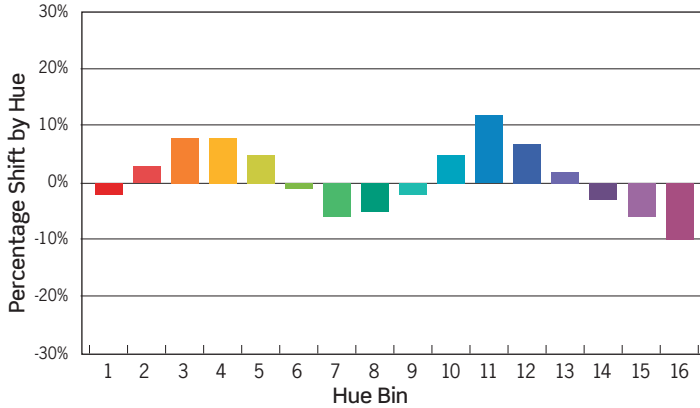
Color Vector Graphic



Spectral Power Distribution Comparison



— Reference Illuminance — Test Source



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