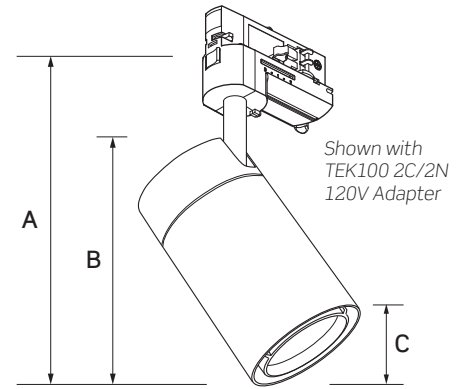


NCTL905 SERIES | Eclipse Curve Track Luminaires for use with select Nordic Track Systems



	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"



	CTL9050	CTL9051	CTL9052	CTL9053	CTL9059	CTL9054
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) and ELV (Reverse Phase) Compatible					
COMPATIBILITY	Compatible with Nordic Aluminum Inc. Track Systems					
LISTINGS	cETLus Listed to UL and CSA Standards; Suitable for Dry Locations only Can be used to comply with the Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements DLC® Listed Declare Compliant					
WARRANTY	Five (5) year replacement after date of purchase					
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance					

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information
 2. Spot Beam available ONLY for CTL9050 Series
 3. Medium Beam NOT available for CTL9050 Series

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

ORDERING INFORMATION

Example Order: NCTL9050F30KCD-P1C

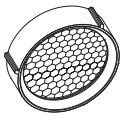
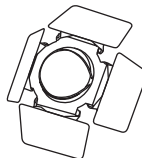
Luminaire	Beam	Color Temp/CRI	Dimming Option	Finish	Nordic Adapter
NCTL9050 7W/651Lm	S² Spot	90+ CRI	D Dimming	B Black	Blank 2C/2N 120V
NCTL9051 9W/1021Lm	M³ Medium	27C 2700K	<i>Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible</i>	P White	1C 1C/1N or 2C/1N
NCTL9052 14W/1462Lm	F Flood	3C 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 NCTL9050 Series
- 3. Medium Beam not available for NCTL9050 Series

REPLACEMENT OPTIC ORDERING INFORMATION


Optics are interchangeable and can be field replaced; only upon the same size fixture, not between fixture sizes	CTL9050	CTL9051/CTL9052	CTL9053	CTL9059/CTL9054
	CTL9050-S 15° Spot CTL9050-F 32° Flood CTL9050-WF 58° Wide Flood	CTL9051/2-M 23° Medium CTL9051/2-F 33° Flood CTL9051/2-WF 52° Wide Flood	CTL9053-M 21° Medium CTL9053-F 37° Flood CTL9053-WF 57° Wide Flood	CTL9054-M 24° Medium CTL9054-F 33° Flood CTL9054-WF 48° Wide Flood

ACCESSORY ORDERING INFORMATION

 ACCESSORY HOLDERS Black (B) or White (P) Finish; Includes Honeycomb Louver	Accessory Holder	Finish	 BARN DOORS Black (B) Finish	Barn Doors
	NCTL9050 FA-91S NCTL9051/NCTL9052 FA-91M NCTL9053 FA-91L NCTL9059/NCTL9054 FA-91XL	B Black P White		NCTL9050 BD9S NCTL9051/NCTL9052 BD9M

 SNOOTS Black (B) or White (P) Finish	Snoot	Finish
	NCTL9050 FA-92S NCTL9051/NCTL9052 FA-92M NCTL9053 FA-92L NCTL9059/NCTL9054 FA-92XL	B Black P White

Example Order: LF16-A-42MM

 TEMPERED GLASS LENSES Lenses fit in the respective FA-91 Series Accessory Holder or FA-92 Series Snoot, ordered separately. Lens finish should be entered after the "LF16-" prefix, before lens size.	Lens	Finish	Size
	LF16	LS Linear Spread SL Soft Light SOL Solite A Amber B Blue CL Clear DPE Dichroic Peach G Green LB Light Blue R Red RO Rose Y Yellow	CTL9050 42MM <i>1-5/8-In. Diameter Lenses</i> CTL9051/CTL9052 No MM Required <i>2-In. Diameter Lenses</i> CTL9053 60MM <i>2-3/8-In. Diameter Lenses</i> CTL9059/CTL9054 75MM <i>2-15/16-In. Diameter Lenses</i>

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

PRODUCT SPECIFICATIONS

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

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
- Incandescent (Forward Phase) and ELV (Reverse Phase) compatible dimming available at 120V only
- 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.



DIMMING SPECIFICATIONS

- Incandescent 120VAC Dimmers adjust the light with forward phase control, where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source; no neutral wire connection required
- Electronic Low Voltage 120VAC Dimmers adjust the light with reverse phase control, where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source; neutral wire connection required

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%-100%
Leviton	Trimatron Rotary	RDL06	10%-100%
Lutron	Ariadni	TGCL-153P	4%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Lumea	LECL-153P	3%-100%

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

NOTES

1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

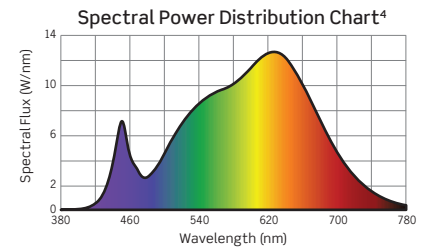
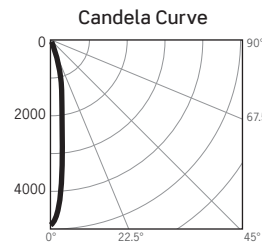
PHOTOMETRIC DATA: CTL9050 SERIES 7W LUMINAIRE

CTL9050: 3000K SPOT

LM-63 Test No. G19103003; LM-79 Test No. S21012801

Fixture Delivered Lumens: 592.5
 Total Watts@120V: 7.0
 Lumens Per Watt: 84.6
 Center Beam Candle Power: 4925
 Beam Distribution: 15°
 Spacing Criterion: 0.28
 Color Rendering Index (CRI)¹: 96
 Color Temperature (CCT)²: 3153K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	307.8	1.1
6 FT	136.8	1.6
8 FT	77.0	2.1
10 FT	49.2	2.7
12 FT	34.2	3.2
14 FT	25.1	3.7

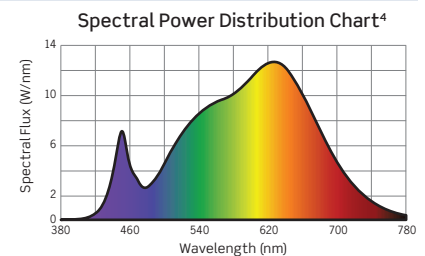
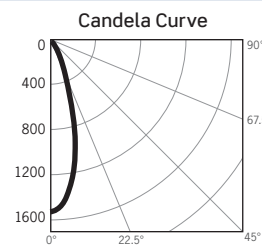


CTL9050: 3000K FLOOD

LM-63 Test No. G19103001; LM-79 Test No. S21012801

Fixture Delivered Lumens: 602.0
 Total Watts@120V: 7.0
 Lumens Per Watt: 86.0
 Center Beam Candle Power: 1520
 Beam Distribution: 32°
 Spacing Criterion: 0.53
 Color Rendering Index (CRI)¹: 96
 Color Temperature (CCT)²: 3153K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	95.0	2.3
6 FT	42.2	3.5
8 FT	23.8	4.6
10 FT	15.2	5.8
12 FT	10.6	6.9
14 FT	7.8	8.1

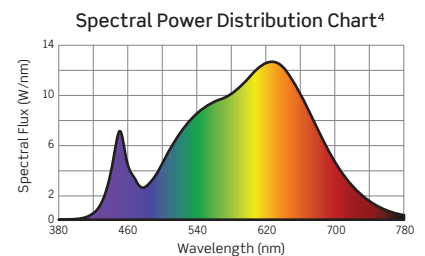
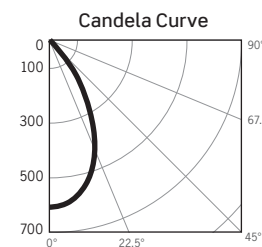


CTL9050: 3000K WIDE FLOOD

LM-63 Test No. G19103002; LM-79 Test No. S21012801

Fixture Delivered Lumens: 561.8
 Total Watts@120V: 7.0
 Lumens Per Watt: 80.3
 Center Beam Candle Power: 605
 Beam Distribution: 58.3°
 Spacing Criterion: 0.88
 Color Rendering Index (CRI)¹: 96
 Color Temperature (CCT)²: 3153K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	37.8	4.5
6 FT	16.8	6.7
8 FT	9.5	8.9
10 FT	6.1	11.2
12 FT	4.2	13.4
14 FT	3.1	15.6



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Divva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

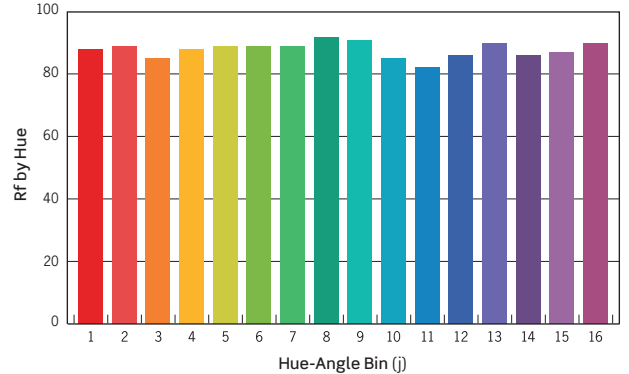
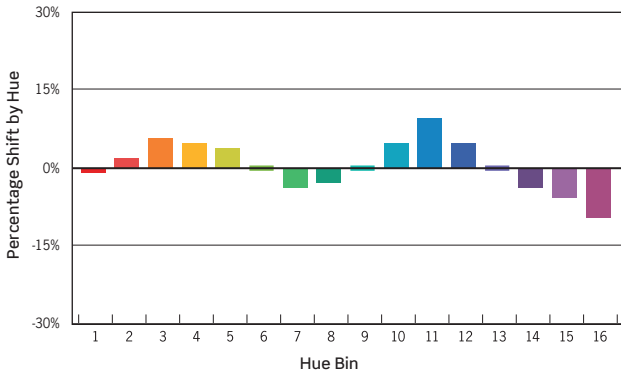
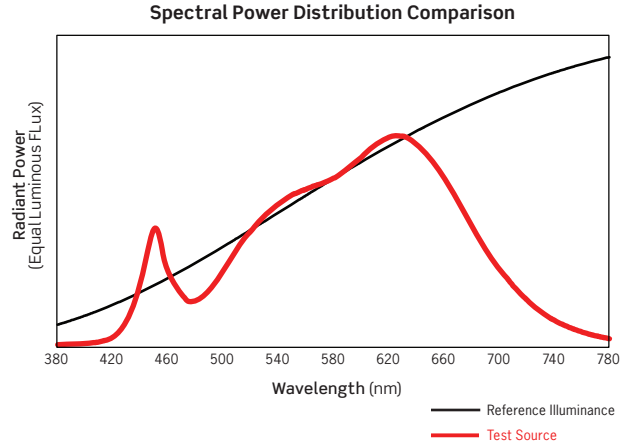
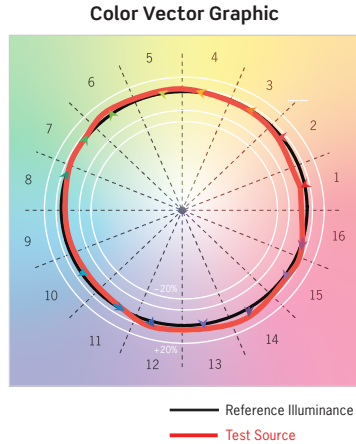
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA: CTL9050 3000K, FLOOD BEAM

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

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



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	2%	6%	5%	4%	0%	-4%	-3%	0%	5%	10%	5%	0%	-4%	-6%	-10%
R _f VALUE	92	93	89	92	93	93	93	96	95	89	86	90	94	90	91	88

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

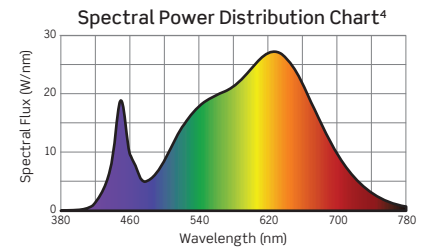
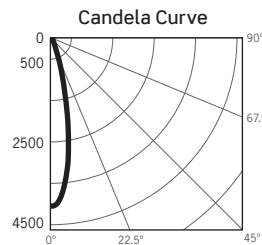
PHOTOMETRIC DATA: CTL9051 SERIES 9W LUMINAIRE

CTL9051: 3000K MEDIUM

LM-63 Test No. G19103006; LM-79 Test No. S21012802

Fixture Delivered Lumens: 936.6
 Total Watts@120V: 9.1
 Lumens Per Watt: 102.9
 Center Beam Candle Power: 4075
 Beam Distribution: 23°
 Spacing Criterion: 0.40
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3123K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	254.7	1.6
6 FT	113.2	2.4
8 FT	63.7	3.2
10 FT	40.8	4.0
12 FT	28.3	4.8
14 FT	20.8	5.7

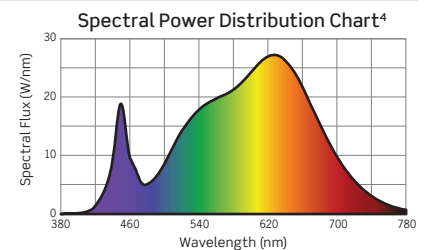
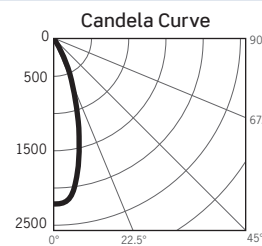


CTL9051: 3000K FLOOD

LM-63 Test No. G19103004; LM-79 Test No. S21012802

Fixture Delivered Lumens: 930.5
 Total Watts@120V: 9.1
 Lumens Per Watt: 102.3
 Center Beam Candle Power: 2222
 Beam Distribution: 33°
 Spacing Criterion: 0.56
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3123K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	138.9	2.4
6 FT	61.7	3.5
8 FT	34.7	4.7
10 FT	22.2	5.9
12 FT	15.4	7.1
14 FT	11.3	8.3

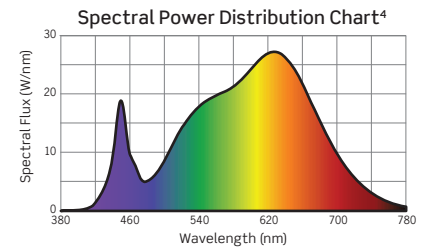
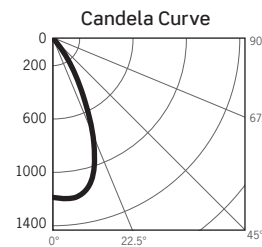


CTL9051: 3000K WIDE FLOOD

LM-63 Test No. G19103005; LM-79 Test No. S21012802

Fixture Delivered Lumens: 943.8
 Total Watts@120V: 9.1
 Lumens Per Watt: 103.7
 Center Beam Candle Power: 1190
 Beam Distribution: 52°
 Spacing Criterion: 0.78
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3123K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	74.4	3.9
6 FT	33.1	5.8
8 FT	18.6	7.7
10 FT	11.9	9.7
12 FT	8.3	11.6
14 FT	6.1	13.5



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

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

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

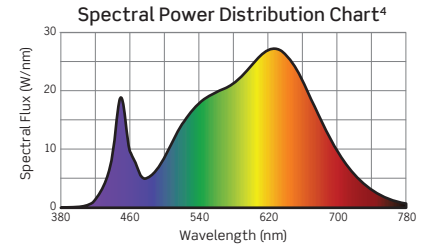
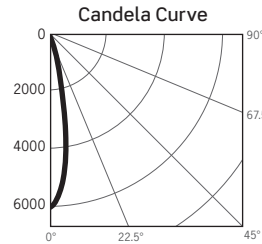
PHOTOMETRIC DATA: CTL9052 SERIES 14W LUMINAIRE

CTL9052: 3000K MEDIUM

LM-63 Test No. G19103103; LM-79 Test No. S21012802

Fixture Delivered Lumens: 1350.6
Total Watts@120V: 13.7
Lumens Per Watt: 98.6
Center Beam Candle Power: 6073
Beam Distribution: 23°
Spacing Criterion: 0.39
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	307.8	1.1
6 FT	136.8	1.6
8 FT	77.0	2.1
10 FT	49.2	2.7
12 FT	34.2	3.2
14 FT	25.1	3.7

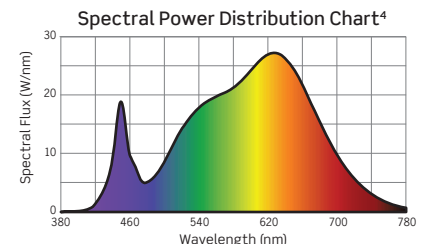
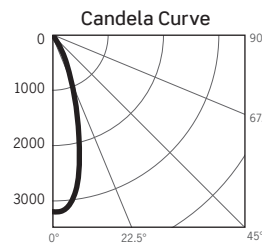


CTL9052: 3000K FLOOD

LM-63 Test No. G19103101; LM-79 Test No. S21012802

Fixture Delivered Lumens: 1323.7
Total Watts@120V: 13.7
Lumens Per Watt: 96.6
Center Beam Candle Power: 3194
Beam Distribution: 33°
Spacing Criterion: 0.56
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	199.6	2.4
6 FT	88.7	3.6
8 FT	49.9	4.8
10 FT	31.9	6.0
12 FT	22.2	7.2
14 FT	16.3	8.4

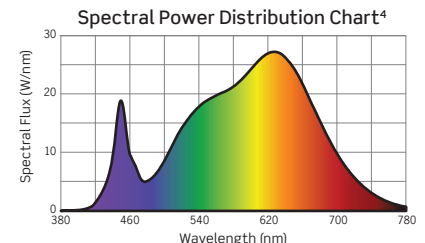
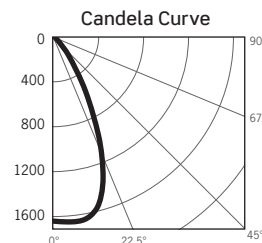


CTL9052: 3000K WIDE FLOOD

LM-63 Test No. G19103102; LM-79 Test No. S21012802

Fixture Delivered Lumens: 1344.7
Total Watts@120V: 13.7
Lumens Per Watt: 98.2
Center Beam Candle Power: 1638
Beam Distribution: 53°
Spacing Criterion: 0.80
Color Rendering Index (CRI)¹: 92
Color Temperature (CCT)²: 3123K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	102.4	4.0
6 FT	45.5	6.0
8 FT	25.6	7.9
10 FT	16.4	10.0
12 FT	11.4	11.9
14 FT	8.4	13.8



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

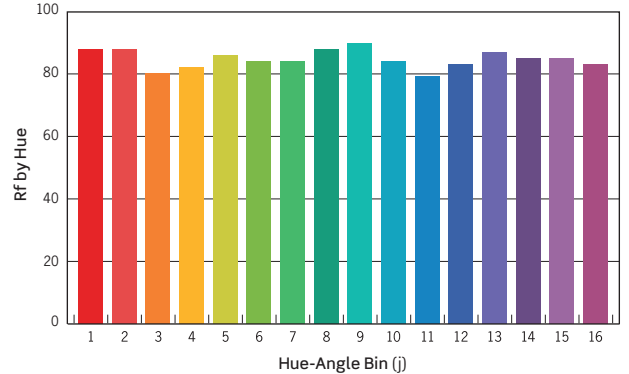
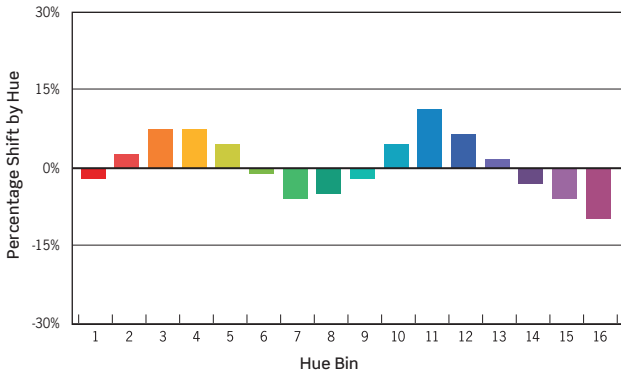
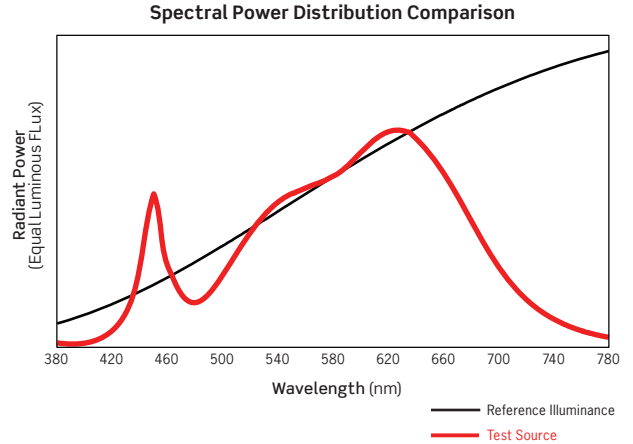
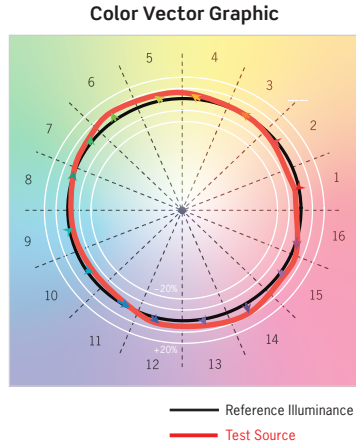
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

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

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

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



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-2%	5%	12%	7%	2%	-3%	-6%	-10%
R _f VALUE	92	92	84	86	90	88	88	92	94	88	83	87	91	89	89	87

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

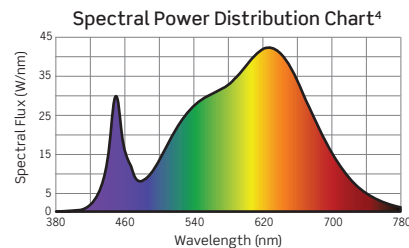
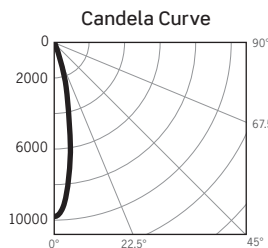
PHOTOMETRIC DATA: CTL9053 SERIES 20W LUMINAIRE

CTL9053: 3000K MEDIUM

LM-63 Test No. G19103106; LM-79 Test No. S21012803

Fixture Delivered Lumens: 1950.4
 Total Watts@120V: 19.6
 Lumens Per Watt: 99.5
 Center Beam Candle Power: 9771
 Beam Distribution: 21°
 Spacing Criterion: 0.40
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3096K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	610.7	1.5
6 FT	271.4	2.2
8 FT	152.7	3.0
10 FT	97.7	3.7
12 FT	67.9	4.5
14 FT	49.9	5.2

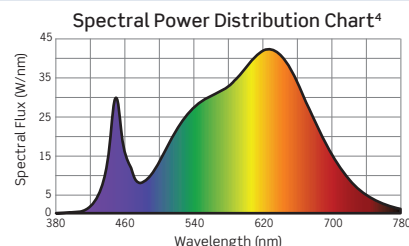
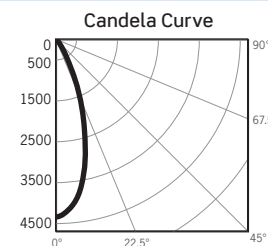


CTL9053: 3000K FLOOD

LM-63 Test No. G19103104; LM-79 Test No. S21012803

Fixture Delivered Lumens: 1961.7
 Total Watts@120V: 19.6
 Lumens Per Watt: 100.1
 Center Beam Candle Power: 4345
 Beam Distribution: 37°
 Spacing Criterion: 0.60
 Color Rendering Index (CRI)¹: 96
 Color Temperature (CCT)²: 3153K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	271.6	2.7
6 FT	120.7	4.0
8 FT	67.9	5.4
10 FT	43.5	6.7
12 FT	30.2	8.0
14 FT	22.2	9.4

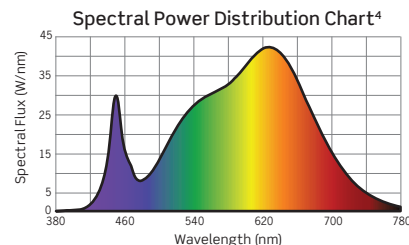
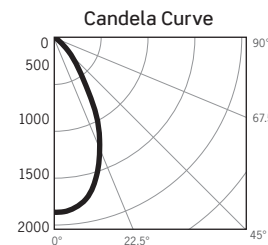


CTL9053: 3000K WIDE FLOOD

LM-63 Test No. G19103105; LM-79 Test No. S21012803

Fixture Delivered Lumens: 1762.9
 Total Watts@120V: 19.6
 Lumens Per Watt: 89.9
 Center Beam Candle Power: 1849
 Beam Distribution: 57°
 Spacing Criterion: 0.86
 Color Rendering Index (CRI)¹: 96
 Color Temperature (CCT)²: 3153K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	115.6	4.3
6 FT	51.4	6.5
8 FT	28.9	8.6
10 FT	18.5	10.8
12 FT	12.8	12.9
14 FT	9.4	15.1



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

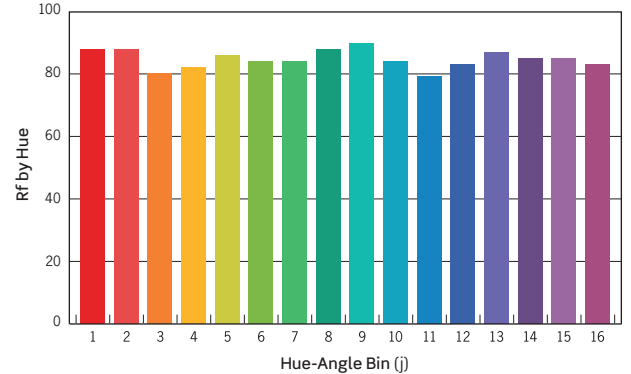
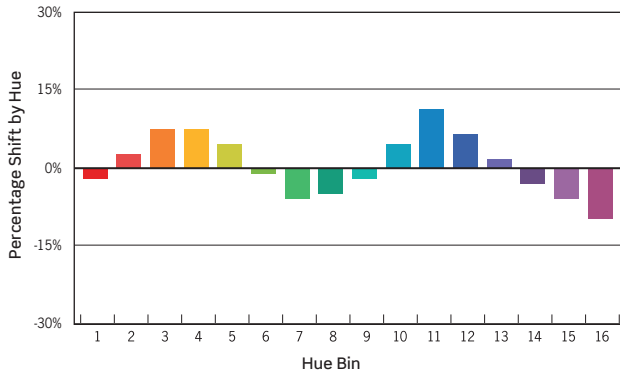
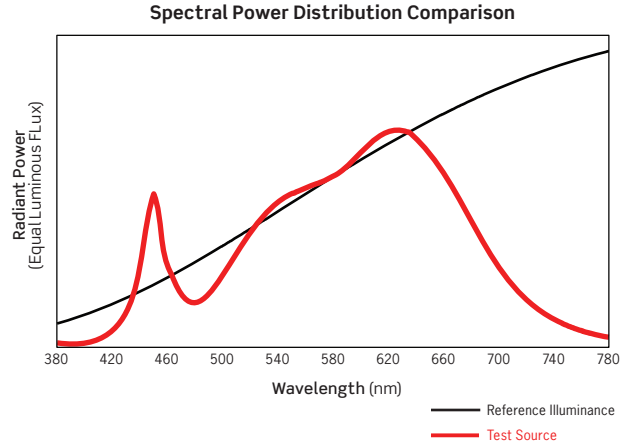
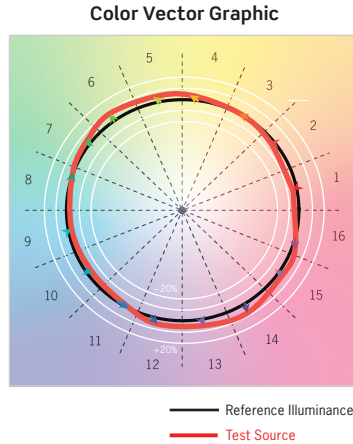
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA: CTL9053 3000K, FLOOD BEAM

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

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



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-1%	5%	11%	7%	1%	-3%	-6%	-10%
R _f VALUE	93	92	84	87	90	88	89	92	94	89	83	87	92	89	89	87

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

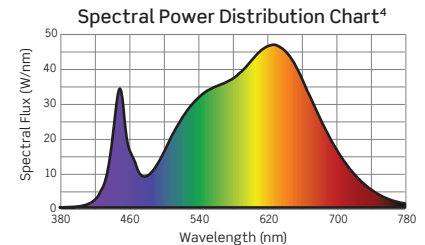
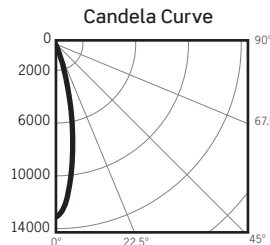
PHOTOMETRIC DATA: CTL9059 SERIES 29W LUMINAIRE

CTL9059: 3000K MEDIUM

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

Fixture Delivered Lumens: 2537.3
 Total Watts@120V: 28.8
 Lumens Per Watt: 87.8
 Center Beam Candle Power: 13346
 Beam Distribution: 21.7°
 Spacing Criterion: 0.38
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3179K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	834.1	1.5
6 FT	370.7	2.3
8 FT	208.5	3.1
10 FT	133.5	3.8
12 FT	92.7	4.6
14 FT	68.1	5.4

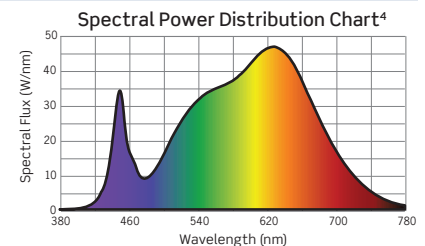
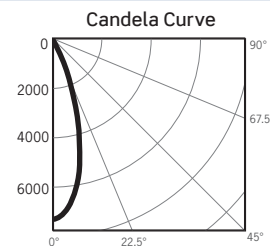


CTL9059: 3000K FLOOD

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

Fixture Delivered Lumens: 1961.7
 Total Watts@120V: 19.6
 Lumens Per Watt: 100.1
 Center Beam Candle Power: 4345
 Beam Distribution: 37°
 Spacing Criterion: 0.60
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3179K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	458.5	2.3
6 FT	203.8	3.5
8 FT	114.6	4.7
10 FT	73.4	5.8
12 FT	50.9	7.0
14 FT	37.4	8.1

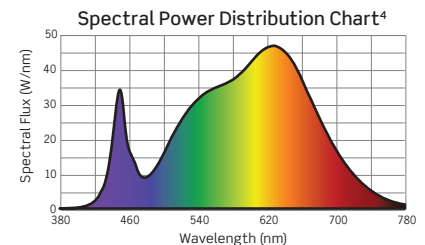
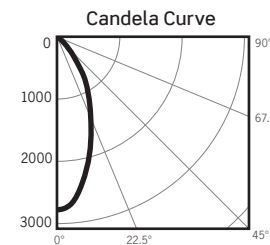


CTL9059: 3000K WIDE FLOOD

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

Fixture Delivered Lumens: 2519.8
 Total Watts@120V: 28.9
 Lumens Per Watt: 87.2
 Center Beam Candle Power: 7335
 Beam Distribution: 32.4°
 Spacing Criterion: 0.53
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3179K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	173.9	3.5
6 FT	77.3	5.2
8 FT	43.5	7.0
10 FT	27.8	8.7
12 FT	19.3	10.5
14 FT	14.2	12.2



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Diva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

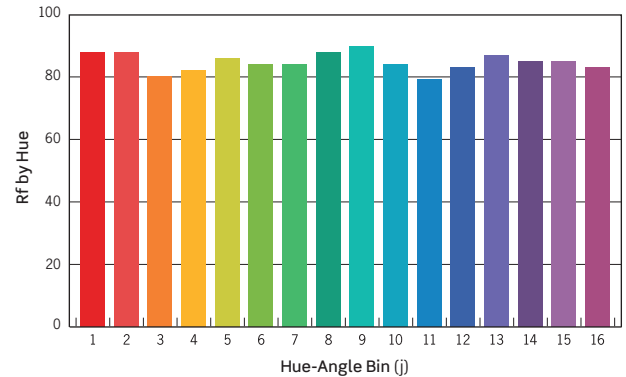
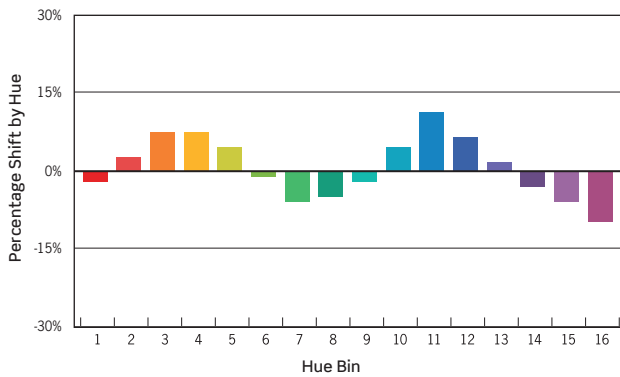
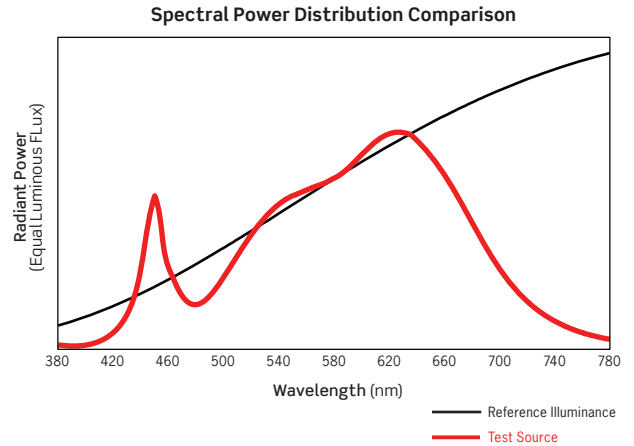
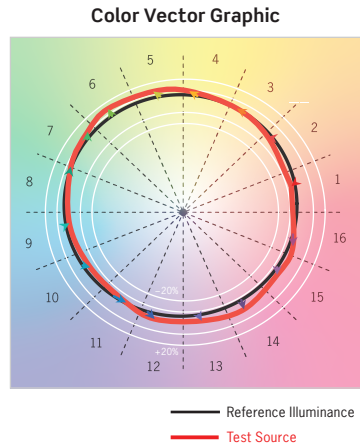
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA: CTL9059 3000K, FLOOD BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21081906

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



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-1%	5%	12%	7%	2%	-3%	-6%	-10%
R _f VALUE	93	93	85	87	90	89	89	92	94	88	83	87	92	89	89	87

Colors are for visual orientation purposes only

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

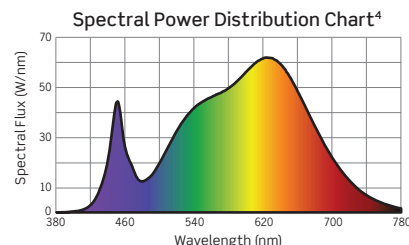
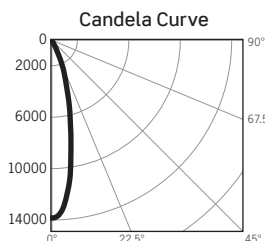
PHOTOMETRIC DATA: CTL9054 SERIES 34W LUMINAIRE

CTL9054: 3000K MEDIUM

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

Fixture Delivered Lumens: 3182.5
 Total Watts@120V: 34
 Lumens Per Watt: 93.6
 Center Beam Candle Power: 13850
 Beam Distribution: 24°
 Spacing Criterion: 0.42
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3178K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	865.6	1.7
6 FT	384.7	2.6
8 FT	216.4	3.4
10 FT	138.5	4.3
12 FT	96.2	5.1
14 FT	70.7	6.0

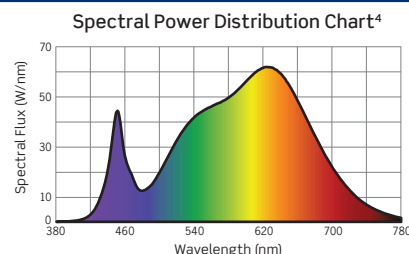
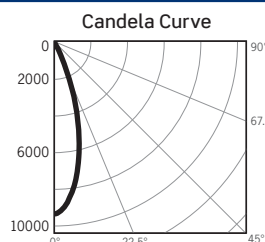


CTL9054: 3000K FLOOD

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

Fixture Delivered Lumens: 3182.4
 Total Watts@120V: 34
 Lumens Per Watt: 93.3
 Center Beam Candle Power: 9335
 Beam Distribution: 33°
 Spacing Criterion: 0.54
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3178K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	583.5	2.4
6 FT	259.3	3.5
8 FT	145.9	4.7
10 FT	93.4	5.9
12 FT	64.8	7.1
14 FT	47.6	8.3

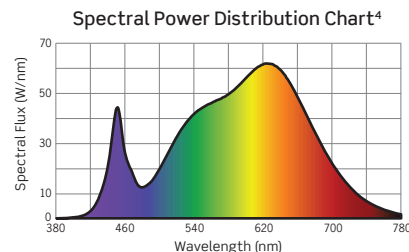
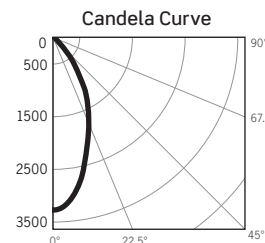


CTL9054: 3000K WIDE FLOOD

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

Fixture Delivered Lumens: 2601.4
 Total Watts@120V: 34
 Lumens Per Watt: 76.5
 Center Beam Candle Power: 3265
 Beam Distribution: 48°
 Spacing Criterion: 0.80
 Color Rendering Index (CRI)¹: 92
 Color Temperature (CCT)²: 3178K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	204.1	3.6
6 FT	90.7	5.4
8 FT	51.0	7.1
10 FT	32.6	8.9
12 FT	22.7	10.7
14 FT	16.7	12.5



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
2700K	0.87	3500K	1.05
3000K	1.00	4000K	1.08

COMPATIBLE DIMMERS

Incandescent (Forward Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	SureSlide	6631	3%–100%
Leviton	Trimatron Rotary	RDL06	10%–100%
Lutron	Ariadni	TGCL-153P	4%–100%
Lutron	Divva	DVCL-153P	0%–100%
Lutron	Lumea	LECL-153P	3%–100%

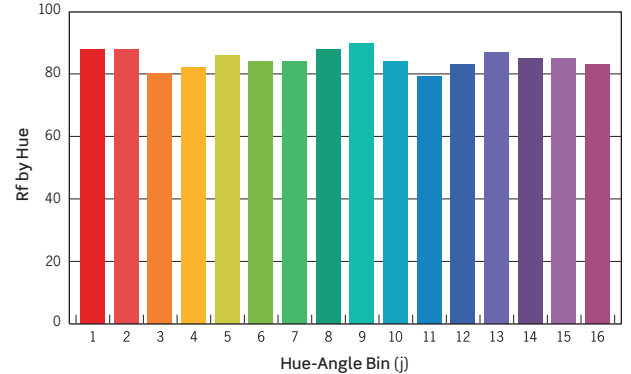
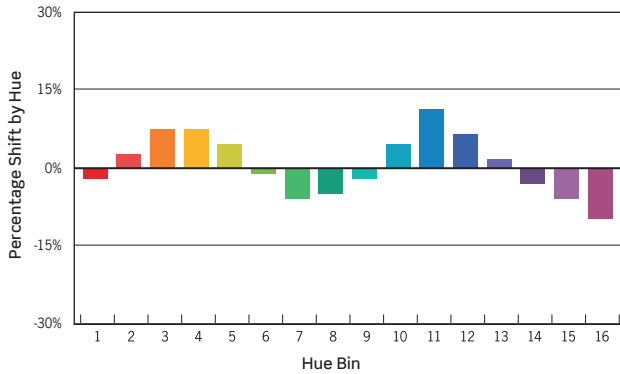
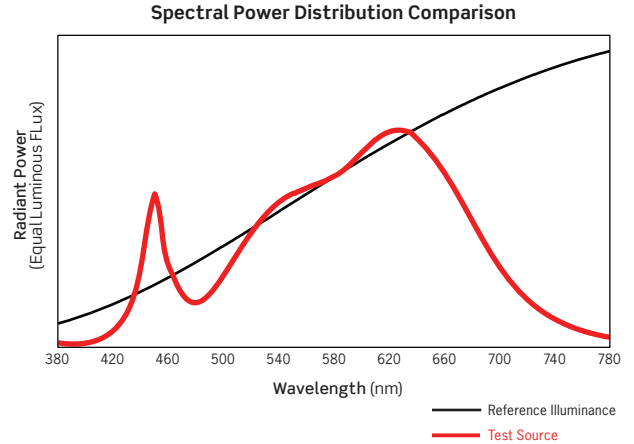
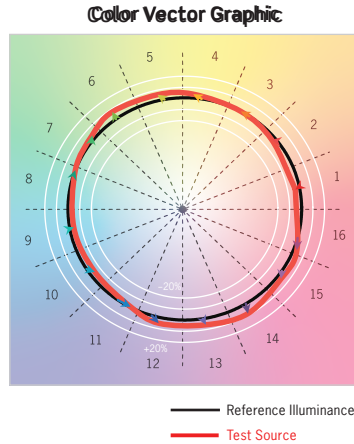
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA: CTL9054 3000K, FLOOD BEAM

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

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



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

Colors are for visual orientation purposes only