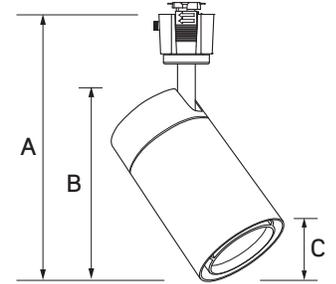


CTL905 SERIES | Eclipse Curve Track Luminaires



	A	B	C
CTL9050	4-13/16"	4-3/4"	2-3/8"
CTL9051	4-13/16"	5-1/4"	2-3/4"
CTL9052	4-13/16"	5-1/4"	2-3/4"
CTL9053	5-7/8"	6-1/8"	3-3/16"
CTL9059	6-1/2"	6-7/8"	3-15/16"
CTL9054	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	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit Track Systems as well as Juno ^{®4} Lighting Trac-Lites™ (R) and Trac-Master™ (T, TU) Track Systems HTL Units are compatible with Halo5 Power-Trac (L64, L65) and Lazer (LZR) Track Systems LTL Units are compatible with Lightolier6 Lytespan [®] 6000/1/2 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
 4. Juno is a registered trademark of Juno Lighting
 5. Halo is a registered trademark of Cooper Lighting
 6. Lightolier is a registered trademark of Signify

CTL905 SERIES | Eclipse Curve Track Luminaires

ORDERING INFORMATION

Example Order: CTL9050F3CD-P

Track System	Luminaire	Beam	Color Temp/CRI	Dimming Option	Finish
CTL ConTech	9050 7W/651Lm	S² Spot	90+ CRI	D Dimming	B Black
HTL ¹ Halo	9051 9W/1021Lm	M³ Medium	27C 2700K	<i>Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible</i>	P White
LTL ² Lightolier	9052 14W/1462Lm	F Flood	3C 3000K		S Silver
	9053 20W/2123Lm	WF Wide Flood	35C 3500K		
	9059 29W/2740Lm		4C 4000K		
	9054 34W/3441Lm				

- Halo is a registered trademark of Cooper Lighting
- Lightolier is a registered trademark of Signify
- Spot Beam available only for CTL9050 Series
- Medium Beam not available for CTL9050 Series



The following CTL905 Series Models are eligible for SpeedShip
 CTL9050F3CD-B | CTL9052F3CD-B | CTL9053F3CD-B
 CTL9050F3CD-P | CTL9052F3CD-P | CTL9053F3CD-P

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	CTL9050	CTL9051/CTL9052	CTL9053	CTL9059/CTL9054
	CTL9050 FA-91S CTL9051/CTL9052 FA-91M CTL9053 FA-91L CTL9059/CTL9054 FA-91XL	CTL9050 FA-92S CTL9051/CTL9052 FA-92M CTL9053 FA-92L CTL9059/CTL9054 FA-92XL	CTL9050 BD9S CTL9051/CTL9052 BD9M	

SNOOTS Black (B) or White (P) Finish	CTL9050	CTL9051/CTL9052	CTL9053	CTL9059/CTL9054
	CTL9050 FA-91S CTL9051/CTL9052 FA-91M CTL9053 FA-91L CTL9059/CTL9054 FA-91XL	CTL9050 FA-92S CTL9051/CTL9052 FA-92M CTL9053 FA-92L CTL9059/CTL9054 FA-92XL	CTL9050 BD9S CTL9051/CTL9052 BD9M	

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.	Lens	Finish	Size
	LF16	73 Spread LS Linear SL Soft Light SOL Solite UV Optivex UV Filter	A Amber B Blue CL Clear DPE Dichroic Peach G Green LB Light Blue R Red RO Rose Y Yellow

Example Order: LF16-UV 42MM

CTL905 SERIES | Eclipse Curve Track Luminaires

PRODUCT SPECIFICATIONS

CONSTRUCTION

- 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

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

FIXTURE COMPATIBILITY

- Standard ConTech track luminaires (CTL Units) are cCSAus certified as-is for use with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno® Lighting Trac-Master™ Systems.
- By changing the prefix of the part number, ConTech can install inserts which make our fixtures compatible with other manufacturers. Replace "CTL" with "HTL" for Halo® Power-Trac and Lazer-Track systems, and "LTL" for Lightolier Lytespan™ systems. For more information, 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	IlumaTech	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

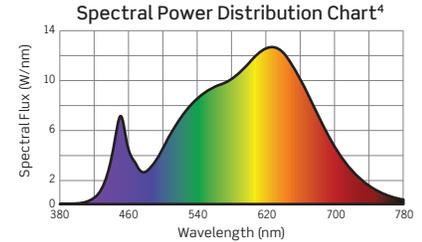
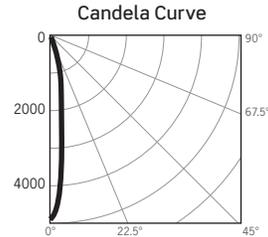
CTL9050 SERIES 7W LUMINAIRE

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

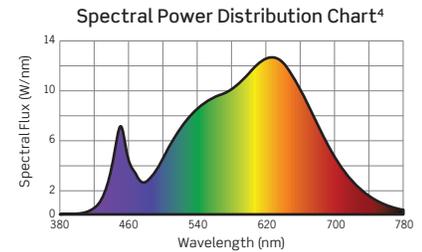
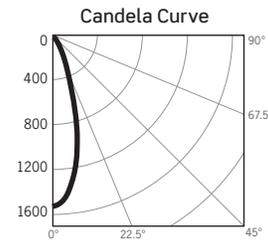


CTL9050: 3000K FLOOD

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

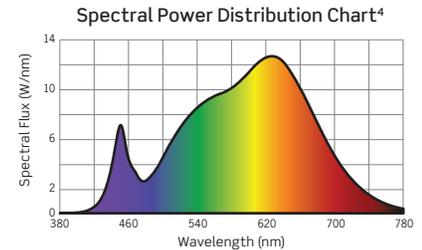
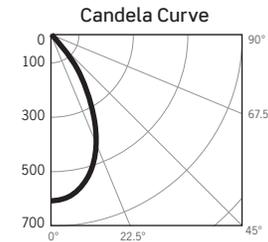


CTL9050: 3000K WIDE FLOOD

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%

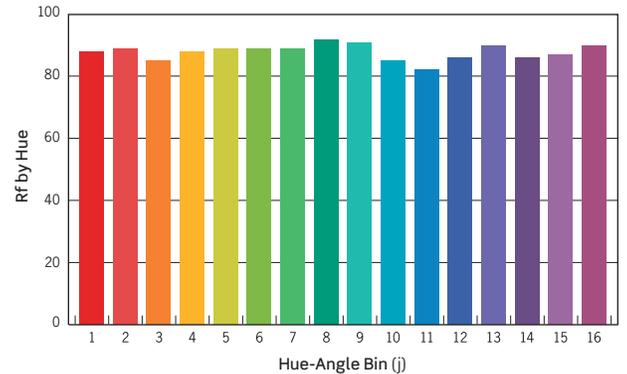
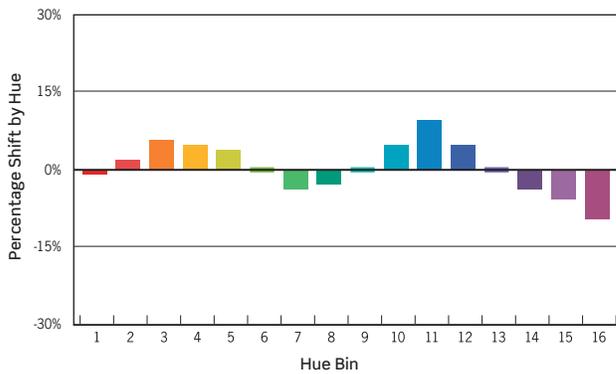
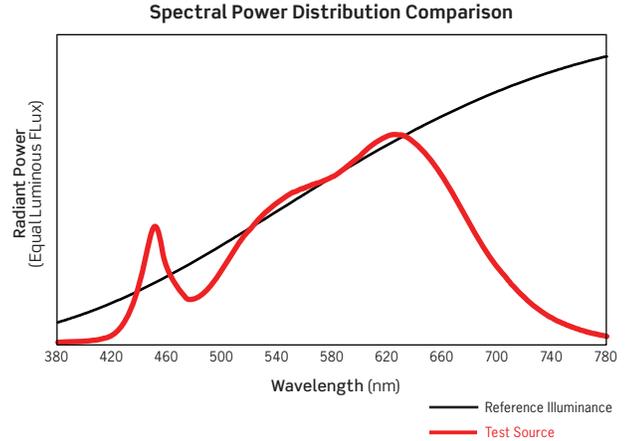
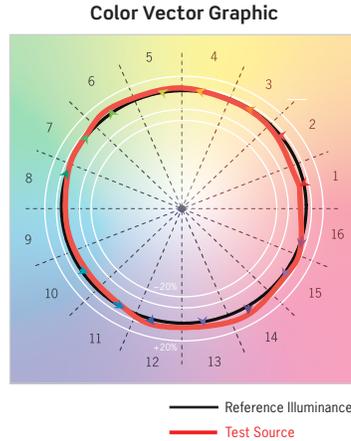
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for 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

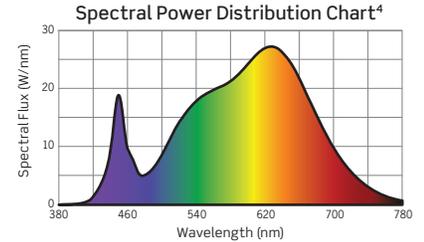
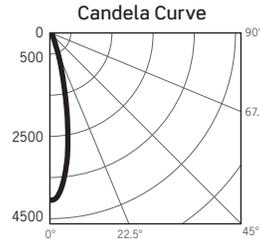
CTL9051 SERIES 9W LUMINAIRE

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

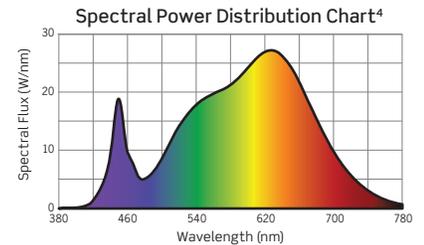
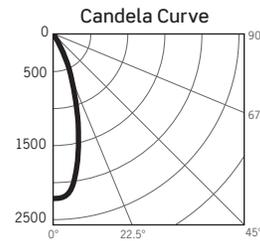


CTL9051: 3000K FLOOD

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

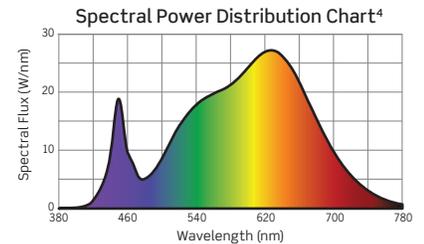
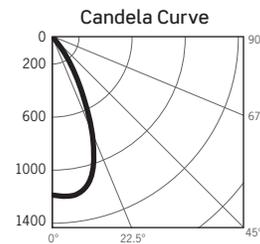


CTL9051: 3000K WIDE FLOOD

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

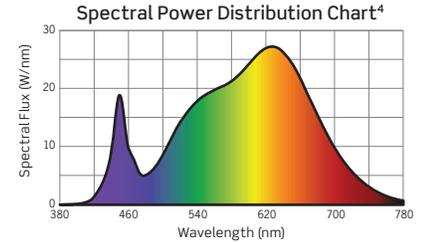
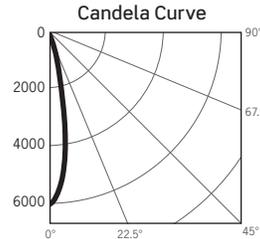
CTL9052 SERIES 14W LUMINAIRE

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

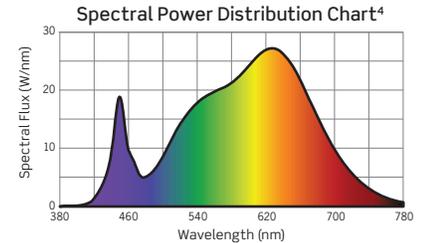
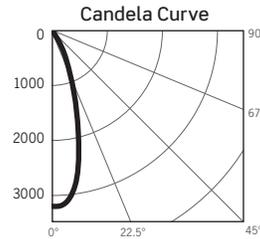


CTL9052: 3000K FLOOD

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

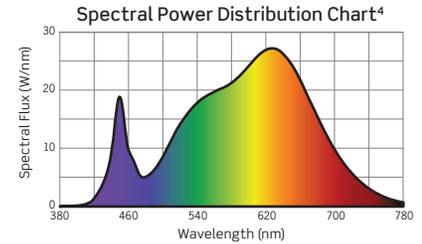
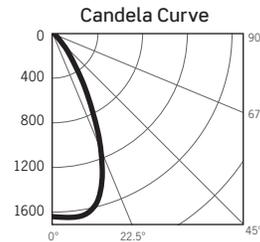


CTL9052: 3000K WIDE FLOOD

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%

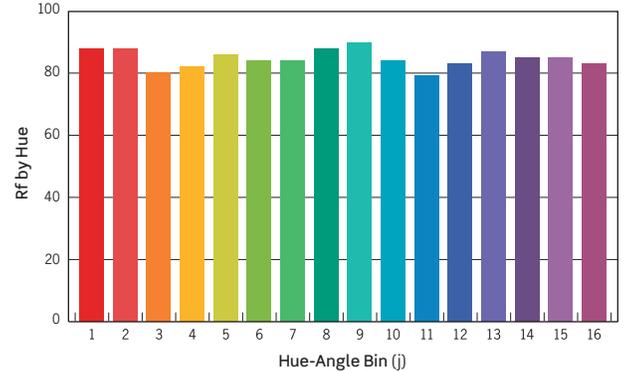
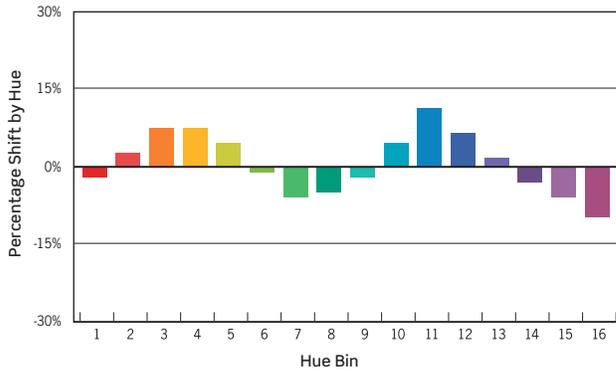
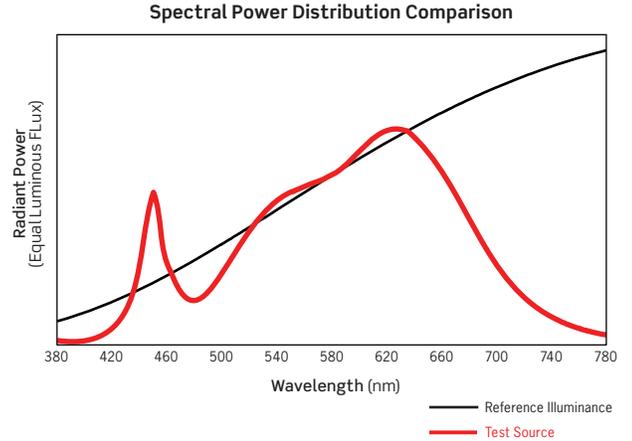
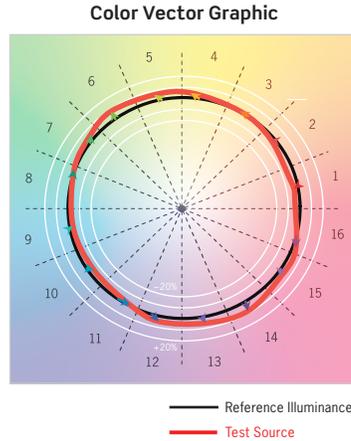
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for 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^i	0.2478
v^i	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

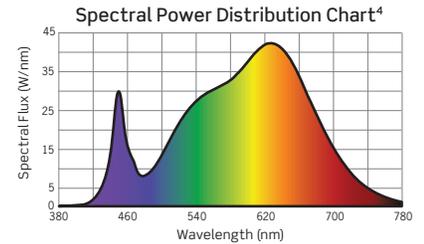
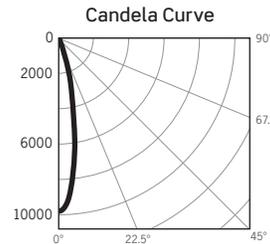
CTL9053 SERIES 20W LUMINAIRE

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

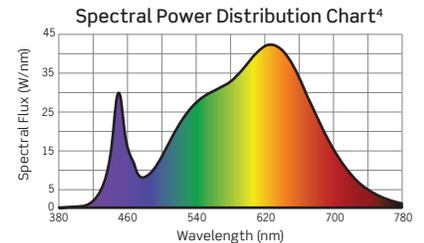
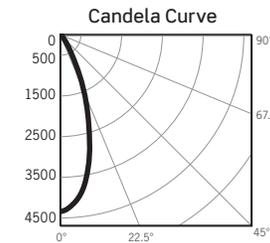


CTL9053: 3000K FLOOD

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

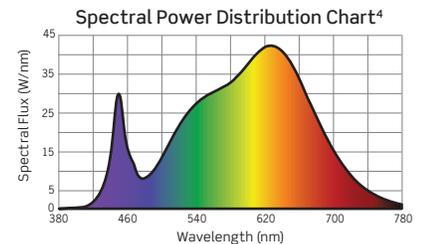
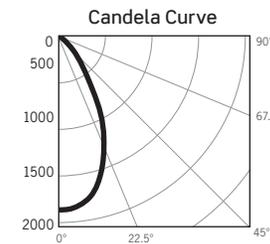


CTL9053: 3000K WIDE FLOOD

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%

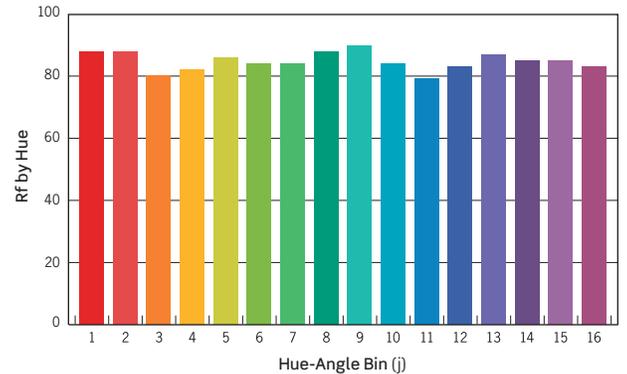
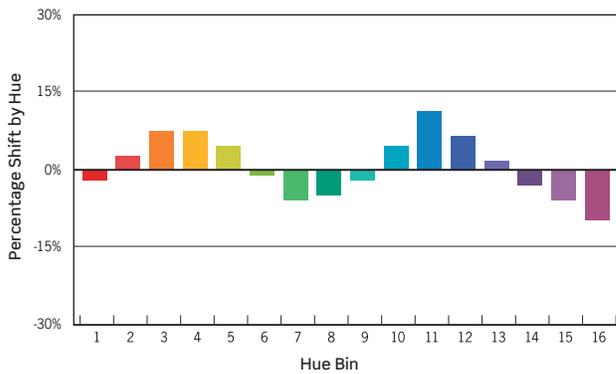
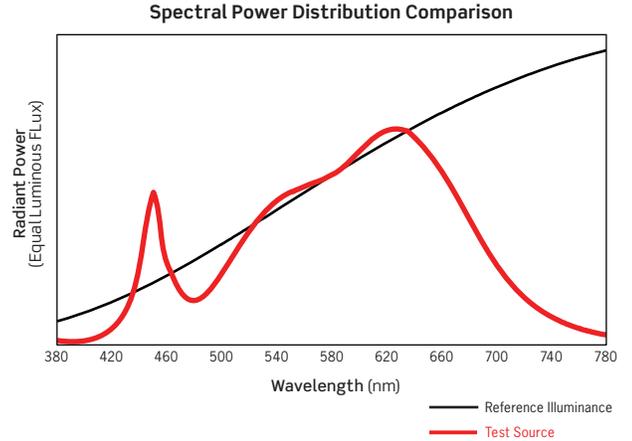
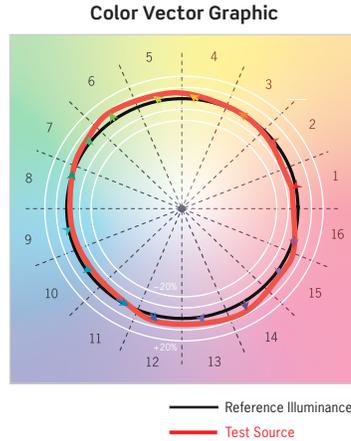
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for 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

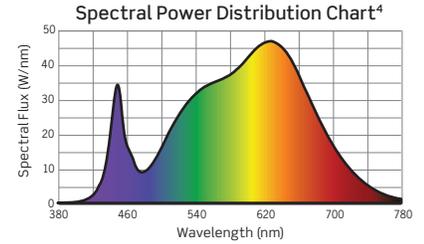
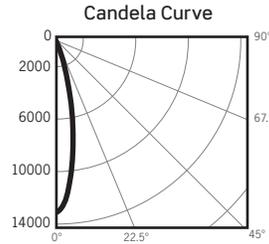
CTL9059 SERIES 29W LUMINAIRE

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

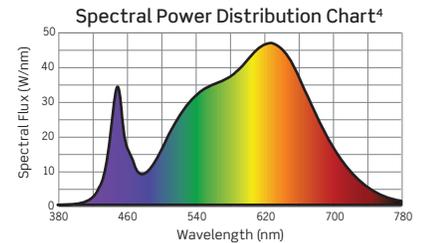
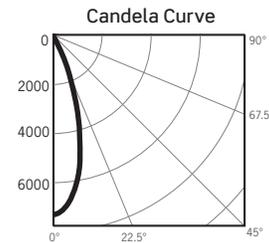


CTL9059: 3000K FLOOD

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

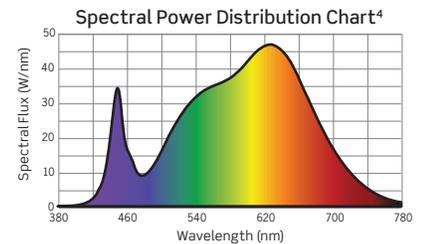
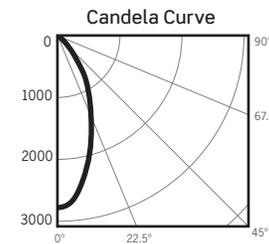


CTL9059: 3000K WIDE FLOOD

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%

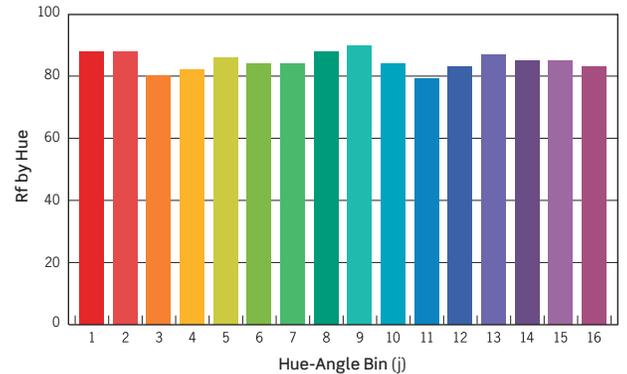
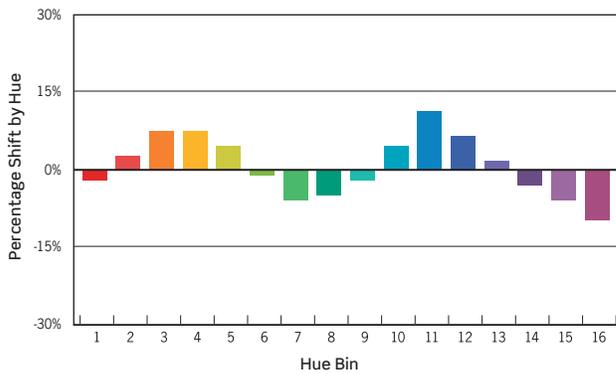
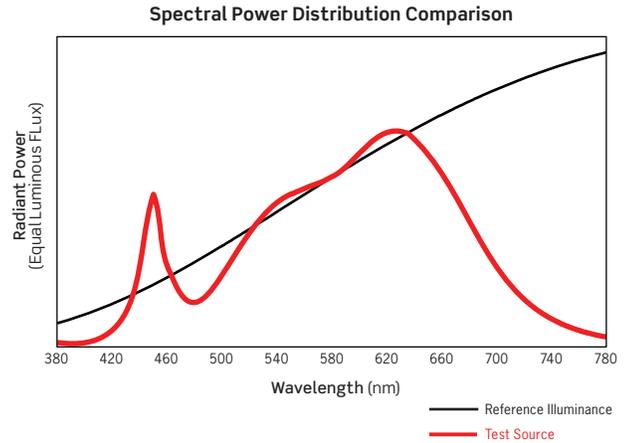
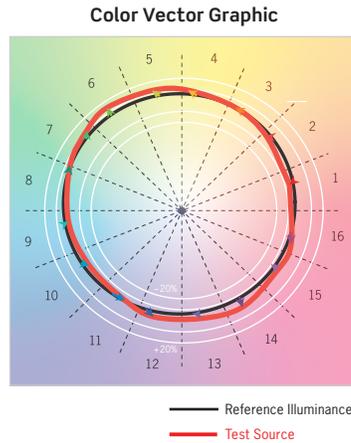
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for CTL9059: 3000K, WIDE 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

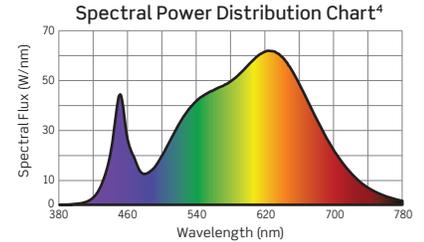
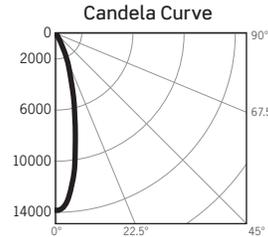
CTL9054 SERIES 34W LUMINAIRE

CTL9054: 3000K SPOT

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

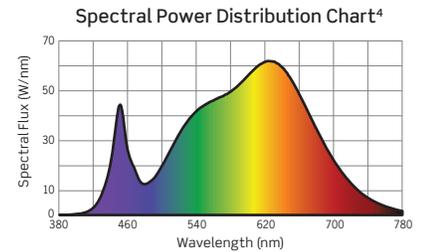
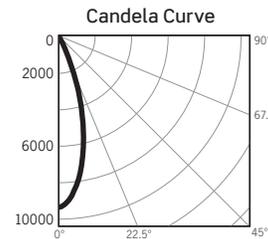


CTL9054: 3000K FLOOD

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

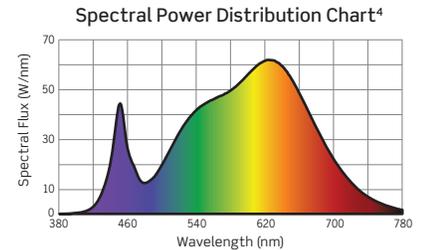
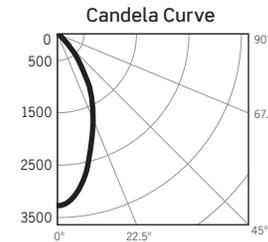


CTL9054: 3000K WIDE FLOOD

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%

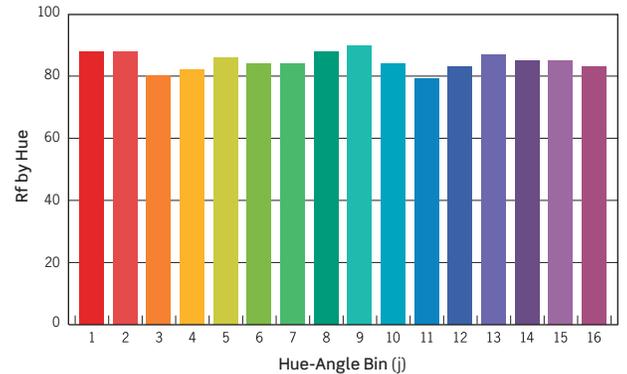
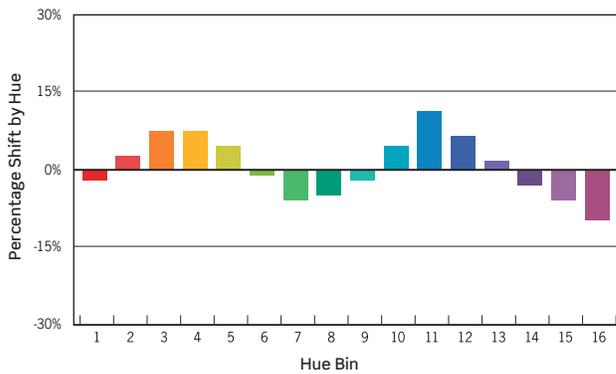
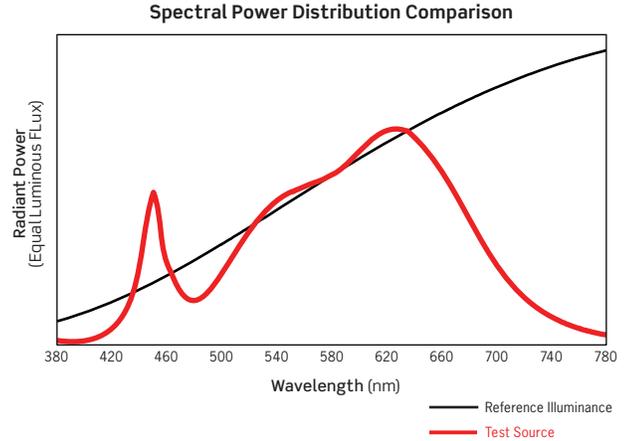
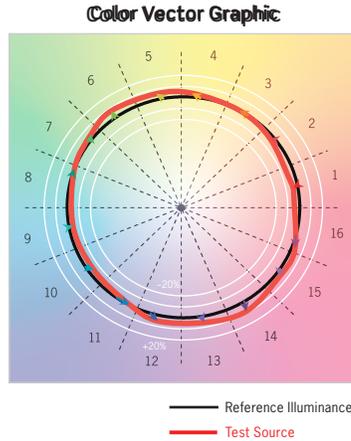
ELV (Reverse Phase) Dimming Options			
Manufacturer	Product	Model	Light Output
Leviton	Decora Slide	DSE06-10Z	3%–100%
Leviton	IllumaTech	IPE04-1LZ	8%–100%

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA for 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