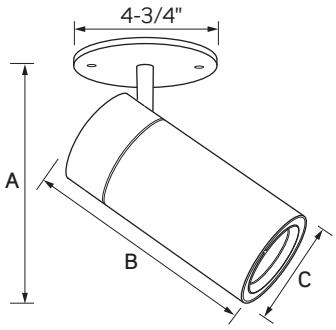
LEVITON | ConTech

DATE PROJECT

TYPE CATALOG NO.

CTL905*MP SERIES | Eclipse Curve Mono-Point Luminaires



	A		B	C
	Min	Max	Body	Diameter
CTL9050	3-3/8"	5-1/8"	4-1/8"	2-3/8"
CTL9051	3-3/4"	5-5/8"	4-13/16"	2-3/8"
CTL9052	3-3/4"	5-5/8"	4-13/16"	2-3/4"
CTL9053	4-7/16"	7-1/8"	6-1/16"	3-5/16"
CTL9059	5"	8"	6-13/16"	3-15/16"
CTL9054	5"	8"	6-13/16"	3-15/16"

cETLus Listed | Warm Dim | DLC Listed | Declare Compliant | T24 Compliant

	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, Warm Dim (3000K to 2000K; CTL9052 Only)					
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					
MOUNTING	Mono-Point (MP)					
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

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CTL905*MP SERIES | Eclipse Curve Mono-Point Luminaires

ORDERING INFORMATION

Example Order: CTL9050MPF3CD-P

	MP				—	
Luminaire	**Mounting**	**Beam**	**Color Temp/CRI**	**Dimming Option**		**Finish**
CTL9050 7W/651Lm **CTL9051** 9W/1021Lm **CTL9052** 14W/1462Lm **CTL9053** 20W/2123Lm **CTL9059** 29W/2740Lm **CTL9054** 34W/3441Lm	**MP** Mono-Point	**S**[2] Spot **M**[3] Medium **F** Flood **WF** Wide Flood **WD**[4] 3000K to 2000K	*90+ CRI* **27C** 2700K **3C** 3000K **35C** 3500K **4C** 4000K	**D** Dimming *Incandescent (Forward Phase) and ELV (Reverse Phase) Compatible*		**B** Black **P** White **S** Silver

2. Spot Beam available only for CTL9050 Series
3. Medium Beam not available for CTL9050 Series
4. Warm Dim available only for CTL9052 Series, Black and White Finishes only

REPLACEMENT OPTIC ORDERING INFORMATION

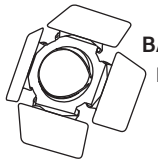
Optics are interchangeable and can be field replaced; only upon the same size fixture, not between fixture sizes

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

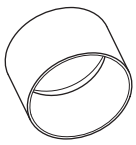
ACCESSORY HOLDERS
Black (B) or White (P) Finish; Includes Honeycomb Louver

	—	
		Finish
CTL9050 FA-91S **CTL9051/CTL9052** FA-91M **CTL9053** FA-91L **CTL9059/CTL9054** FA-91XL		**B** Black **P** White



BARN DOORS
Black (B) Finish

CTL9050 BD9S **CTL9051/CTL9052** BD9M



SNOOTS
Black (B) or White (P) Finish

	—	
		P
CTL9050 FA-92S **CTL9051/CTL9052** FA-92M **CTL9053** FA-92L **CTL9059/CTL9054** FA-92XL		**Finish** **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 *1-5/8-In. Diameter Lenses* **CTL9051/CTL9052** No MM Required *2-In. Diameter Lenses* **CTL9053** 60MM *2-3/8-In. Diameter Lenses* **CTL9059/CTL9054** 75MM *2-15/16-In. Diameter Lenses*

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CTL905*MP SERIES | Eclipse Curve Mono-Point Luminaires

PRODUCT SPECIFICATIONS

CONSTRUCTION

- Constructed of extruded and machined aluminum
- Heatsink and Integrated Driver Housing for a sleek modern look
- Light engine consists of a single, high lumen output multi-chip LED array

PERFORMANCE SUMMARY

- 2700K, 3000K, 3500K and 4000K color temperatures; high CRI of 90+
- Warm Dim option available for CTL9052 (14W) Series in Black and White finishes. Light that warms as it dims: CCT shifts from 3000K to 2000K as dimmed from 100% to 3% output.
- Excellent fixture-to-fixture color consistency within a 4-step MacAdam Ellipse tolerance
- Incandescent (Forward Phase) and ELV (Reverse Phase) compatible dimming; see photometric pages for compatible dimmers
- Beams are produced using molded TIR optics; each engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Optics are interchangeable and can be field replaced, only upon the same size fixture, not between fixture sizes

MOUNTING

- The Eclipse Cylinder Mono-Point (MP) allows for precision aiming adjustment; 315° horizontal rotation and 90° vertical tilt

Declare.

ConTech Curve Luminaires
ConTech Lighting

Final Assembly: Northbrook, Illinois, USA
Life Expectancy: 5 Year(s)
End of Life Options: Landfill (100%)

Ingredients:

Luminaire housing,front ring, back ring,joint,screw: Aluminum; Iron; 1,3-Isobenzofurandione, polymer with 2,5-furandione and 2,2'-oxybis[ethanol]; **Electrical driver:** Small Electrical Components- RoHS Compliant[1]; **Track connector:** Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; Copper; **Wires (UL3122):** Copper; Isoprene; **Optic:** Polymethyl methacrylate; **LED bracket:** Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; **Light Emitting Diode:** Copper; Small Electrical Components- RoHS Compliant[1]

[1]LBC Temp Exception RL-002 - Small Electrical Components

Living Building Challenge Criteria: Compliant

I-13 Red List:
☐ LBC Red List Free
■ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

CNT-0003
EXP. 01 OCT 2025
Original Issue Date: 2023

INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

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.

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TYPE CATALOG NO.

CTL905 SERIES | Eclipse Curve Luminaire Photometrics

PHOTOMETRIC DATA: CTL9050 SERIES 7W LUMINAIRE

CTL9050: 3000K SPOT

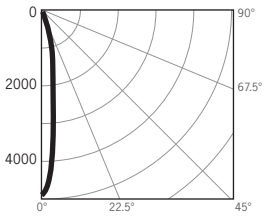
LM-63 Test No. G19103003; LM-79 Test No. S21012801

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 Life[3]

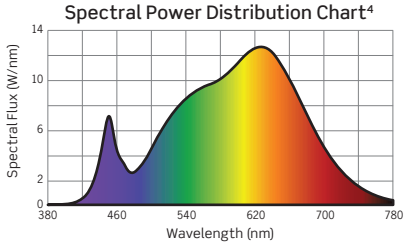
Intensity Distribution

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

Candela Curve



Spectral Power Distribution Chart[4]



CTL9050: 3000K FLOOD

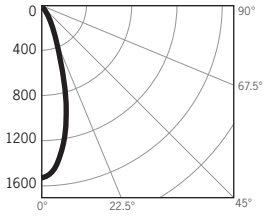
LM-63 Test No. G19103001; LM-79 Test No. S21012801

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 Life[3]

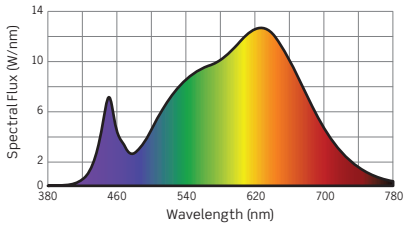
Intensity Distribution

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

Candela Curve



Spectral Power Distribution Chart[4]



CTL9050: 3000K WIDE FLOOD

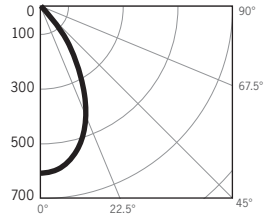
LM-63 Test No. G19103002; LM-79 Test No. S21012801

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 Life[3]

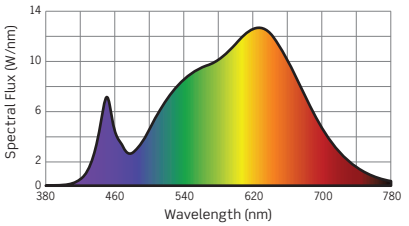
Intensity Distribution

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

Candela Curve



Spectral Power Distribution Chart[4]



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%

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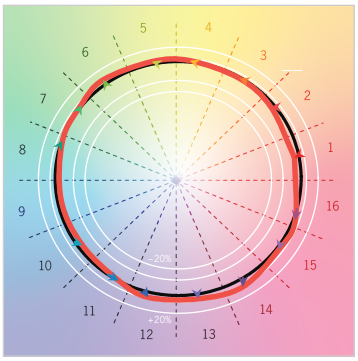
CTL905 SERIES | Eclipse Curve Luminaire Photometrics

TM-30 DATA: CTL9050 3000K, FLOOD BEAM

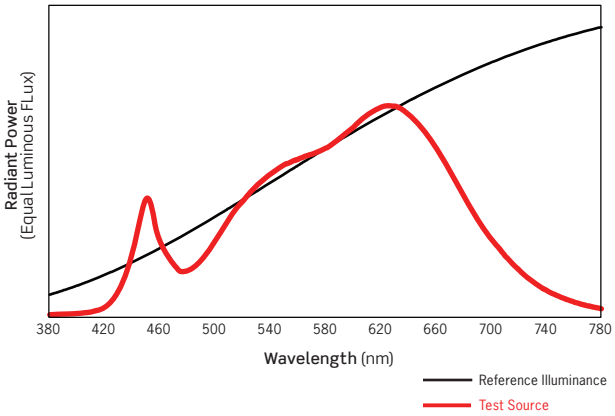
ANSI/IES TM-30-18 Color Rendition Report Test No. S21012801

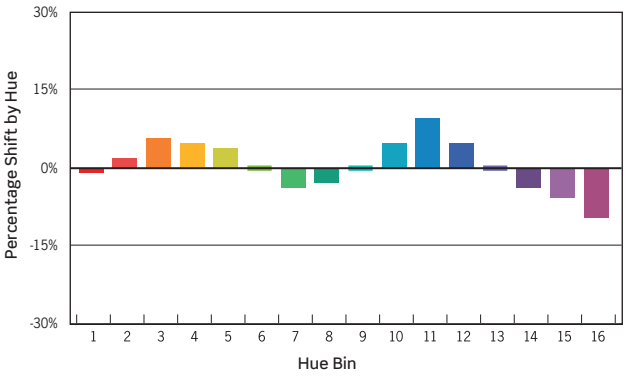
R_f	91
R_g	101
CCT(K)	3145K
D_{uv}	0.0010
u'	0.2453
v'	0.5198

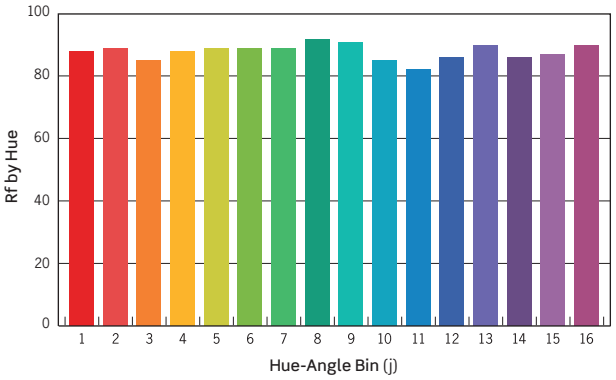
Color Vector Graphic



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

Colors are for visual orientation purposes only

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