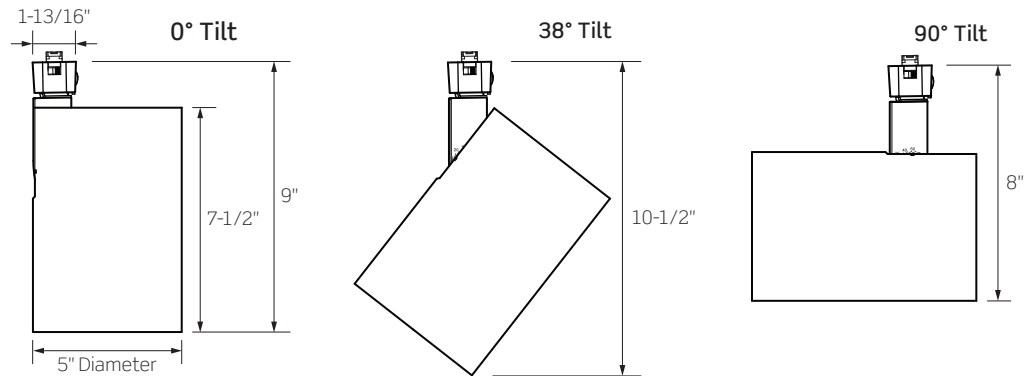


CTL94 SERIES | Gallery XL Track Luminaire with Warm Dim LED



High performance track luminaire delivering high outputs and superior beam control

- Clean aesthetics, simple form
- Multiple beam distributions
- Delivering up to 2400 Lumens
- Warm Dim LED: Light that warms as it Dims, 3000K to 1800K



	CTL940	CTL943
WATTAGE	13W	35W
LUMEN OUTPUT ¹ BY BEAM SPREAD Beam Range: 8° to 50°		
Very Narrow Spot Optic	578Lm	N/A
Narrow Spot Optic	N/A	1209 Lm
Spot Reflector	864 Lm	2032 Lm
Medium Reflector	855 Lm	2291 Lm
Flood Reflector	894 Lm	2374 Lm
Wide Flood Reflector	884 Lm	2372 Lm
COLOR TEMPERATURE	3000K to 1800K (See Dimming Compatibility for low end CCT)	
CRI	90	
FINISHES	Matte Black / Matte White / Matte Silver	
DRIVER INPUT VOLTAGE	120V, 50/60Hz	
DIMMING TYPE	120V Forward/Reverse Phase Dimming Integrated Rotary Dimming Option	
COMPATIBILITY	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno ^{®2} Lighting Trac-Master™ Systems HTL Units are compatible with Halo ³ Power-Trac and Lazer Track Systems LTL Units are compatible with Lightolier ⁴ Lytespan® Systems	
LISTINGS	cCSAus Certified for use in the U.S. and Canada; Suitable for Dry Locations	
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. Juno is a registered trademark of Juno Lighting

3. Halo is a registered trademark of Cooper Lighting

4. Lightolier is a registered trademark of Philips Lighting

CTL94 SERIES | Gallery XL Track Luminaire with Warm Dim LED

ORDERING INFORMATION

Example Order: CTL940VNWDD-P

Track System	LED Series	Beam: Optic or Reflector	CCT/CRI	Driver	Finish
CTL ConTech HTL Halo LTL Lightolier	940 13W 943 35W	PC Optics Intensity at Nadir, Narrow Field VN ⁵ Very Narrow Spot: 8° Beam, 17° Field NS ⁶ Narrow Spot: 11° Beam, 22° Field	Reflector: Well Defined Beams, Smooth Field SP Spot: 11° Beam, 26° Field ME Medium: 22° Beam, 52° Field FL Flood: 41° Beam, 66° Field WF Wide Flood: 50° Beam, 83° Field	95 CRI WD Warm Dim 3000K to 1800K D 120V Forward/Reverse Phase Dimming DI ^{7,8} 120V Integrated Rotary Dimmer	B Matte Black P Matte White S Matte Silver

5. Very Narrow Spot (VN) only available for Series 0 (13W)

6. Narrow Spot (NS) only available for Series 3 (35W)

7. Integrated Dimmer Option (DI) should not be used if Track will be controlled by an alternate Dimmer

8. Integrated Dimmer Knob has a black finish

ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

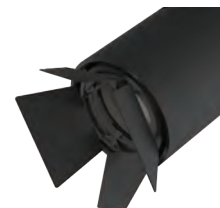
Each Gallery XL Luminaire comes ready to hold up to two (2) Accessories; Snoot or Barn Door count as one (1) piece



FA-94 Series
*Snoot with
 Optional Cross Blades*
 Exterior painted per finish
 selection: Black (B), White (P)
 or Silver (S). Interior and Cross
 Blades are always Black.



LA-45 Series
Honeycomb Louver
 3-3/4-Inch Diameter;
 Black finish



BD-94 Series
Barn Doors
 Black finish

Accessory
FA-94 Snoot with optional Cross Blades

Finish
B Matte Black P Matte White S Matte Silver

Accessory
LA-45 Black Honeycomb Louver

Accessory
BD94 Barn Doors

Finish
B Matte Black



LF20 Series
*Tempered Glass
 Filters and Lenses*
 3-3/4-Inch Diameter, 1/8-Inch Thick, typ.



CTL94NS
11° Narrow Spot



CTL94SP
11° Spot



CTL94ME
22° Medium



CTL94FL
41° Flood



CTL94WF
50° Wide Flood

Accessory
LF20 Tempered Glass Filters and Lenses

Finish
C Clear SL Soft Light SOL Solite LS Linear Spread 73 Spread UV Optivex UV A Amber B Blue LB Light Blue G Green R Red RO Rose Y Yellow

Replacement Optic and Reflectors
CTL94NS 11° Narrow Spot Optic Very Narrow Spot Optic not available as a replacement optic CTL94SP 11° Spot Reflector CTL94ME 24° Medium Reflector CTL94FL 42° Flood Reflector CTL94WF 51° Wide Flood Reflector

CTL94 SERIES | Gallery XL Track Luminaire with Warm Dim LED

PRODUCT SPECIFICATIONS

PERFORMANCE SUMMARY

- Light that Warms as it Dims
- CCT Range from 3000K to 1800K (3000K at full brightness to 1800K when dimmed), CRI of 90
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- Precise beam control ensures that even at lower aiming angles the luminaire is glare free and quiet in the ceiling
- Full collection of accessories available to produce a myriad of filtering and framing effects
- 120V Forward or Reverse Dimming is standard for all wattage options. For dimmer compatibility and performance, refer to the Dimming Specifications below.
- Integrated Rotary Dimmer option available; this option should not be used if Track System will be controlled by other dimmers

CONSTRUCTION

- A revolutionary track head with superior optics designed to bring theatre grade beam control to traditional gallery and commercial track heads and mono-point luminaires
- The luminaire is constructed of die-cast aluminum, the cylindrical body provides thermal management
- Adjustable, lockable aiming arm with 0° to 100° tilt for precision aiming; 365° horizontal rotation

- Precision engineered Dual Lens Optic is used for the 8° Very Narrow Spot and the 11° Narrow Spot beam distributions. Design provides a tight beam angle and field to highlight target objects with minimal stray illumination.
- Specular Aluminum Reflectors are used for the 11° Spot, 22° Medium, 41° Flood, and 50° Wide Flood beam distributions. Reflectors are optically engineered for even illumination and glare control.
- Can accept up to two (2) LF20 Lenses/Filters, LA-45 Honeycomb Louver, FA-94 Snoot, or BD94-B Black Barn Doors, ordered separately. Snoot or Barn Door count as one (1) piece.
- Integral ON/OFF switch and track polarity indicator are standard
- Fixture weight: 5 LBS

FIXTURE COMPATIBILITY

- Standard ConTech “CTL” track luminaires are cCSAus certified as-is for use with ConTech Lighting’s LT/LT2 Single Circuit/Two Circuit Track and Luxbeam Systems as well as Juno[®]1 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[®]2 Power-Trac and Lazer-Track systems, and “LTL” for Lightolier³ Lytespan[™] systems. For more information, please consult factory.

DIMMING SPECIFICATIONS

- Incandescent 120V AC 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 120V AC 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.

FORWARD/REVERSE PHASE COMPATIBLE DIMMERS

MANUFACTURER	PRODUCT	MODEL	LIGHT OUTPUT
Leviton	Vizia	VPE06	4%-100%
Leviton	Decora	6673-10W	11%-100%
Lutron	Ariadni	TGCL-153P	0%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Diva	DVELV303P	3%-100%
Lutron	Skylark	SELV300P	3%-100%
Lutron	Maestro	MAELV600	0%-100%
Lutron	Faetra	FAELV500	7%-100%
Lutron	Skylark C	SCL-153P	0%-100%
Lutron	Maestro C•L	MACL-153M	0%-99%
Lutron	RA2 Select	RRD-6CL	2%-98%

NOTES

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

CTL94 SERIES | Gallery XL Luminaire Warm Dim LED Photometry

CTL940VNWDD: 13W, 3000K, 90 CRI, VERY NARROW SPOT PC OPTIC

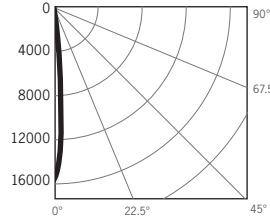
Test No. G22042503

Fixture Delivered Lumens: 577.6
Total Watts@120V: 13.6
Lumens Per Watt: 42.47
Center Beam Candle Power: 15623
Beam Distribution: 8.9°
Spacing Criterion: 0.15
Color Rendering Index (CRI)¹: 90.2
Color Temperature (CCT)²: 3021K
Designed for 50,000 Hour Lamp Life³

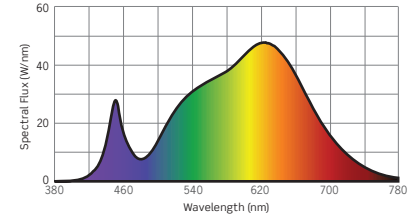
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	976.4	0.6
6 FT	434.0	0.9
8 FT	244.1	1.3
10 FT	156.2	1.6
12 FT	108.5	1.9
14 FT	79.7	2.2

Candela Curve



Spectral Power Distribution Chart⁴



CTL943NSWDD: 35W, 3000K, 90 CRI, NARROW SPOT PC OPTIC

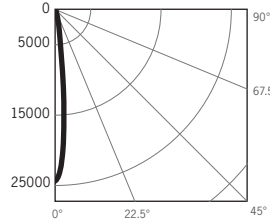
Test No. G22030101

Fixture Delivered Lumens: 1209.4
Total Watts@120V: 34.7
Lumens Per Watt: 34.9
Center Beam Candle Power: 24375
Beam Distribution: 11.7°
Spacing Criterion: 0.20
Color Rendering Index (CRI)¹: 90.2
Color Temperature (CCT)²: 3021K
Designed for 50,000 Hour Lamp Life³

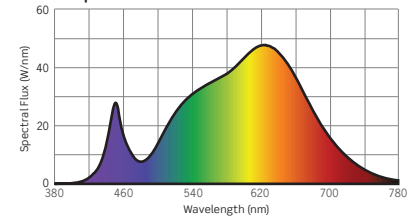
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	1523.4	0.8
6 FT	677.1	1.2
8 FT	380.9	1.6
10 FT	243.8	2.1
12 FT	169.3	2.5
14 FT	124.4	2.9

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

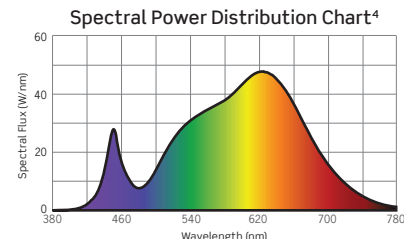
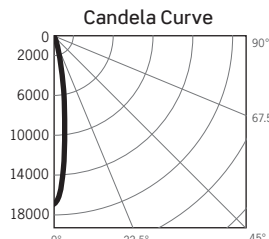
CTL94 SERIES | Gallery XL Luminaire Warm Dim LED Photometry

CTL943SPWDD: 35W, 3000K, 90 CRI, SPOT REFLECTOR

Test No. G22030102

Fixture Delivered Lumens: 2032.2
Total Watts@120V: 34.7
Lumens Per Watt: 58.57
Center Beam Candle Power: 16935
Beam Distribution: 14.8°
Spacing Criterion: 0.28
Color Rendering Index (CRI)¹: 90.2
Color Temperature (CCT)²: 3021K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	1058.4	1.0
6 FT	470.4	1.6
8 FT	264.6	2.1
10 FT	169.3	2.6
12 FT	117.6	3.1
14 FT	86.4	3.7

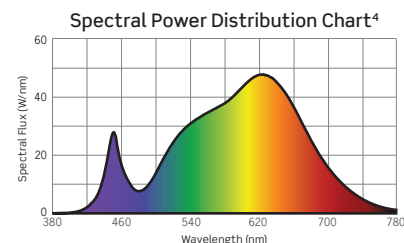
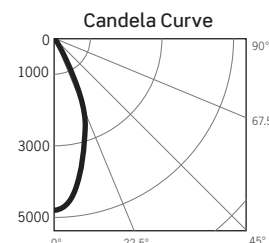


CTL943MEWDD: 35W, 3000K, 90 CRI, MEDIUM REFLECTOR

Test No. G22030103

Fixture Delivered Lumens: 2290.6
Total Watts@120V: 34.7
Lumens Per Watt: 66.0
Center Beam Candle Power: 7447
Beam Distribution: 26.1°
Spacing Criterion: 0.52
Color Rendering Index (CRI)¹: 90.2
Color Temperature (CCT)²: 3021K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	465.4	1.9
6 FT	206.9	2.8
8 FT	116.4	3.7
10 FT	74.5	4.6
12 FT	51.7	5.6
14 FT	38.0	6.5

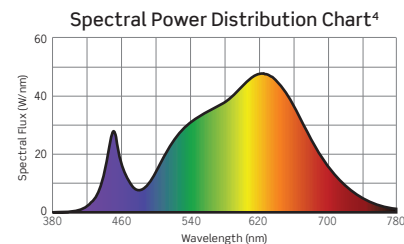
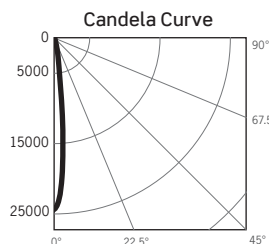


CTL943NSWDD: 35W, 3000K, 90 CRI, FLOOD REFLECTOR

Test No. G22030104

Fixture Delivered Lumens: 2374.1
Total Watts@120V: 34.7
Lumens Per Watt: 68.4
Center Beam Candle Power: 4784
Beam Distribution: 41.2°
Spacing Criterion: 0.66
Color Rendering Index (CRI)¹: 90.2
Color Temperature (CCT)²: 3021K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	299.0	3.0
6 FT	132.9	4.5
8 FT	74.7	6.0
10 FT	47.8	7.5
12 FT	33.2	9.0
14 FT	24.4	10.5

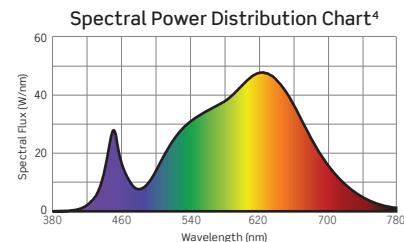
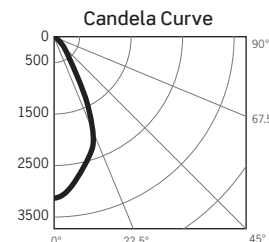


CTL943NSWDD: 35W, 3000K, 90 CRI, WIDE FLOOD REFLECTOR

Test No. G22030105

Fixture Delivered Lumens: 2372.4
Total Watts@120V: 34.7
Lumens Per Watt: 68.4
Center Beam Candle Power: 3128
Beam Distribution: 50.9°
Spacing Criterion: 0.76
Color Rendering Index (CRI)¹: 90.2
Color Temperature (CCT)²: 3021K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	195.5	3.8
6 FT	86.9	5.7
8 FT	48.9	7.6
10 FT	31.3	9.5
12 FT	21.7	11.4
14 FT	16.0	13.3



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 Luminaire Wattage/Output. To estimate lumen output of the various options, multiply the results by the following:

REFLECTOR OUTPUT MULTIPLIERS	
13W	35W
0.48	1.00

CTL94 SERIES

| Gallery XL Luminaire Warm Dim LED Photometry

TM-30 DATA: CTL943MEWDD - AT FULL BRIGHTNESS

ANSI/IES TM-30-18 Color Rendition Report Test No. S22030101

Colors are for visual orientation purposes only

