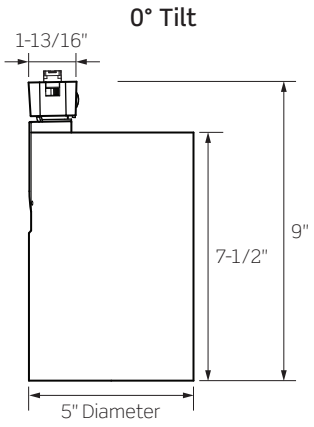
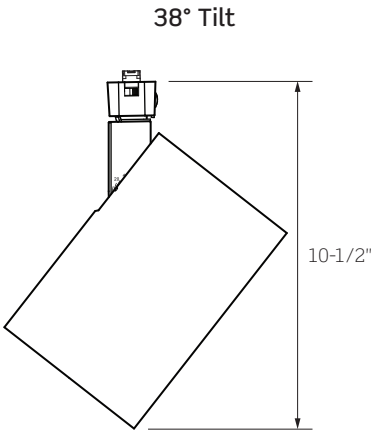
CONTECH LIGHTING | a LEVITON company

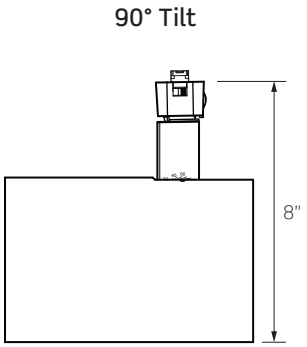
CATALOG NO.

DATE PROJECT TYPE

CTL94 SERIES | Gallery XL Track Luminaire, Warm Dim LED







	CTL940	CTL943
WATTAGE	13W	35W
LUMEN OUTPUT[1] BY BEAM SPREAD *Beam Range: 10° to 51°*		
Very Narrow Spot Optic	508Lm	N/A
Narrow Spot Optic	N/A	1209 Lm
Medium Reflector	771 Lm	2291 Lm
Flood Reflector	894 Lm	2374 Lm
Wide Flood Reflector	884 Lm	2372 Lm
COLOR TEMPERATURE	3000K – 1800K	
CRI	90	
FINISHES	Matte Black, Matte White, Matte Silver	
DRIVER INPUT VOLTAGE	120V, 50/60Hz	
DIMMIMG TYPE	120V TRIAC/ELV Dimming	
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 **ENERGY STAR®** Certified for all models using Medium, Flood, and Wide Flood Reflectors	
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

CONTECH LIGHTING | a LEVITON company

CATALOG NO.

DATE PROJECT TYPE

CTL94 SERIES | Gallery XL Track Luminaire, Warm Dim LED

ORDERING INFORMATION

Example Order: CTL940VNWDD – P

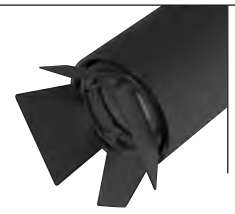
			WD	D	—	
Track System	**LED Series**	**Beam: Optic or Reflector**	**Color Temp/CRI**	**Driver**		**Finish**
CTL - ConTech **HTL** - Halo **LTL** - Lightolier	**940** - 13W **943** - 35W	**PC Optics:** Intensity at Nadir, Narrow Field **VN**[1] - Very Narrow Spot: 10° Beam, 18° Field **NS**[2] - Narrow Spot: 13° Beam, 22° Field 1. Very Narrow Spot (VN) only available for Series 0 (13W) 2. Narrow Spot (NS) only available for Series 3 (38W) **Reflectors:** Well Defined Beams, Smooth Field **ME** - Medium: 24° Beam, 54° Field **FL** - Flood: 42° Beam, 64° Field **WF** - Wide Flood: 51° Beam, 83° Field	*90 CRI* **WD** - Warm Dim 3000K to 1800K	**D** - 120V TRIAC/ELV		**B** - Matte Black **P** - Matte White **S** - Matte Silver

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-(B,P,S) - Snoot with optional Cross Blades
Exterior painted per finish [Black (B), White (P) or Silver (S)], interior and blades are always Black

LA-45 - 3-3/4–Inch Diameter Black Honeycomb Louver



BD94-B - Black Barn Doors

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

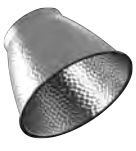
**Color/Pattern Legend*
-73 (Spread Lens), **-LS** (Linear Spread Lens), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter), **-A** (Amber), **-B** (Blue), **-CL** (Clear), **-DPE** (Dichroic Peach), **-G** (Green), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow)

Replacement Optics

Very Narrow Spot Optic not available as a replacement optic

CTL94NS - 13° Narrow Spot Optic
CTL94ME - 24° Medium Reflector
CTL94FL - 42° Flood Reflector
CTL94WF - 51° Wide Flood Reflector

CTL94NS
13° Narrow Spot



CTL94ME
24° Medium

CTL94FL
42° Flood

CTL94WF
51° Wide Flood

CONTECH LIGHTING | a LEVITON company

CATALOG NO.

DATE PROJECT TYPE

CTL94 SERIES | Gallery XL Track Luminaire, Warm Dim LED

PRODUCT DETAILS

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 luminaries
- 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 used for Very Narrow Spot (VN) and Narrow Spot (NS) beam distributions. Design provides a tight beam angle and field to highlight target objects with mimimal stray illumination.
- Specular Aluminum Reflectors used for 24° Medium, 42° Flood, and 51° Wide Flood beam distributions. 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

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 to produce a myriad of filtering and framing effects
- 120V TRIAC/ELV Dimming is standard for all wattage options. For dimmer compatibility and performance, refer to Dimming Specification sheet.

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®[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 Lightolier[3] Lytespan™ systems. For more information, please consult factory.

CONTECH LIGHTING | a LEVITON company

CATALOG NO.

DATE PROJECT TYPE

CTL94*WD SERIES | Gallery XL Luminaire Warm Dim LED Photometrics

ALUMINUM REFLECTOR | MEDIUM

CTL940MEWDD

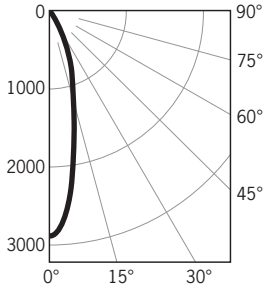
Fixture Delivered Lumens: 855.5
Total Watts@120V: 13.6
Lumens Per Watt: 62.9
Center Beam Candle Power: 2881
Beam Distribution: 24.9°
Field Distribution: 55.7°
Spacing Criterion: 0.50
Color Rendering Index (CRI)[1]: 90.2
Color Temperature (CCT)[2]: 3021K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22042505
LM-79 Test No. S22030101

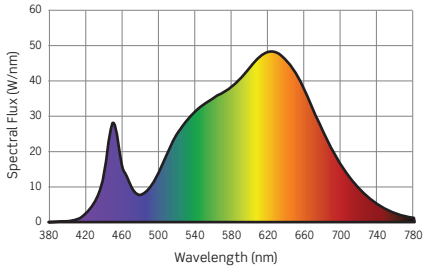
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	80.0	2.7
8 FT	45.0	3.5
10 FT	28.8	4.4
12 FT	20.0	5.3
14 FT	14.7	6.2
16 FT	11.3	7.1

Candela Curve



Spectral Power Distribution Chart[4]



ALUMINUM REFLECTOR | FLOOD

CTL940FLWDD

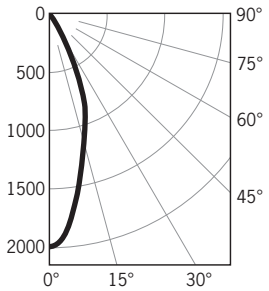
Fixture Delivered Lumens: 894.4
Total Watts@120V: 13.6
Lumens Per Watt: 65.8
Center Beam Candle Power: 1999
Beam Distribution: 36.3°
Field Distribution: 65.2°
Spacing Criterion: 0.64
Color Rendering Index (CRI)[1]: 90.2
Color Temperature (CCT)[2]: 3021K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22042506
LM-79 Test No. S22030101

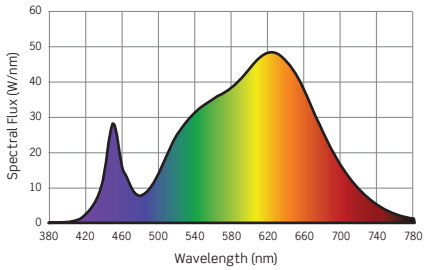
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	55.5	3.9
8 FT	31.2	5.3
10 FT	20.0	6.6
12 FT	13.9	7.9
14 FT	10.2	9.2
16 FT	7.8	10.5

Candela Curve



Spectral Power Distribution Chart[4]



ALUMINUM REFLECTOR | WIDE FLOOD

CTL940WFWDD

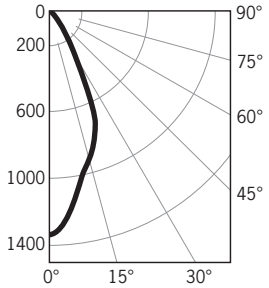
Fixture Delivered Lumens: 844.2
Total Watts@120V: 13.6
Lumens Per Watt: 65.0
Center Beam Candle Power: 1331
Beam Distribution: 48.2°
Field Distribution: 80.7°
Spacing Criterion: 0.73
Color Rendering Index (CRI)[1]: 90.2
Color Temperature (CCT)[2]: 3021K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22042601
LM-79 Test No. S22030101

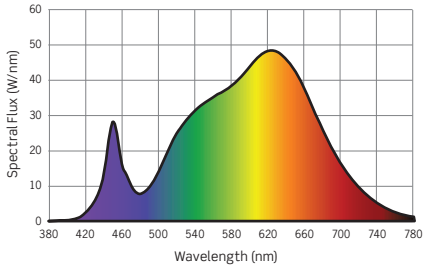
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	37.0	5.4
8 FT	20.8	7.2
10 FT	13.3	8.9
12 FT	9.2	10.7
14 FT	6.8	12.5
16 FT	5.2	14.3

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

CONTECH LIGHTING | a LEVITON company

CATALOG NO.

DATE PROJECT TYPE

CTL94*WD SERIES | Gallery XL Luminaire Warm Dim LED Photometrics

ALUMINUM REFLECTOR | MEDIUM

CTL943MEWDD

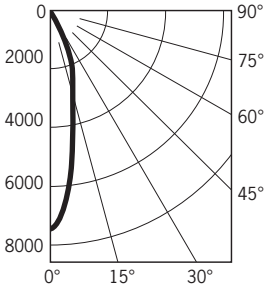
Fixture Delivered Lumens: 2290.6
Total Watts@120V: 34.7
Lumens Per Watt: 66.0
Center Beam Candle Power: 7447
Beam Distribution: 26.1°
Field Distribution: 55.9°
Spacing Criterion: 0.20
Color Rendering Index (CRI)[1]: 90.2
Color Temperature (CCT)[2]: 3021K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22030103
LM-79 Test No. S22030101

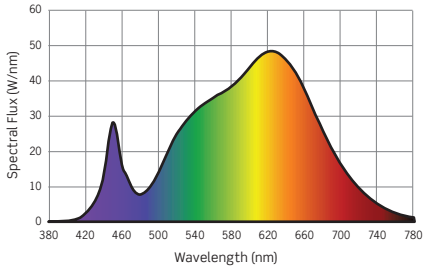
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
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
16 FT	29.1	7.4

Candela Curve



Spectral Power Distribution Chart[4]



ALUMINUM REFLECTOR | FLOOD

CTL943FLWDD

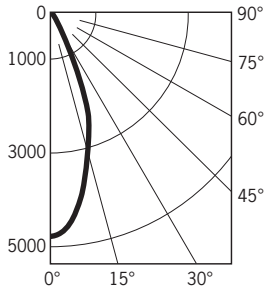
Fixture Delivered Lumens: 2374.1
Total Watts@120V: 34.7
Lumens Per Watt: 68.4
Center Beam Candle Power: 4784
Beam Distribution: 41.2°
Field Distribution: 66.6
Spacing Criterion: 0.28
Color Rendering Index (CRI)[1]: 90.2
Color Temperature (CCT)[2]: 3021K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22030104
LM-79 Test No. S22030101

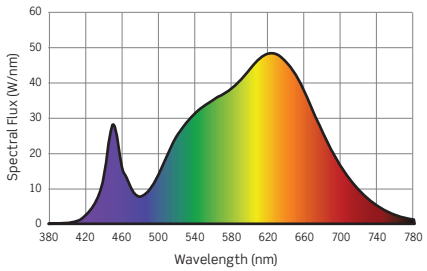
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
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
16 FT	18.7	12.0

Candela Curve



Spectral Power Distribution Chart[4]



ALUMINUM REFLECTOR | WIDE FLOOD

CTL943WFWDD

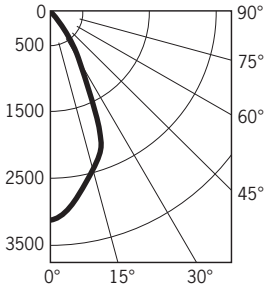
Fixture Delivered Lumens: 2372.4
Total Watts@120V: 34.7
Lumens Per Watt: 68.4
Center Beam Candle Power: 3128
Beam Distribution: 50.9°
Field Distribution: 84.0°
Spacing Criterion: 0.76
Color Rendering Index (CRI)[1]: 90.2
Color Temperature (CCT)[2]: 3021K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22030105
LM-79 Test No. S22030101

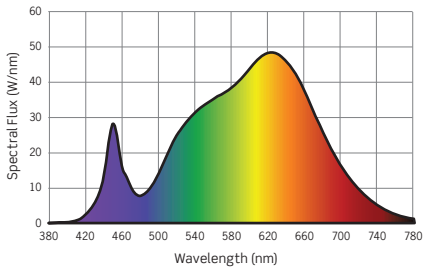
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
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
16 FT	12.2	15.2

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

CONTECH LIGHTING | a LEVITON company

CATALOG NO.

DATE PROJECT TYPE

CTL94*WD SERIES | Gallery XL Luminaire Warm Dim LED Photometrics

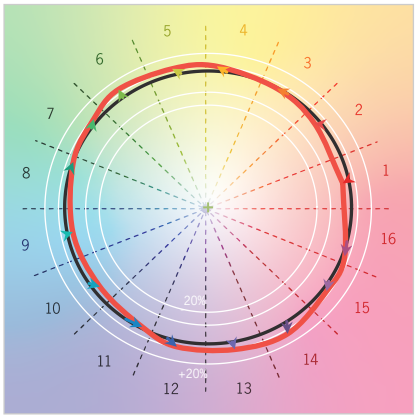
TM-30 DATA: CTL945ME3KD

ANSI/IES TM-30-18 Color Rendition Report Test No. S22031501

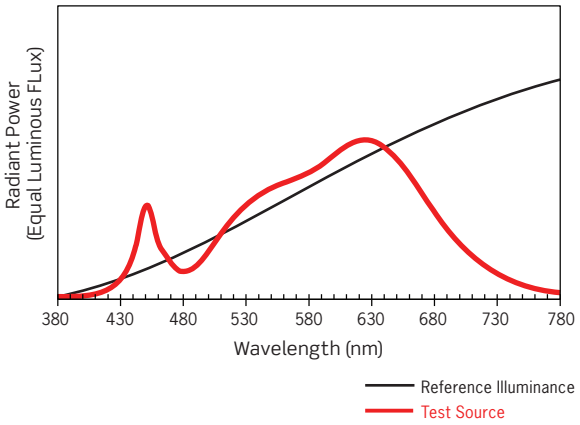
Colors are for visual orientation purposes only

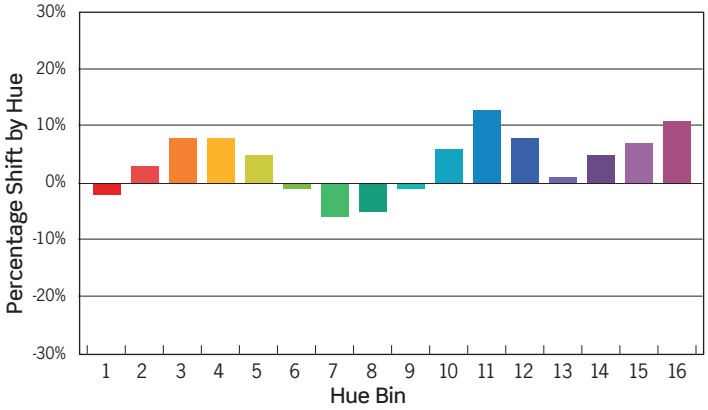
R_f	89
R_g	102
CCT(K)	3021K
D_{uv}	-0.0009
u'	0.2502
v'	0.5198

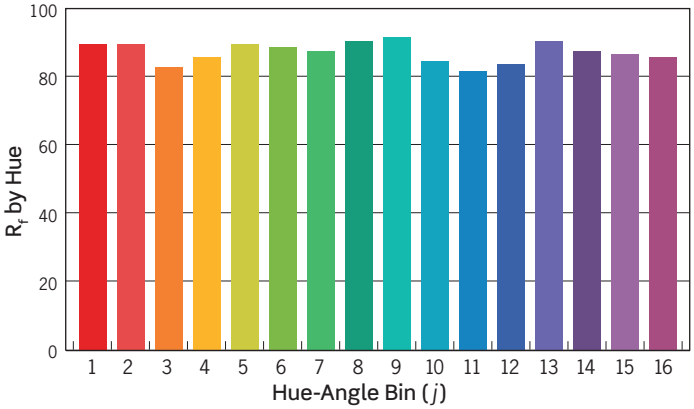
Color Vector Graphic



Spectral Power Distribution Comparison







HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-2%	3%	8%	8%	5%	-1%	-6%	-5%	-1%	6%	13%	82%	1%	-5%	-7%	-11%
R_f VALUE	91	91	84	87	91	90	89	92	93	86	83	85	92	89	88	87

CONTECH LIGHTING | a LEVITON company

CATALOG NO.

DATE PROJECT TYPE

CTL94 & NCTL94 SERIES | Gallery XL LED Track Luminaire: 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.

			TRIAC/ELV DIMMING
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	Faedra	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.