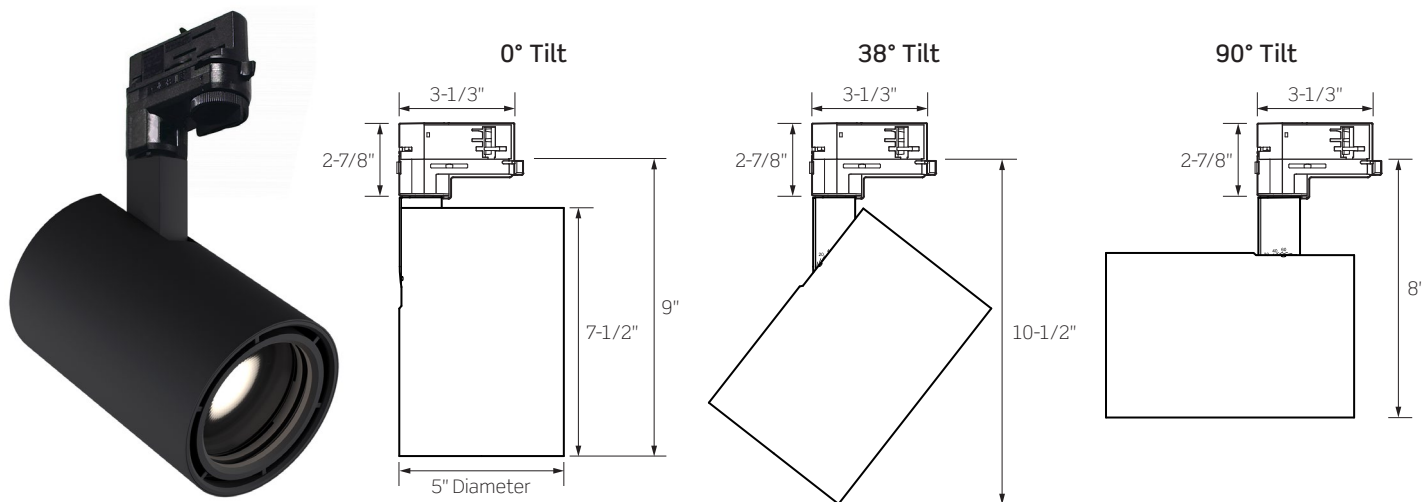


DATE

PROJECT

TYPE

NCTL94 SERIES | Gallery XL Warm Dim LED Track Luminaire for Nordic Track Systems



	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	1209Lm
Medium Reflector	771Lm	2291Lm
Flood Reflector	894Lm	2374Lm
Wide Flood Reflector	884Lm	2372Lm
COLOR TEMPERATURE	3000K – 1800K	
CRI	90	
FINISHES	Matte Black / Matte White / Matte Silver	
DRIVER INPUT VOLTAGE	120V/277V, 50/60Hz	
DIMMING TYPE	120V TRIAC/ELV Dimming	
COMPATIBILITY	Compatible with Nordic Aluminum Inc. Track 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

DATE

PROJECT

TYPE

NCTL94 SERIES | Gallery XL Warm Dim LED Track Luminaire for Nordic Track Systems

ORDERING INFORMATION

Example Order: NCTL940VNWDD – P

LED Series	Beam: Optic or Reflector	Color Temp/CRI	Driver	Finish	Nordic Adapter
NCTL940 - 13W	PC Optics: Intensity at Nadir, Narrow Field	90 CRI	D - 120V TRIAC/ELV	B - Matte Black	- Nordic NTEK 120V 2C/2N
NCTL943 - 35W	VN¹ - Very Narrow Spot: 10° Beam, 18° Field	WD - Warm Dim 3000K to 1800K		P - Matte White	Leave Blank
	NS² - Narrow Spot: 13° Beam, 22° Field			S - Matte Silver	27 - Nordic NHTEK 277V 2C/2N
	1. Very Narrow Spot (VN) only available for Series 0 (13W) 2. Narrow Spot (NS) only available for Series 3 (35W)				1C - Nordic ECO 120V 1C/1N or 2C/1N
	Reflectors: Well Defined Beams, Smooth Field				3C - Nordic Pro 120V 3C/1N
	ME - Medium: 24° Beam, 54° Field				
	FL - Flood: 42° Beam, 64° Field				
	WF - Wide Flood: 51° Beam, 83° Field				

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

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)

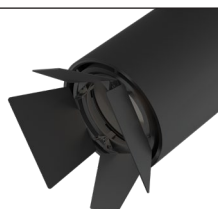


LA-45 - 3-3/4 Inch Diameter Black Honeycomb Louver

Replacement Optics

Very Narrow Spot Optic not available as a replacement optic

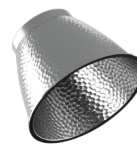
CTL94NS - 13° Narrow Spot Optic
CTL94ME - 24° Medium Reflector
CTL94FL - 42° Flood Reflector
CTL94WF - 51° Wide Flood Reflector



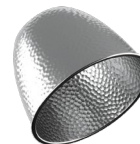
BD94-B - Black Barn Doors



CTL94NS
13° Narrow Spot



CTL94ME
24° Medium



CTL94FL
42° Flood



CTL94WF
51° Wide Flood

DATE

PROJECT

TYPE

NCTL94 SERIES | Gallery XL Warm Dim LED Track Luminaire for Nordic Track Systems

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 luminaires
- 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 minimal 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.

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, consult factory.

DATE

PROJECT

TYPE

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

ALUMINUM REFLECTOR | MEDIUM

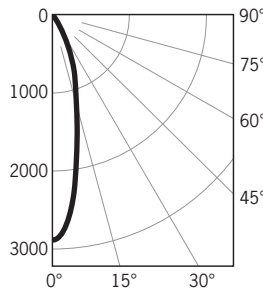
CTL940MEWDD

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 Life³
LM-63 Test No. G22042505
LM-79 Test No. S22030101

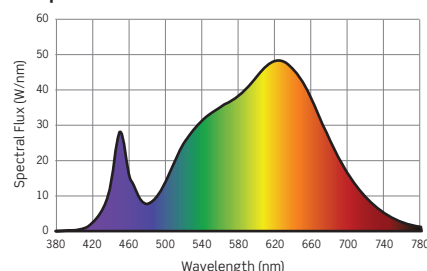
Intensity Distribution

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 Chart⁴



ALUMINUM REFLECTOR | FLOOD

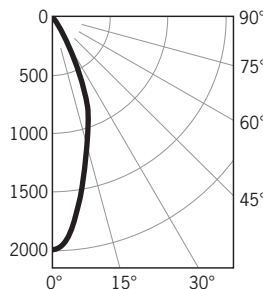
CTL940FLWDD

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 Life³
LM-63 Test No. G22042506
LM-79 Test No. S22030101

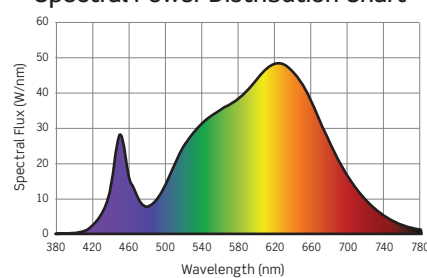
Intensity Distribution

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 Chart⁴



ALUMINUM REFLECTOR | WIDE FLOOD

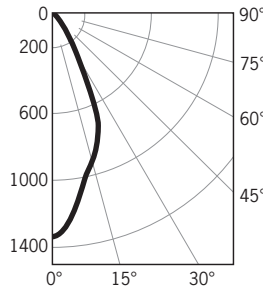
CTL940FWDD

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 Life³
LM-63 Test No. G22042601
LM-79 Test No. S22030101

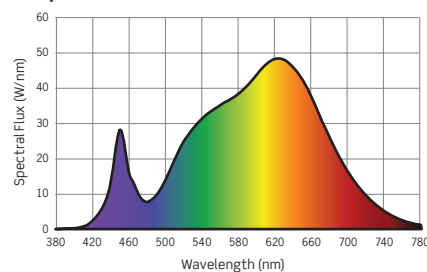
Intensity Distribution

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 Chart⁴



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

DATE

PROJECT

TYPE

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

ALUMINUM REFLECTOR | MEDIUM

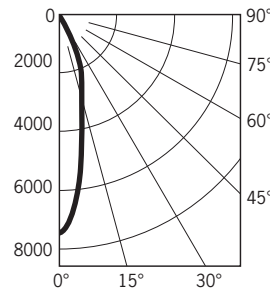
CTL943MEWDD

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 Life³
LM-63 Test No. G22030103
LM-79 Test No. S22030101

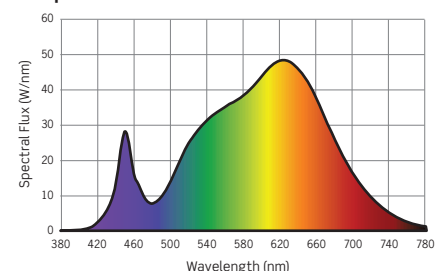
Intensity Distribution

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 Chart⁴



ALUMINUM REFLECTOR | FLOOD

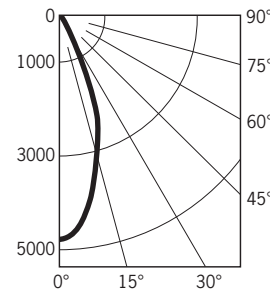
CTL943FLWDD

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 Life³
LM-63 Test No. G22030104
LM-79 Test No. S22030101

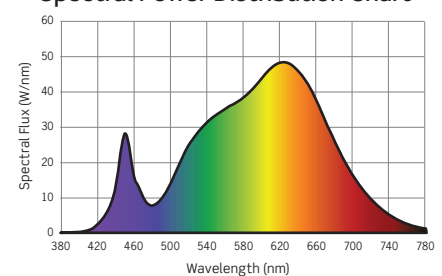
Intensity Distribution

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 Chart⁴



ALUMINUM REFLECTOR | WIDE FLOOD

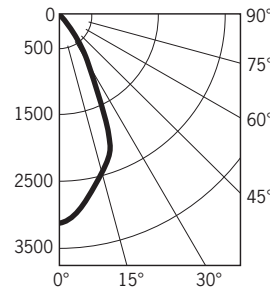
CTL943FWWDD

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 Life³
LM-63 Test No. G22030105
LM-79 Test No. S22030101

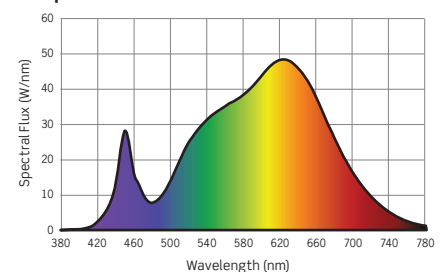
Intensity Distribution

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 Chart⁴



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

DATE

PROJECT

TYPE

CTL94 * WD SERIES | Gallery XL Luminaire

Warm Dim LED Photometrics

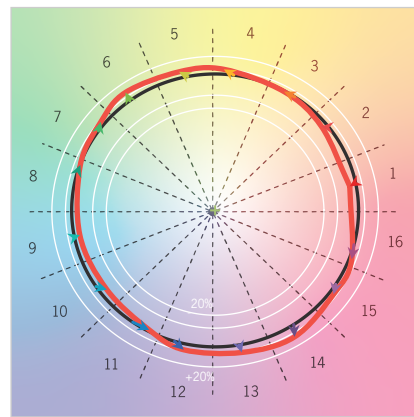
TM-30 DATA: CTL945ME3KD

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

Colors are for visual orientation purposes only

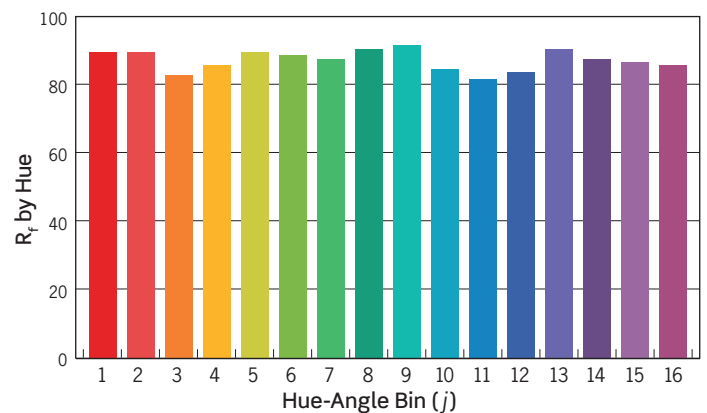
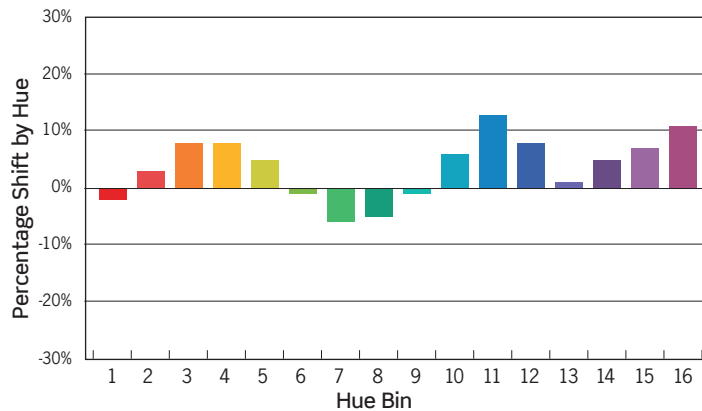
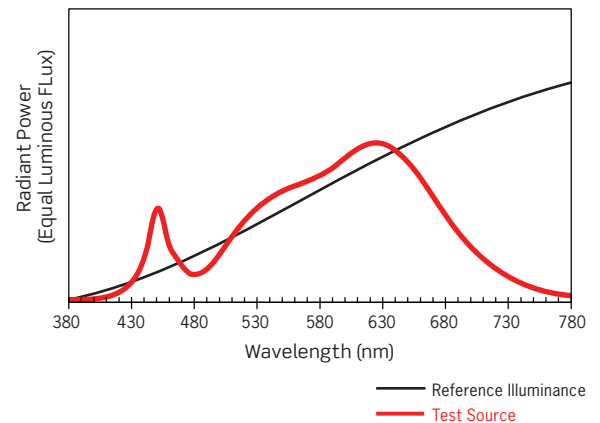
R_f	89
R_g	102
CCT(K)	3021K
D_{uv}	-0.0009
u^l	0.2502
v^l	0.5198

Color Vector Graphic



— Reference Illuminance — Test Source

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

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.

Manufacturer	Product	Model	TRIAC/ELV DIMMING
			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.