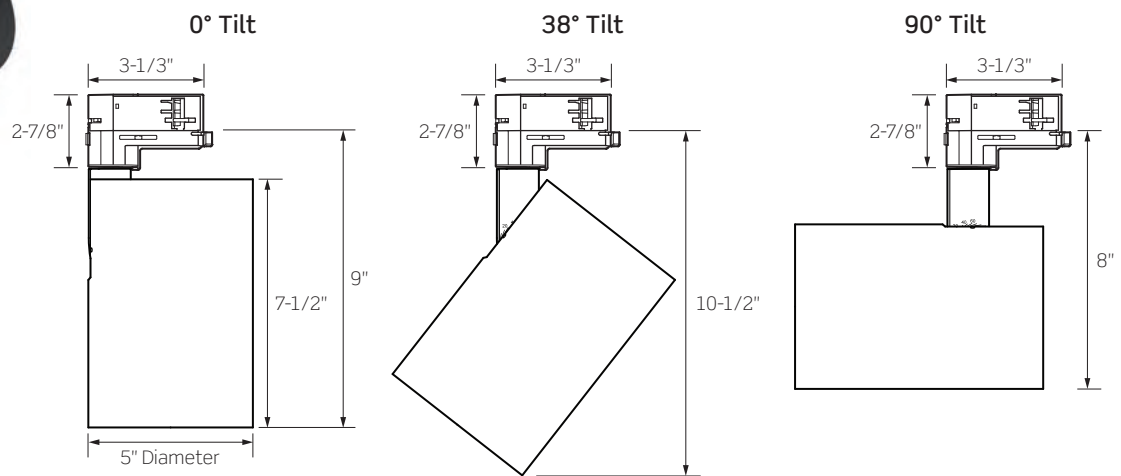


NCTL94 SERIES | Gallery XL Track Luminaire featuring Xicato® LED for 2C/2N Nordic Track Systems



High performance track luminaire featuring the Xicato 95 CRI Series LED; designed to perfectly emulate natural light sources with precise color rendering by CIE or IES standards



	NCTL940	NCTL941	NCTL942	NCTL943	NCTL944
WATTAGE	13W	19W	27W	35W	41W
LUMEN OUTPUT ¹ BY BEAM SPREAD Beam Range: 8° to 50°					
Very Narrow Spot Optic	610Lm	N/A	N/A	N/A	N/A
Narrow Spot Optic	540Lm	790Lm	1043Lm	1370Lm	1491Lm
Spot Reflector	975Lm	1381Lm	1896Lm	2380Lm	2708Lm
Medium Reflector	976Lm	1384Lm	1898Lm	2375Lm	2698Lm
Flood Reflector	1017Lm	1440Lm	1977Lm	2485Lm	2824Lm
Wide Flood Reflector	984Lm	1393Lm	1912Lm	2404Lm	2732Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K				
CRI	95				
FINISHES	Matte Black / Matte White / Matte Silver				
DRIVER INPUT VOLTAGE	120V/277V, 50/60Hz				
DIMMING TYPE	120V Forward/Reverse Phase Dimming Integrated Rotary Dimming Option				
COMPATIBILITY	Compatible with Global/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

NCTL94 SERIES | Gallery XL Track Luminaire featuring Xicato® LED for 2C/2N Nordic Track Systems

ORDERING INFORMATION

Example Order: NCTL942SP3XCD-P1C

LED Series	Beam: Optic or Reflector	CCT/CRI	Driver	Finish	Nordic Adapter
NCTL940 13W NCTL941 19W NCTL942 27W NCTL943 35W NCTL944 41W	PC Optics Intensity at Nadir, Narrow Field VN² Very Narrow Spot: 10° Beam, 18° Field NS Narrow Spot: 13° Beam, 22° Field	Reflectors: Well Defined Beams, Smooth Field SP Spot: 11° Beam, 16° Field ME Medium: 24° Beam, 54° Field FL Flood: 42° Beam, 64° Field WF Wide Flood: 51° Beam, 83° Field	95 CRI 27XC 2700K 3XC 3000K 35XC 3500K 4XC 4000K Vibrant Series, 95 CRI 3XV 3000K	D 120V Forward/Reverse Phase Dimming DI^{3,4} 120V Integrated Rotary Dimmer	B Matte Black P Matte White S Matte Silver 27 Nordic NTEK 120V 2C/2N Leave Blank 1C Nordic ECO 120V 1C/1N or 2C/1N 3C Nordic Pro 120V 3C/1N

2. Very Narrow Spot (VN) only available for Series Ø (CTL940/13W)

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

4. Integrated Dimmer Knob has a black finish

ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

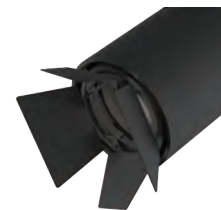
Each Gallery XL Luminaire comes ready to hold up to two (2) Accessories; Snoot or Barn Door count as one (1) piece



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 13° 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

NCTL94 SERIES | Gallery XL Track Luminaire featuring Xicato® LED for 2C/2N Nordic Track Systems

PRODUCT SPECIFICATIONS

PERFORMANCE SUMMARY

- The Xicato 95 CRI Series COBs are designed to perfectly emulate natural light sources, with precise color rendering by CIE or IES standards, for the most exacting illumination of art, architecture, or other surfaces
- 2700K, 3000K, 3500K and 4000K Color temperatures; Vibrant Series only available in 3000K
- Xicato Modules feature extraordinary color consistency within 1x2-step MacAdam ellipse
- 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
- 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

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

FIXTURE 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

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.

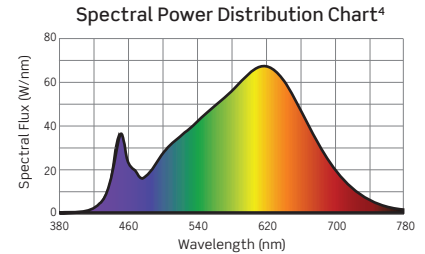
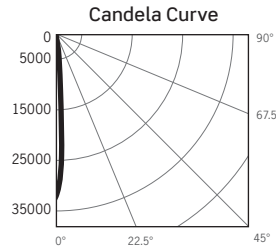
CTL94 SERIES | Gallery XL Track Luminaire with Xicato® LED: Photometry

CTL940VN3XCD: 13W, 3000K, 95 CRI, VERY NARROW SPOT PC OPTIC

Test No. G24062604

Fixture Delivered Lumens: 614.3
Total Watts@120V: 13.1
Lumens Per Watt: 44.5
Center Beam Candle Power: 31786
Beam Distribution: 7.0°
Field Distribution: 11.4°
Spacing Criterion: 0.12
Color Rendering Index (CRI)¹: 97.9
Color Temperature (CCT)²: 3074K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	882.9	0.7
8 FT	496.7	1.0
10 FT	317.9	1.2
12 FT	220.7	1.5
14 FT	162.2	1.7
16 FT	124.2	2.0



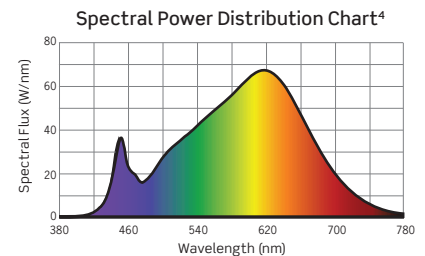
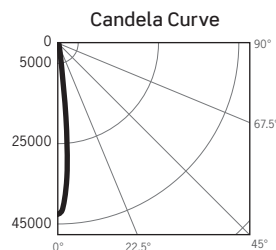
VERY NARROW SPOT OPTIC AVAILABLE ONLY FOR SERIES Ø (13W CTL940)

CTL944NS3XCD: 41W, 3000K, 95 CRI, NARROW SPOT PC OPTIC

Test No. G22033001

Fixture Delivered Lumens: 1491.0
Total Watts@120V: 40.9
Lumens Per Watt: 36.5
Center Beam Candle Power: 42680
Beam Distribution: 10.8°
Field Distribution: 16.2°
Spacing Criterion: 0.17
Color Rendering Index (CRI)¹: 97.9
Color Temperature (CCT)²: 3074K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	1185.6	1.1
8 FT	666.9	1.5
10 FT	426.8	1.9
12 FT	296.4	2.3
14 FT	217.8	2.6
16 FT	116.7	3.0



NARROW SPOT OPTIC OUTPUT MULTIPLIERS			
13W	19W	27W	35W
0.36	0.51	0.70	0.88

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 (CCT), Color Rendering Index (CRI), and Luminaire Wattage/Output. To estimate lumen output of the various options, multiply the 3000K standard CRI results by the following:

CCT MULTIPLIERS		
CCT	STD. CRI	VIBRANT CRI
2700K	0.92	N/A
3000K	1.00	1.00
3500K	1.05	N/A
4000K	1.10	N/A

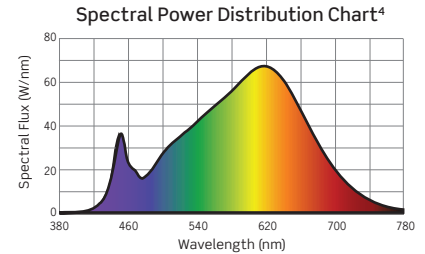
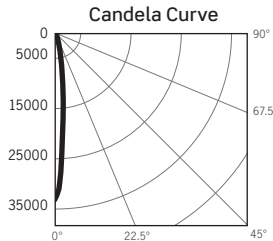
CTL94 SERIES | Gallery XL Track Luminaire with Xicato® LED: Photometry

CTL944SP3XCD: 41W, 3000K, 95 CRI, SPOT ALZAK REFLECTOR

Test No. G22033002

Fixture Delivered Lumens: 2707.7
Total Watts@120V: 41.0
Lumens Per Watt: 66.2
Center Beam Candle Power: 32817
Beam Distribution: 11.0°
Field Distribution: 28.8°
Spacing Criterion: 0.23
Color Rendering Index (CRI)¹: 97.9
Color Temperature (CCT)²: 3074K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	911.6	1.2
8 FT	512.8	1.5
10 FT	328.2	1.9
12 FT	227.9	2.3
14 FT	167.4	2.7
16 FT	128.2	3.1

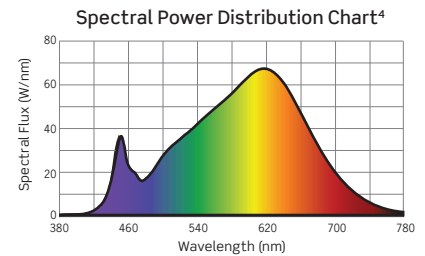
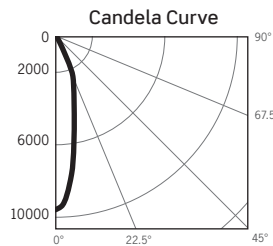


CTL944ME3XCD: 41W, 3000K, 95 CRI, MEDIUM ALZAK REFLECTOR

Test No. G22032905

Fixture Delivered Lumens: 2698.1
Total Watts@120V: 40.9
Lumens Per Watt: 66.0
Center Beam Candle Power: 9575
Beam Distribution: 24.2°
Field Distribution: 53.7°
Spacing Criterion: 0.50
Color Rendering Index (CRI)¹: 97.9
Color Temperature (CCT)²: 3074K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	266.0	2.6
8 FT	149.6	3.4
10 FT	95.7	4.3
12 FT	66.5	5.2
14 FT	48.9	6.0
16 FT	37.4	6.9

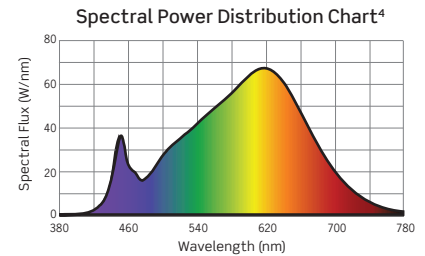
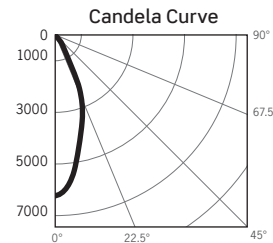


CTL944FL3XCD: 41W, 3000K, 95 CRI, FLOOD ALZAK REFLECTOR

Test No. G22033003

Fixture Delivered Lumens: 2824.4
Total Watts@120V: 40.9
Lumens Per Watt: 69.1
Center Beam Candle Power: 6203
Beam Distribution: 39.3°
Field Distribution: 64.5°
Spacing Criterion: 0.65
Color Rendering Index (CRI)¹: 97.9
Color Temperature (CCT)²: 3074K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	172.3	4.3
8 FT	96.9	5.7
10 FT	62.0	7.1
12 FT	43.1	8.6
14 FT	31.6	10.0
16 FT	24.2	11.4

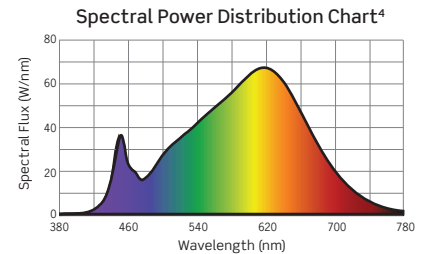
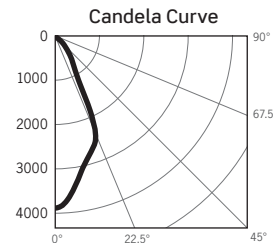


CTL944WF3XCD: 41W, 3000K, 95 CRI, WIDE FLOOD ALZAK REFLECTOR

Test No. G22033004

Fixture Delivered Lumens: 614.3
Total Watts@120V: 13.1
Lumens Per Watt: 44.5
Center Beam Candle Power: 31786
Beam Distribution: 7.0°
Field Distribution: 11.4°
Spacing Criterion: 0.12
Color Rendering Index (CRI)¹: 97.9
Color Temperature (CCT)²: 3074K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	108.0	5.5
8 FT	60.8	7.3
10 FT	38.9	9.2
12 FT	27.0	11.0
14 FT	19.8	12.9
16 FT	15.2	14.7



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 and Luminaire Wattage/Output Selection. To estimate lumen output of the various CCT/CRI options, multiply 3000K results by the following:

CCT MULTIPLIERS		
CCT	STD. CRI	VIBRANT CRI
2700K	0.92	N/A
3000K	1.00	1.00
3500K	1.05	N/A
4000K	1.10	N/A

OUTPUT MULTIPLIERS			
13W	19W	27W	35W
0.36	0.51	0.70	0.88

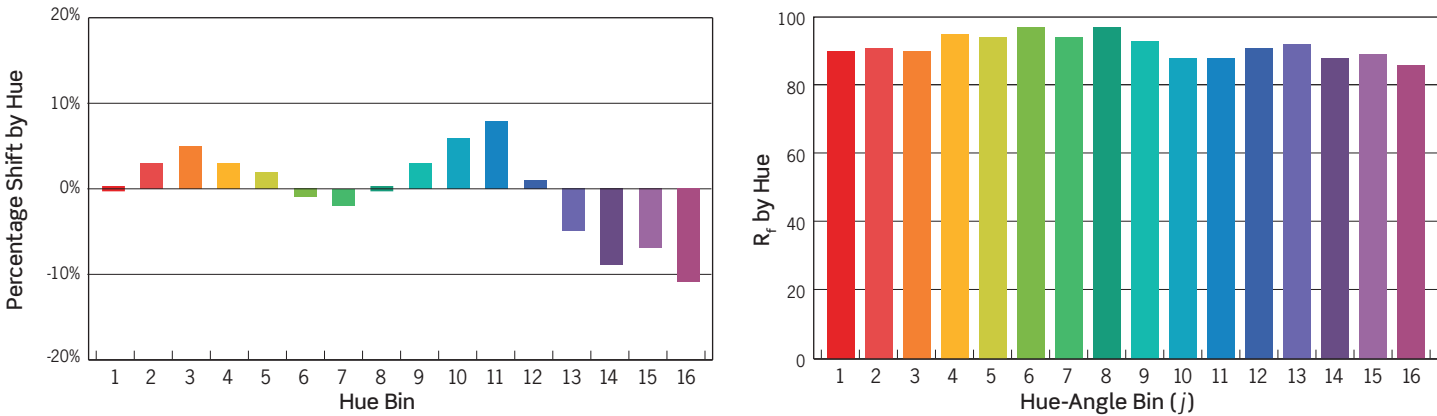
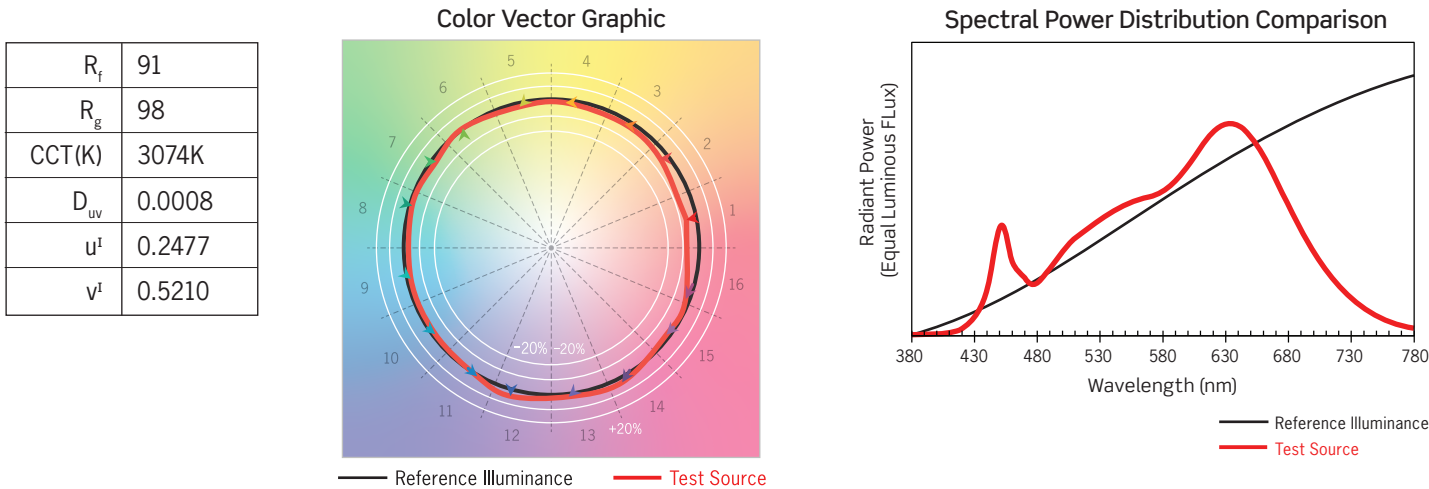
CTL94 SERIES

| Gallery XL Track Luminaire with Xicato® LED: Photometry

TM-30 DATA: CTL944ME3XCD

ANSI/IES TM-30-18 Color Rendition Report Test No. S22032901

Colors are for visual orientation purposes only



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	3%	5%	3%	2%	-1%	-2%	0%	3%	6%	8%	1%	-5%	-9%	-7%	-11%
R _f VALUE	90	91	90	95	94	97	94	97	93	88	88	91	92	88	89	86