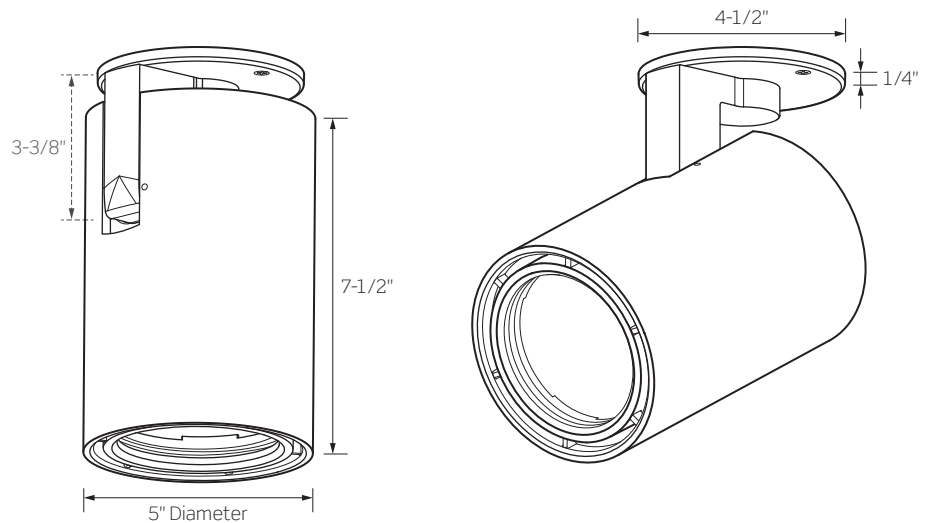


CTL94 C SERIES | Gallery XL Canopy Mount Luminaire featuring Xicato® LED



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



	CTL940C	CTL941C	CTL942C	CTL943C	CTL944C
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 120V/277V 0-10V Dimming Integrated Rotary Dimming Option				
MOUNTING	Approved for Ceiling or Wall Mounting				
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

CTL94 C SERIES | Gallery XL Canopy Mount Luminaire featuring Xicato® LED

ORDERING INFORMATION

Example Order: CTL942CNS3XCMVD-P

LED Series	Beam: Optic or Reflector	CCT/CRI	Driver	Finish
CTL940C 13W CTL941C 19W CTL942C 27W CTL943C 35W CTL944C 41W	PC Optics Intensity at Nadir, Narrow Field VN² Very Narrow Spot: 8° Beam, 17° Field NS Narrow Spot: 11° Beam, 22° Field	Reflectors: 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 27XC 2700K 3XC 3000K 35XC 3500K 4XC 4000K Vibrant Series, 95 CRI 3XV 3000K MVD 120V Forward/Reverse Phase Dimming or 120/277V 0-10V Dimming DI^{3,4} 120V Integrated Rotary Dimmer	B Matte Black P Matte White S Matte Silver

2. Very Narrow Spot (VN) only available for Series 0 (CTL940C/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

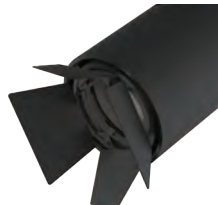
Each Gallery XL Luminaire comes ready to hold up to two (2) Accessories; Snoot or Barn Door count as one (1) piece



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 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 C SERIES | Gallery XL Canopy Mount Luminaire featuring Xicato® LED

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 to produce a myriad of filtering and framing effects
- Dimming is standard for all wattage options using compatible 120V Forward or Reverse OR 120V/277V 0-10V Dimming systems. For dimmer compatibility and performance, refer to the Dimming Specifications below.
- Integrated Rotary Dimmer option available; this option should not be used if luminaire 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
- Constructed of die-cast aluminum, the cylindrical body provides thermal management
- Mono-Point Canopy Housing is constructed of cast aluminum, may be ceiling or wall mounted
- Lockable, precision aiming adjustment: 360°+ aiming horizontal, 220° vertical 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.
- Fixture weight: 5 LBS

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.
- 0-10V Dimming may be used for 120V or 277V powered Luminaires by delivering a separate controlled DC voltage signal which adjusts the light output.

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%

0-10V COMPATIBLE DIMMERS			
MANUFACTURER	PRODUCT	MODEL	LIGHT OUTPUT
Leviton	IlumaTech	IP710-DL	5% to 100%
Lutron	Diva	DVTV	5% to 100%
Lutron	Nova	NFTV	5% to 100%

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.

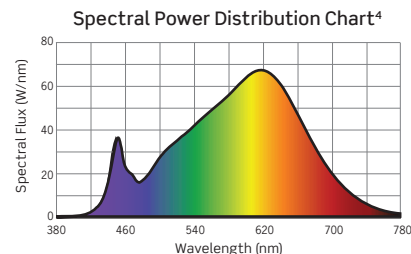
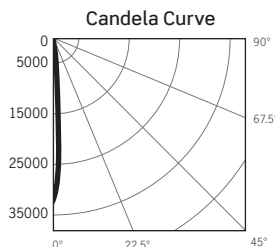
CTL94 SERIES | Gallery XL Track Luminaire with Xicato® LED: Photometry

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



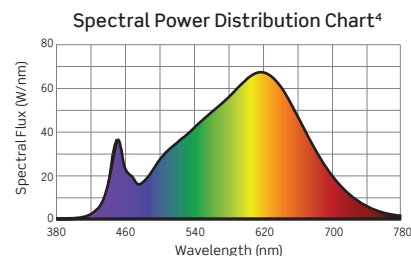
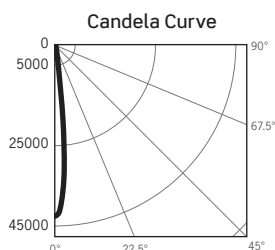
VERY NARROW SPOT OPTIC AVAILABLE ONLY FOR SERIES Ø (13W CTL940)

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

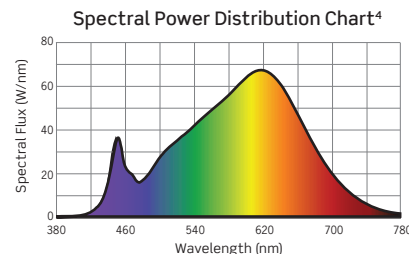
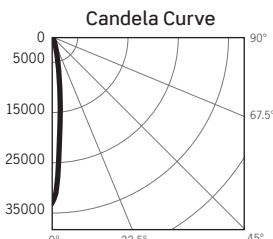
CTL94 SERIES | Gallery XL Track Luminaire with Xicato® LED: Photometry

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

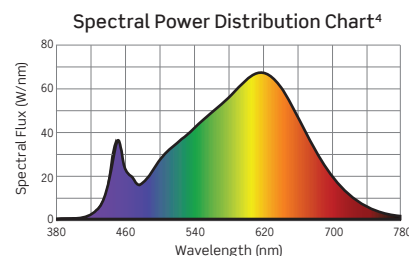
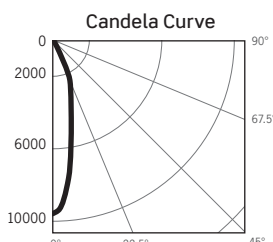


CTL944ME3XCD: 41W, 3000K, 95 CRI, MEDIUM ALZAK REFLECTOR

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

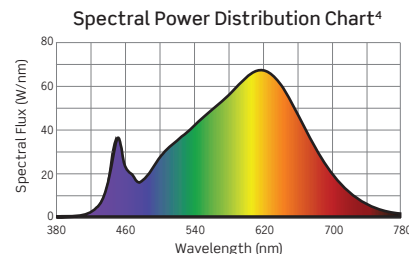
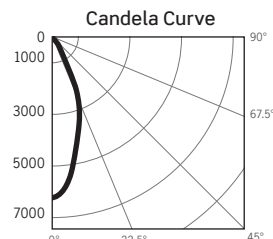


CTL944FL3XCD: 41W, 3000K, 95 CRI, FLOOD ALZAK REFLECTOR

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

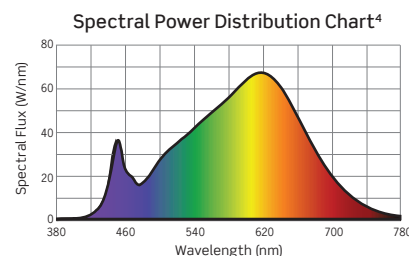
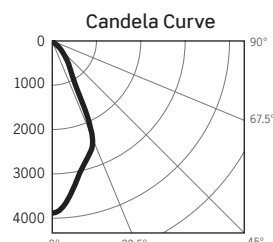


CTL944WF3XCD: 41W, 3000K, 95 CRI, WIDE FLOOD ALZAK REFLECTOR

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

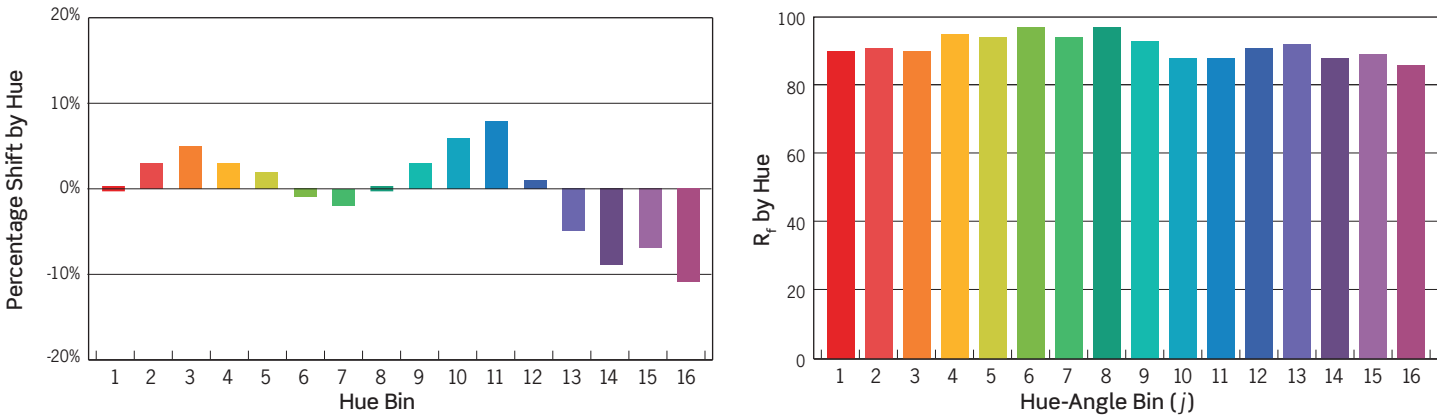
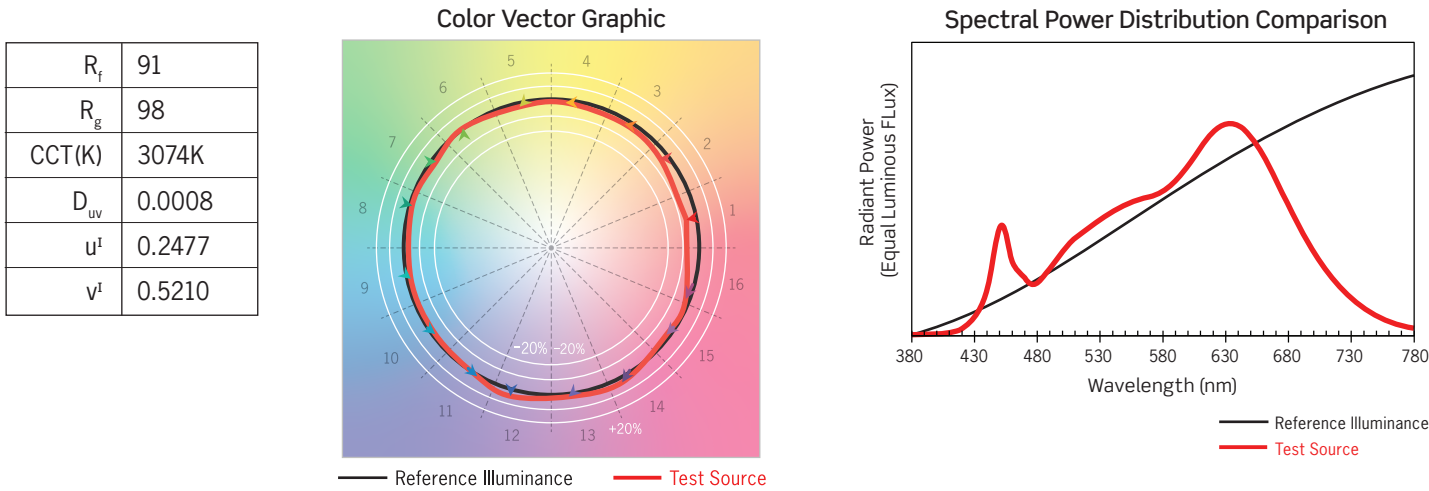
CTL94 SERIES

| 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