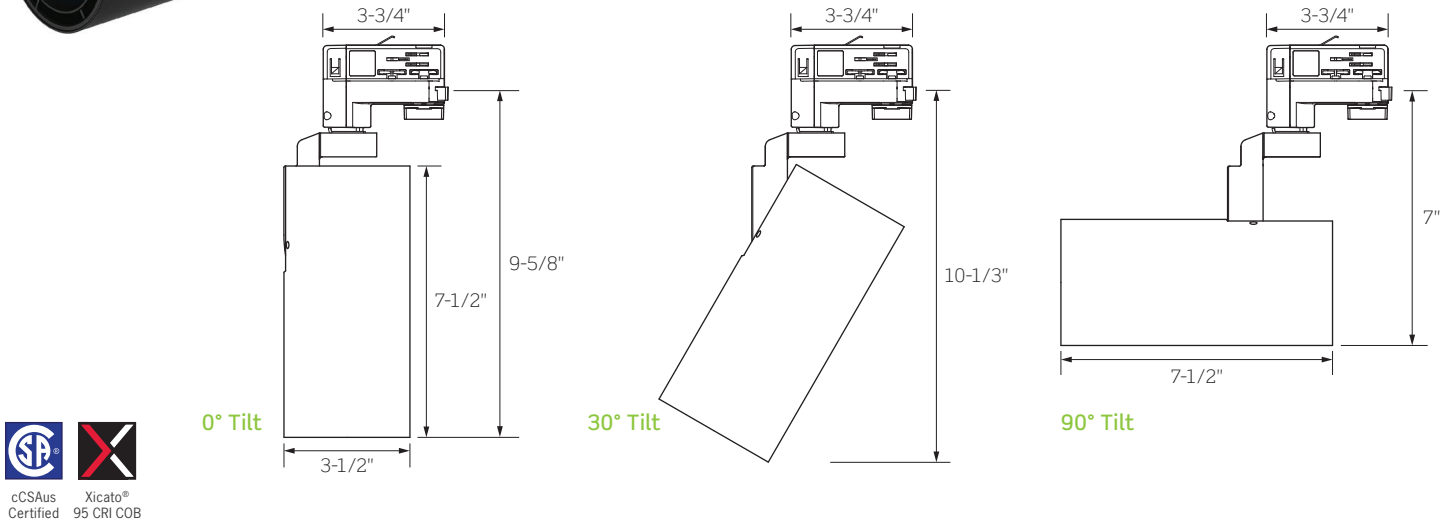


OTL93 SERIES | Gallery M Track Luminaire featuring Xicato® LED with 0-10V Dimming Track System Adapter



High performance track luminaire delivering high outputs and superior beam control

- Clean aesthetics, simple cylinder form
- Delivering up to 2400 Lumens
- Multiple beam distributions
- Xicato 95CRI Series COB



	OTL931	OTL932	OTL933	OTL934	OTL935
WATTAGE	10W	14W	19W	28W	35W
LUMEN OUTPUT ¹ BY BEAM SPREAD					
Narrow Spot (12°)	723Lm	990Lm	1324Lm	N/A	N/A
Spot (15°)	661Lm	920Lm	1276Lm	1716Lm	2131Lm
Medium Flood (35°)	745Lm	1038Lm	1439Lm	1935Lm	2403Lm
Flood (52°)	744Lm	1036Lm	1437Lm	1931Lm	2399Lm
Wide Flood (79°)	691Lm	963Lm	1335Lm	1794Lm	2229Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K				
CRI	95				
FINISHES	Matte Black / Matte White / Matte Silver				
DRIVER INPUT VOLTAGE	120V or 277V, 50/60Hz				
DIMMING TYPE	0-10V Dimming				
COMPATIBILITY	Compatible with ConTech Lighting O2CD 0-10V Dimming Track System				
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

OTL93 SERIES | Gallery M Track Luminaire featuring Xicato® LED with 0-10V Dimming Track System Adapter

ORDERING INFORMATION

Example Order: OTL932SP3XC12D2-P

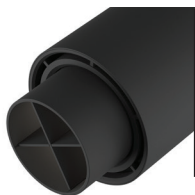
LED Series	Beam Option	CCT/CRI	Driver ⁴	Finish
OTL931 10W	NS² Narrow Spot: 13° Beam / 26° Field	95 CRI	12D2 120V 0-10V Dimming	B Matte Black
OTL932 14W	SP Spot: 18° Beam / 42° Field	27XC 2700K	27D2 277V 0-10V Dimming	P Matte White
OTL933 19W	MF Medium Flood: 35° Beam / 57° Field	3XC 3000K		S Matte Silver
OTL934 28W	FL Flood: 51° Beam / 64° Field	35XC 3500K		
OTL935 35W	WF Wide Flood: 80° Beam / 102° Field	4XC 4000K		

2. Narrow Spot (NS) Beam is only available for Series 1 (10W) through Series 3 (19W)

3. Selected Driver Voltage MUST match Track System Voltage

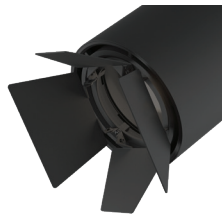
ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

Each Gallery M Luminaire may hold up to two (2) pieces of Media **OR** one (1) Snoot or Barn Door Assembly plus one (1) piece of Media



Snoot with Optional Cross Blades

Exterior painted per finish selection: Black (B), White (P) or Silver (S). Interior and Cross Blades are always Black.



Barn Doors

Black finish. Barn Doors may hold one LF18 Lens or LA-35 Honeycomb Louver.



Honeycomb Louver

Black finish

Accessory
FA-93 Snoot with optional Cross Blades

Finish
B Matte Black
P Matte White
S Matte Silver

Accessory
BD93 Barn Doors

Finish
B Matte Black

Accessory
FA-16-60MM 2-3/8-In. Black Honeycomb Louver
LA-35 3-1/16-In. Black Honeycomb Louver for use within Barn Doors only



Tempered Glass Filters and Lenses

1/8-Inch Thick, typ.

Accessory
LF16 Tempered Glass Filters and Lenses
LF18 Tempered Glass Filters and Lenses for use within Barn Doors only

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

Size
60MM 2-3/8-Inch
<i>Leave Blank</i> 3-1/16-Inch
LF18 Series for use within Barn Doors only

Replacement Optics
CTL93XOPT-NS³ Narrow Spot Replacement 13° Beam / 26° Field
CTL93XOPT-SP Spot Replacement 18° Beam / 42° Field
CTL93XOPT-MF Medium Flood Replacement 35° Beam / 57° Field
CTL93XOPT-FL Flood Replacement 51° Beam / 64° Field
CTL93XOPT-WF Wide Flood Replacement 80° Beam / 102° Field

3. Narrow Spot (CTL93OPT-NS) Optic is only for use on luminaires **originally ordered** with the NS Optic

OTL93 SERIES | Gallery M Track Luminaire featuring Xicato® LED with 0-10V Dimming Track System Adapter

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, all with 95 CRI
- 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 or 277V 0-10V Dimming. For dimmer compatibility and performance, refer to the Dimming Specifications below.
- Five (5) Beam Distributions available: 13° Narrow Spot, 18° Spot, 35° Medium Flood, 51° Flood, and 80° Wide Flood
- Optics are field interchangeable (with restrictions) and provide smooth, striation-free beams
- Luminaire may accept up to two (2) pieces of media (Lens or Louver), one (1) Snoot/Barn Door Assembly plus one (1) piece of media (Lens or Louver). Consult ordering information for proper combinations and sizes.
NOTE: Luminaire may hold one (1) LF16 60MM Series Lens or FA-16-60MM Louver;
Barn Doors may hold one LF18 Series Lens or LA-35 Louver
- Integral ON/OFF switch and track polarity indicator are standard
- Fixture weight: 3 LBS

CONSTRUCTION

- A revolutionary track head with superior optics designed to bring theatre grade beam control to traditional gallery and commercial track heads
- Constructed of die-cast aluminum, the cylindrical body provides thermal management for the luminaire
- An integrated adapter suitable for use with the ConTech O2CD 0-10V Dimming Track System is included
- Locking mechanisms for Tilt (0° to 91°) and Rotation (365°)

FIXTURE COMPATIBILITY

- ConTech OTL Track luminaires are compatible with the ConTech Lighting O2CD 0-10V Dimming Track System

DIMMING SPECIFICATIONS

- 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.

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.

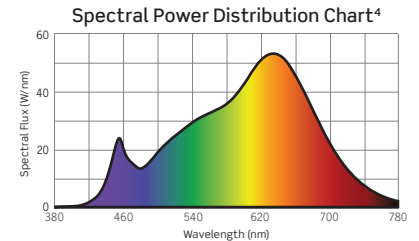
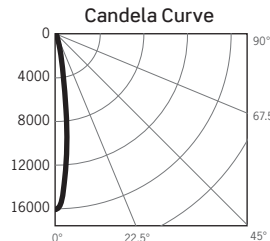
CTL93 SERIES | Gallery M Track Luminaire Xicato® LED Photometry

CTL933NS3XCD: 19W, 3000K, 95 CRI, NARROW SPOT BEAM

Test No. G25090403

Fixture Delivered Lumens: 1324.29
Total Watts@120V: 20.3
Lumens Per Watt: 64.24
Center Beam Candle Power: 16112
Beam Distribution: 12.8°
Spacing Criterion: 0.24
Color Rendering Index (CRI)¹: 97.8
Color Temperature (CCT)²: 2938K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	1007.0	0.9
6 FT	447.6	1.4
8 FT	251.8	1.8
10 FT	161.1	2.3
12 FT	111.9	2.7
14 FT	82.2	3.2



NARROW SPOT BEAM OUTPUT MULTIPLIERS

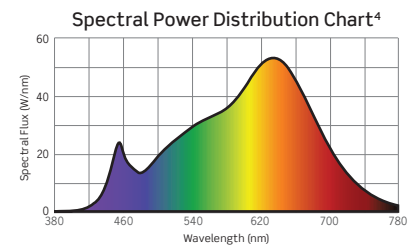
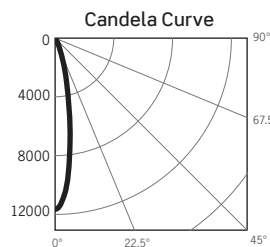
10W	14W
0.55	0.75

CTL935SP3XCD: 35W, 3000K, 95 CRI, SPOT BEAM

Test No. G25082701

Fixture Delivered Lumens: 2131.04
Total Watts@120V: 34.7
Lumens Per Watt: 61.41
Center Beam Candle Power: 11703
Beam Distribution: 18.2°
Spacing Criterion: 0.36
Color Rendering Index (CRI)¹: 97.8
Color Temperature (CCT)²: 2938K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	731.5	1.3
6 FT	325.1	1.9
8 FT	182.9	2.6
10 FT	117.0	3.2
12 FT	81.3	3.9
14 FT	59.7	4.5

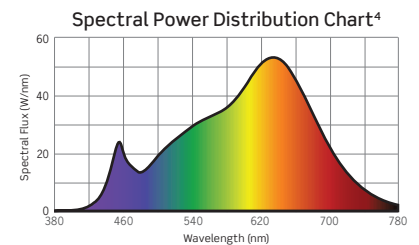
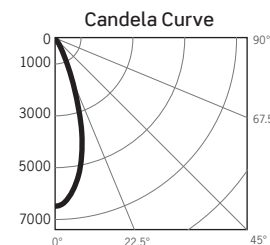


CTL935MF3XCD: 35W, 3000K, 95 CRI, MEDIUM FLOOD BEAM

Test No. G25082605

Fixture Delivered Lumens: 2403.31
Total Watts@120V: 34.7
Lumens Per Watt: 69.26
Center Beam Candle Power: 6507
Beam Distribution: 35.5°
Spacing Criterion: 0.55
Color Rendering Index (CRI)¹: 97.8
Color Temperature (CCT)²: 2938K
Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	406.7	2.6
6 FT	180.7	3.8
8 FT	101.7	5.1
10 FT	65.1	6.4
12 FT	45.2	7.7
14 FT	33.2	9.0



OUTPUT MULTIPLIERS

10W	14W	19W	28W
0.31	0.43	0.60	0.81

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	95 CRI
2700K	0.92
3000K	1.00
3500K	1.05
4000K	1.10

CTL93 SERIES | Gallery M Track Luminaire Xicato® LED Photometry

CTL935FL3XCD: 35W, 3000K, 95 CRI, FLOOD BEAM

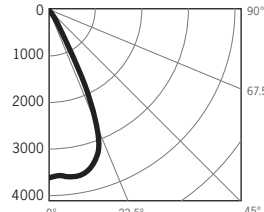
Test No. G25082604

Fixture Delivered Lumens: 2398.7
Total Watts@120V: 34.8
Lumens Per Watt: 68.93
Center Beam Candle Power: 3637
Beam Distribution: 51.1°
Spacing Criterion: 0.72
Color Rendering Index (CRI)¹: 97.8
Color Temperature (CCT)²: 2938K
Designed for 50,000 Hour Lamp Life³

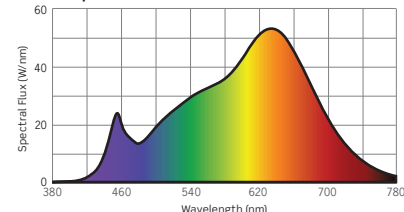
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	227.3	3.8
6 FT	101.0	5.7
8 FT	56.8	7.6
10 FT	36.4	9.6
12 FT	25.3	11.5
14 FT	18.6	13.4

Candela Curve



Spectral Power Distribution Chart⁴



CTL935WF3XCD: 35W, 3000K, 95 CRI, WIDE FLOOD BEAM

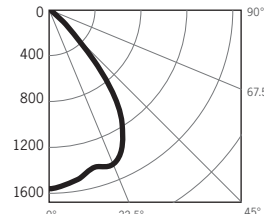
Test No. G25091501

Fixture Delivered Lumens: 2228.46
Total Watts@120V: 34.4
Lumens Per Watt: 64.78
Center Beam Candle Power: 1566
Beam Distribution: 79.9°
Spacing Criterion: 1.13
Color Rendering Index (CRI)¹: 97.8
Color Temperature (CCT)²: 2938K
Designed for 50,000 Hour Lamp Life³

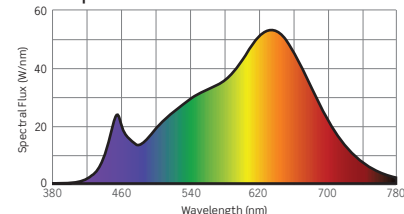
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	97.9	6.7
6 FT	43.5	10.1
8 FT	24.5	13.4
10 FT	15.7	16.8
12 FT	10.9	20.1
14 FT	8.0	23.5

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

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	95 CRI
2700K	0.92
3000K	1.00
3500K	1.05
4000K	1.10

OUTPUT MULTIPLIERS			
10W	14W	19W	28W
0.31	0.43	0.60	0.81

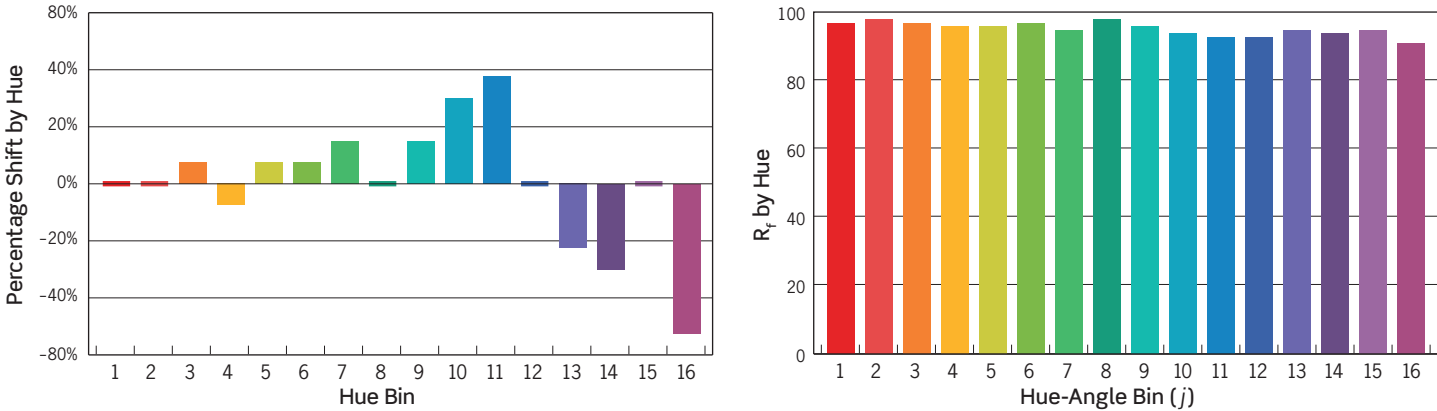
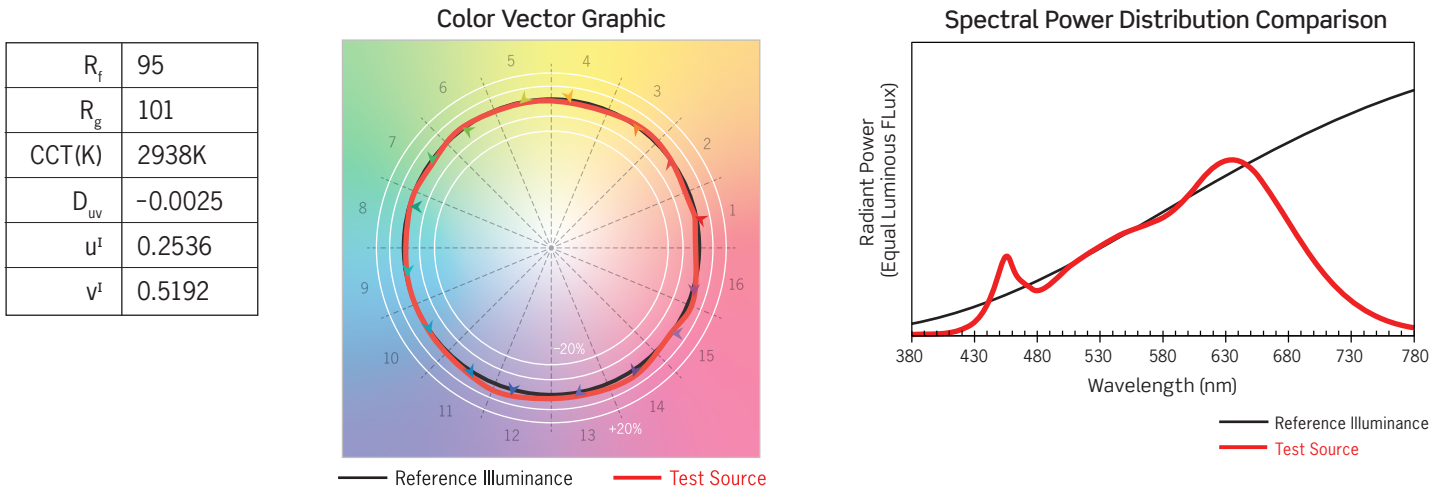
CTL93 SERIES

| Gallery M Track Luminaire Xicato® LED Photometry

TM-30 DATA: CTL935MF3XCD

ANSI/IES TM-30-18 Color Rendition Report Test No. S25082701

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%	0%	1%	-1%	1%	1%	2%	0%	2%	4%	5%	0%	-3%	-4%	0%	-7%
R _f VALUE	97	98	97	96	96	97	95	98	96	94	93	93	95	94	95	91