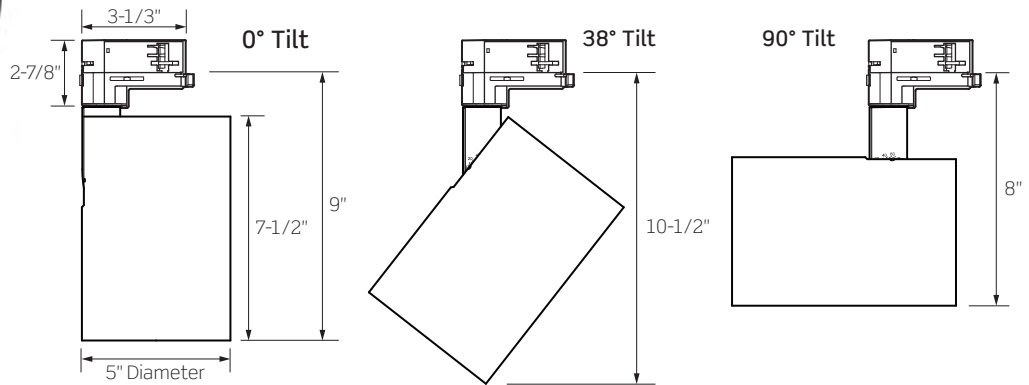


# NCTL94 SERIES | Gallery XL Track Luminaire for 2C/2N Nordic Track Systems



High performance track luminaire delivering high outputs and superior beam control

- Clean aesthetics, simple form
- Multiple beam distributions
- High performance
- Consistent color rendering



	NCTL940	NCTL941	NCTL942	NCTL943	NCTL944	NCTL945
WATTAGE	13W	20W	29W	38W	42W	49W
LUMEN OUTPUT <sup>1</sup> BY BEAM SPREAD <i>Beam Range: 8° to 50°</i>						
Very Narrow Spot Optic	744 Lm	1023 Lm	1349 Lm	1550 Lm	N/A	N/A
Narrow Spot Optic	702 Lm	1033 Lm	1462 Lm	1793 Lm	1949 Lm	N/A
Spot Reflector	1283 Lm	1885 Lm	2646 Lm	3288 Lm	3609 Lm	4010 Lm
Medium Reflector	1365 Lm	2005 Lm	2816 Lm	3660 Lm	3839 Lm	4266 Lm
Flood Reflector	1428 Lm	2098 Lm	2946 Lm	3696 Lm	4017 Lm	4463 Lm
Wide Flood Reflector	1407 Lm	2067 Lm	2902 Lm	3606 Lm	3958 Lm	4398 Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K					
CRI	83 (80min) / 90+					
FINISHES	Matte Black / Matte White / Matte Silver					
DRIVER INPUT VOLTAGE	120V, 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 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

# NCTL94 SERIES | Gallery XL Track Luminaire for 2C/2N Nordic Track Systems

## ORDERING INFORMATION

Example Order: NCTL942VN3KD-P1C

LED Series	Beam: Optic or Reflector	CCT/CRI	Driver	Finish	Nordic Adapter
<b>NCTL940</b> 13W <b>NCTL941</b> 20W <b>NCTL942</b> 29W <b>NCTL943</b> 38W <b>NCTL944</b> 42W <b>NCTL945</b> 49W	<b>PC Optics</b> Intensity at Nadir, Narrow Field <b>VN<sup>1</sup></b> Very Narrow Spot: 8° Beam, 17° Field <b>NS<sup>2</sup></b> Narrow Spot: 11° Beam, 22° Field 1. Very Narrow Spot (VN) only available up to Series 3 (CTL943/38W) 2. Narrow Spot (NS) only available up to Series 4 (CTL944/42W)	<b>Reflectors:</b> Well Defined Beams, Smooth Field <b>SP</b> Spot: 11° Beam, 26° Field <b>ME</b> Medium: 22° Beam, 52° Field <b>FL</b> Flood: 41° Beam, 66° Field <b>WF</b> Wide Flood: 50° Beam, 83° Field	80+ CRI <b>27K</b> 2700K <b>3K</b> 3000K <b>35K</b> 3500K <b>4K</b> 4000K 90+ CRI <b>27KC</b> 2700K <b>3KC</b> 3000K <b>35KC</b> 3500K <b>4KC</b> 4000K	<b>D</b> 120V TRIAC/ELV	<b>B</b> Matte Black <b>P</b> Matte White <b>S</b> Matte Silver <b>27</b> Nordic NHTEK 277V 2C/2N <b>1C</b> Nordic ECO 120V 1C/1N or 2C/1N <b>3C</b> Nordic Pro 120V 3C/1N

## ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

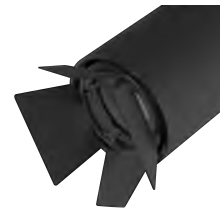
Each Gallery XL Luminaire comes ready to hold up to two (2) Accessories; Snoot or Barn Door count as one (1) piece



**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
<b>FA-94</b> Snoot with optional Cross Blades

Finish
<b>B</b> Matte Black <b>P</b> Matte White <b>S</b> Matte Silver

Accessory
<b>LA-45</b> Black Honeycomb Louver

Accessory
<b>BD94</b> Barn Doors

Finish
<b>B</b> Matte Black



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



Accessory
<b>LF20</b> Tempered Glass Filters and Lenses

Finish
<b>C</b> Clear <b>A</b> Amber <b>SL</b> Soft Light <b>B</b> Blue <b>SOL</b> Solite <b>LB</b> Light Blue <b>LS</b> Linear Spread <b>G</b> Green <b>73</b> Spread <b>R</b> Red <b>UV</b> Optivex UV <b>RO</b> Rose <b>Y</b> Yellow

Replacement Optic
<b>CTL94</b>

Beam
<b>NS</b> 11° Narrow Spot Optic Very Narrow Spot Optic not available as a replacement optic <b>SP</b> 11° Spot Reflector <b>ME</b> 22° Medium Reflector <b>FL</b> 41° Flood Reflector <b>WF</b> 50° Wide Flood Reflector

# NCTL94 SERIES | Gallery XL Track Luminaire for 2C/2N Nordic Track Systems

## PRODUCT SPECIFICATIONS

### PERFORMANCE SUMMARY

- Select from 2700K, 3000K, 3500K and 4000K color temperatures; all with a CRI of 80 minimum, 83 typical; high CRI of 90+ available
- 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 available 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 the Dimming Specification sheet.
- 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

### 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.

### 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 providing thermal management
- 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.

## 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	MAEL-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 Photometrics

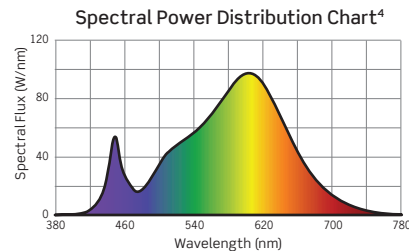
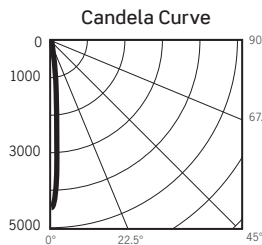
## PC OPTIC | VERY NARROW SPOT

### CTL943VN3KD

LM-63 Test No. G24062604; LM-79 Test No. S22031501

Fixture Delivered Lumens: 1550.2  
 Total Watts@120V: 37.4  
 Lumens Per Watt: 41.5  
 Center Beam Candle Power: 45100  
 Beam Distribution: 8.4°  
 Spacing Criterion: 0.17  
 Color Rendering Index (CRI)<sup>1</sup>: 83.1  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	1252.8	0.9
8 FT	704.7	1.2
10 FT	451.0	1.5
12 FT	313.2	1.8
14 FT	230.1	2.1
16 FT	176.2	2.3



### PHOTOMETRIC MULTIPLICATION FACTORS FOR VERY NARROW SPOT ONLY

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT	STD CRI	HIGH CRI
2700K	0.98	0.81
3000K	N/A	0.85
3500K	1.01	0.86
4000K	1.02	0.89

Luminaire	Multiplier
13W SERIES 0	0.48
20W SERIES 1	0.66
29W SERIES 2	0.87
38W SERIES 3	1.00

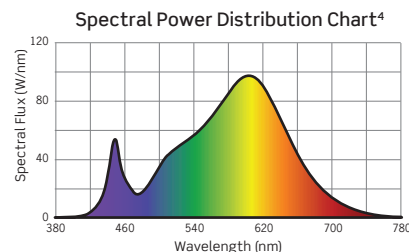
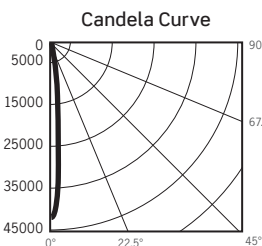
## PC OPTIC | NARROW SPOT

### CTL944NS3KD

LM-63 Test No. G24062603; LM-79 Test No. S22031501

Fixture Delivered Lumens: 1948.8  
 Total Watts@120V: 41.0  
 Lumens Per Watt: 47.6  
 Center Beam Candle Power: 42188  
 Beam Distribution: 10.6°  
 Spacing Criterion: 0.20  
 Color Rendering Index (CRI)<sup>1</sup>: 83.1  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	1171.9	1.1
8 FT	659.2	1.5
10 FT	421.9	1.9
12 FT	293.0	2.2
14 FT	215.2	2.6
16 FT	164.8	3.0



### PHOTOMETRIC MULTIPLICATION FACTORS FOR NARROW SPOT ONLY

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Optic Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT	STD CRI	HIGH CRI
2700K	0.98	0.81
3000K	N/A	0.85
3500K	1.01	0.86
4000K	1.02	0.89

Luminaire	Multiplier
13W SERIES 0	0.36
20W SERIES 1	0.53
29W SERIES 2	0.75
38W SERIES 3	0.92

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

# CTL94 SERIES | Gallery XL Track Luminaire Photometrics

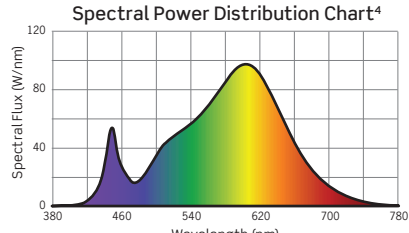
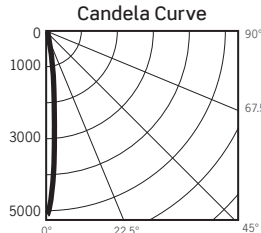
## ALUMINUM REFLECTOR | SPOT

### CTL945SP3KD

LM-63 Test No. G24062701; LM-79 Test No. S22031501

Fixture Delivered Lumens: 4051.4  
Total Watts@120V: 47.4  
Lumens Per Watt: 85.5  
Center Beam Candle Power: 51787  
Beam Distribution: 10.8°  
Spacing Criterion: 0.23  
Color Rendering Index (CRI)<sup>1</sup>: 83.1  
Color Temperature (CCT)<sup>2</sup>: 3086K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	1438.5	1.1
8 FT	809.2	1.5
10 FT	517.9	1.9
12 FT	359.9	2.3
14 FT	264.2	2.6
16 FT	202.3	3.0



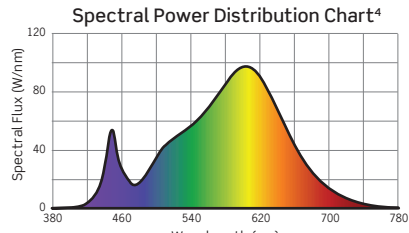
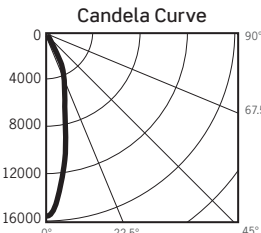
## ALUMINUM REFLECTOR | MEDIUM

### CTL945ME3KD

LM-63 Test No. G24062702; LM-79 Test No. S22031501

Fixture Delivered Lumens: 4226.1  
Total Watts@120V: 47.4  
Lumens Per Watt: 90.0  
Center Beam Candle Power: 15614  
Beam Distribution: 22.3°  
Spacing Criterion: 0.49  
Color Rendering Index (CRI)<sup>1</sup>: 83.1  
Color Temperature (CCT)<sup>2</sup>: 3086K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	433.7	2.4
8 FT	244.0	3.2
10 FT	156.1	3.9
12 FT	108.4	4.7
14 FT	79.7	5.5
16 FT	61.0	6.3



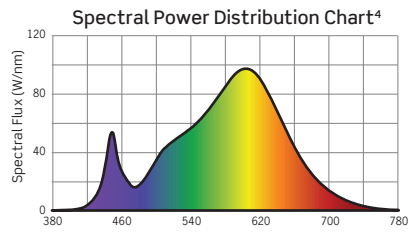
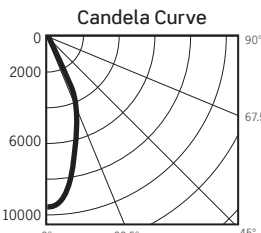
## ALUMINUM REFLECTOR | FLOOD

### CTL945FL3KD

LM-63 Test No. G24062703; LM-79 Test No. S22031501

Fixture Delivered Lumens: 4462.9  
Total Watts@120V: 47.4  
Lumens Per Watt: 94.2  
Center Beam Candle Power: 9572  
Beam Distribution: 41.3°  
Spacing Criterion: 0.66  
Color Rendering Index (CRI)<sup>1</sup>: 83.1  
Color Temperature (CCT)<sup>2</sup>: 3086K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	265.9	4.5
8 FT	149.6	6.0
10 FT	95.7	7.5
12 FT	66.5	9.0
14 FT	48.8	10.5
16 FT	37.4	12.1



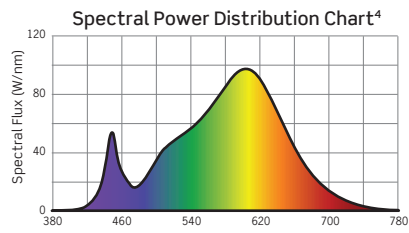
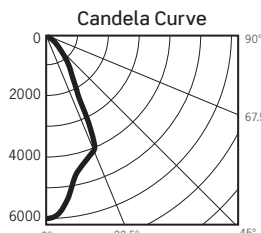
## ALUMINUM REFLECTOR | WIDE FLOOD

### CTL945WF3KD

LM-63 Test No. G24062801; LM-79 Test No. S22031501

Fixture Delivered Lumens: 4397.6  
Total Watts@120V: 47.4  
Lumens Per Watt: 92.8  
Center Beam Candle Power: 6004  
Beam Distribution: 50.4°  
Spacing Criterion: 0.75  
Color Rendering Index (CRI)<sup>1</sup>: 83.1  
Color Temperature (CCT)<sup>2</sup>: 3086K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	166.8	5.7
8 FT	93.8	7.5
10 FT	60.0	9.4
12 FT	41.7	11.3
14 FT	30.6	13.2
16 FT	23.5	15.1



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

## ALUMINUM REFLECTOR PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Optic Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS		
CCT	STD CRI	HIGH CRI
2700K	0.98	0.81
3000K	N/A	0.85
3500K	1.01	0.86
4000K	1.02	0.89

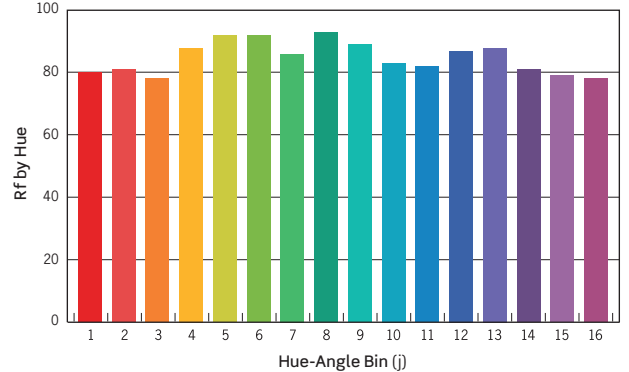
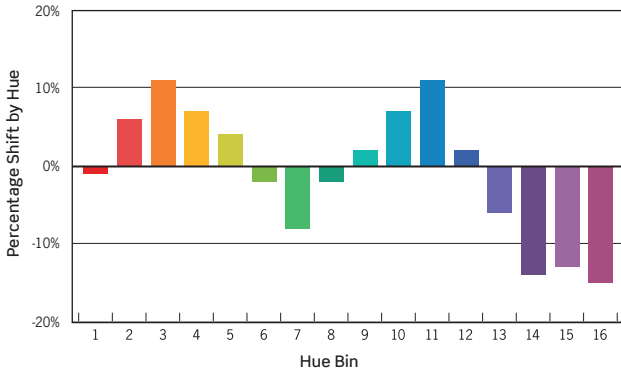
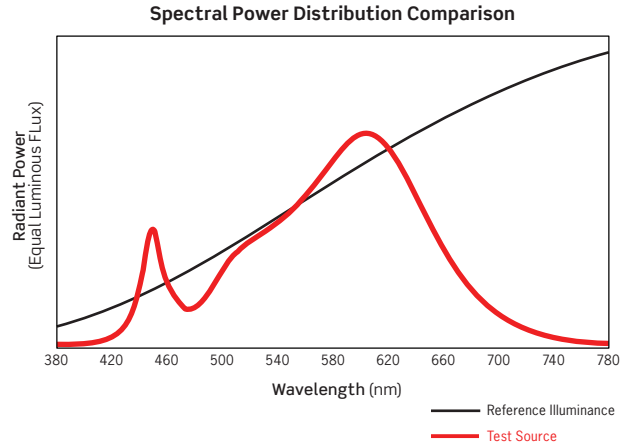
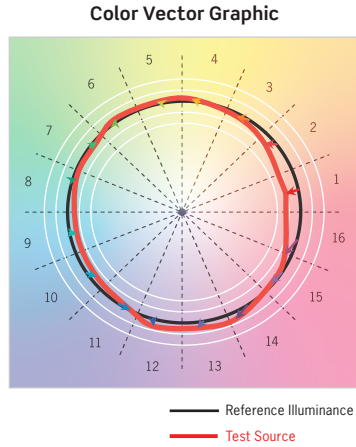
OUTPUT MULTIPLIERS			
Luminaire	Multiplier	Luminaire	Multiplier
13W SERIES 0	0.32	38W SERIES 3	0.82
20W SERIES 1	0.47	42W SERIES 4	0.90
29W SERIES 2	0.66	49W SERIES 5	1.00

# CTL94 SERIES | Gallery XL Track Luminaire Photometrics

## TM-30 DATA: CTL945ME3KD

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

$R_f$	86
$R_g$	96
CCT(K)	3086K
$D_{uv}$	0.0019
$u^j$	0.2469
$v^j$	0.5223



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	11%	7%	4%	-2%	-7%	-2%	2%	7%	11%	2%	-6%	-14%	-13%	-15%
R <sub>f</sub> VALUE	81	82	79	89	93	93	87	94	90	84	83	88	89	82	80	79

Colors are for visual orientation purposes only