

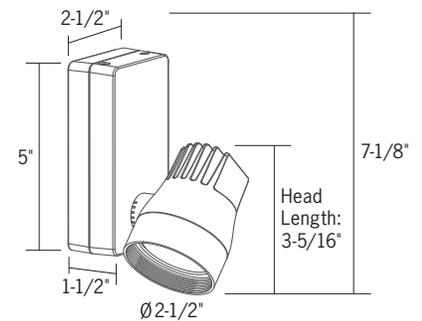
DATE

PROJECT

TYPE

NCTL806*V | O2 Mini Vertical Housing LED Track Luminaire for Nordic Track Systems

	NCTL8061	NCTL8062	NCTL8063
WATTAGE	10W	14W	20W
LUMEN OUTPUT ¹	1255Lm	1723Lm	2328Lm
COLOR TEMPERATURE	2700K, 3000K, 3500K, 4000K, 3000K Crisp White		
CRI	83 (80min) / 90+		
BEAM	10° Spot, 28° Medium, 48° Flood		
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance		
DRIVER INPUT WATTAGE	10W	14W	20W
DRIVER INPUT VOLTAGE:	120V or 277V, 50/60Hz		
DIMMING	10-100% 120V Phase Dimming Only		
 LISTING	cCSAus Certified to UL Standards Suitable for dry locations ENERGY STAR® Certified		
WARRANTY	Five (5) year replacement after date of purchase		



1. Lumen values are approximate, see photometric test results

ORDERING INFORMATION

Example Order: -

Luminaire	Orientation	Beam	Color Temp/CRI	Driver Option	Finish	Nordic Adapter
NCTL8061 - 10W 1255Lm	V - Vertical	S - 10° Spot M - 28° Medium F - 48° Flood	83 (80min) CRI 27 - 2700K 3 - 3000K 35 - 3500K 4 - 4000K 90+ CRI	D - Dimming, 120V Only N - Non-Dimming 277V Only	B - Black P - White S - Silver	- 120V 2C/2N - Leave Blank 27 - 277V 2C/2N 1C - 1C/1N or 2C/1N 3C - 3C/1N
NCTL8062 - 14W 1723Lm			27C - 2700K 3C - 3000K 35C - 3500K 4C - 4000K 3W - 3000K, Crisp White			
NCTL8063 - 20W 2328Lm						

Accessories on Page 2

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ACCESSORY ORDERING INFORMATION

Accessories

- 5500011** - 2" Diffusion Disc
- BD16A** - Barn Doors
- FA-16 60MM** - 2-3/8" Dia. Black Honeycomb Louver
- FA-43-(B,P,S)** - 1" Snoot/Accessory Holder
- LF16-** 60MM** - 2-3/8" Dia. Tempered Glass Lenses; Requires FA-43 Snoot/Accessory Holder

Replacement Optics

- CTL806-OPTIC-S** - 2" TIR Optic, Spot Beam
- CTL806-OPTIC-M** - 2" TIR Optic, Medium Beam
- CTL806-OPTIC-F** - 2" TIR Optic, Flood Beam

**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)

PRODUCT DETAILS

Construction

- Constructed of die-cast aluminum, heat-sink and driver housing provide a sleek modern look
- Lockable, precision aiming adjustment. 360°+ aiming horizontal rotation, 180° vertical rotation
- Can accept up to (2) LF16 60MM lens or FA-16 60MM Black Honeycomb Louvers when used with the FA-43 Snoot/Accessory Holder, ordered separately

Performance Summary

- High performance, small scale LED track luminaire
- Available in 10° Spot, 28° Medium and 48° Flood beam distributions; optics have been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Optics can be easily changed in the field for optimal flexibility
- Select from 2700K, 3000K, 3500K and 4000K color temperatures; CRI 80 min., 83 typical; high CRI 90+ available
- A 3000K Crisp White LED is available, delivering 90+ color rendering with additional violet wavelengths that enhance white visibility
- Excellent fixture-to-fixture color consistency within a 2-step MacAdam Ellipse tolerance
- Dimming is standard for all wattage options and allows smooth illumination down to 10% (120V Only); for dimmer compatibility, refer to Dimming Specifications sheet

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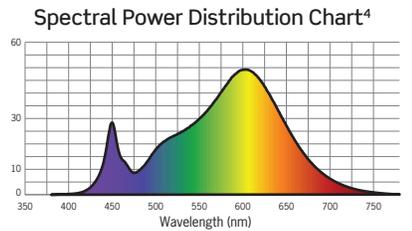
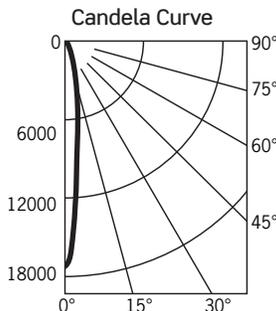
NCTL806*V | O2 Mini Vertical Housing LED Track Luminaire for Nordic Track Systems

PHOTOMETRICS

CTL8063HS3D

Fixture Delivered Lumens: 2237.12
 Total Watts@120V: 19.905
 Lumens Per Watt: 112.418
 Center Beam Candle Power: 17279
 Beam Distribution: 10.24°
 Spacing Criterion: 0.2893
 Color Rendering Index (CRI)¹: 82.9
 Color Temperature (CCT)²: 3071K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012603
 LM-79 Test No. S24012901

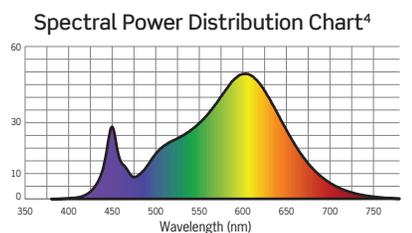
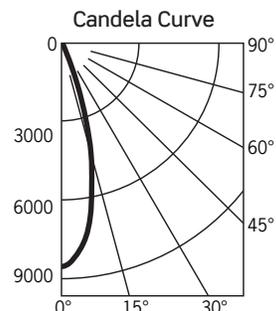
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1079.9	0.72
6'	480.0	1.08
8'	270.0	1.43
10'	172.8	1.79
12'	120.0	2.15
14'	88.2	2.51



CTL8063HM3D

Fixture Delivered Lumens: 2327.82
 Total Watts@120V: 19.914
 Lumens Per Watt: 116.976
 Center Beam Candle Power: 8558
 Beam Distribution: 28.34°
 Spacing Criterion: 0.4765
 Color Rendering Index (CRI)¹: 82.9
 Color Temperature (CCT)²: 3071K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012604
 LM-79 Test No. S24012901

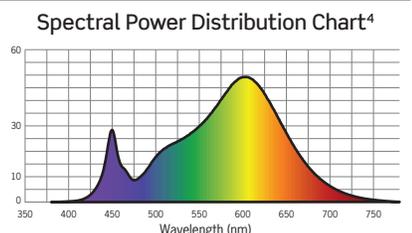
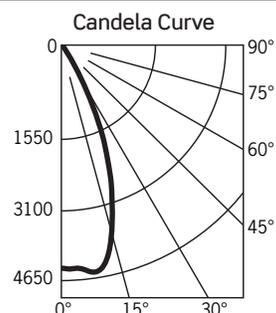
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	534.9	2.02
6'	237.7	3.03
8'	133.7	4.04
10'	85.6	5.05
12'	59.4	6.06
14'	43.7	7.07



CTL8063HF3D

Fixture Delivered Lumens: 2293.43
 Total Watts@120V: 19.9
 Lumens Per Watt: 115.248
 Center Beam Candle Power: 3802
 Beam Distribution: 47.56°
 Spacing Criterion: 0.7051
 Color Rendering Index (CRI)¹: 82.9
 Color Temperature (CCT)²: 3071K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012605
 LM-79 Test No. S24012901

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	237.6	3.53
6'	105.6	5.29
8'	59.4	7.05
10'	38.0	8.81
12'	26.4	10.58
14'	19.4	12.34



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. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS				OUTPUT MULTIPLIERS	
CCT	STD CRI	HIGH CRI	CRISP WHITE	10W/SERIES 1	14W/SERIES 2
2700K	.949	.842	N/A	0.539	0.74
3000K	N/A	.872	.488		
3500K	1.02	.895	N/A		
4000K	1.04	.916	N/A		

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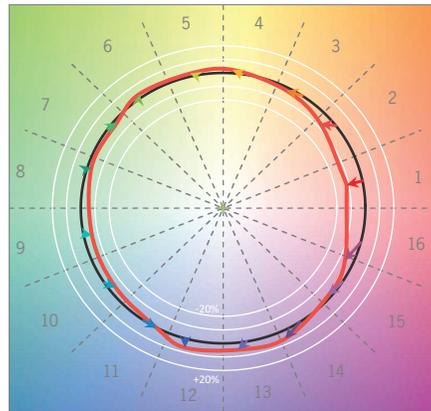
PHOTOMETRICS

TM-30 Data: CTL8063HM3D

ANSI/IES TM-30-18 Color Rendition Report Test No. S24012901

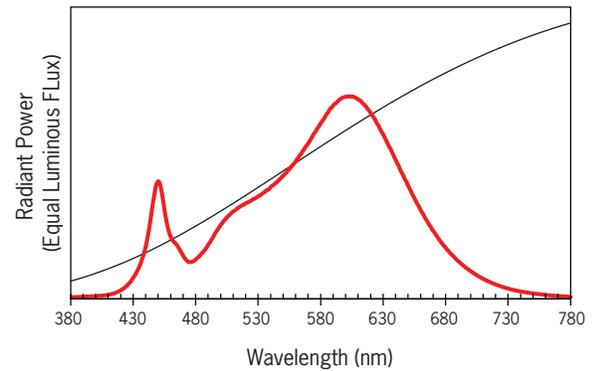
R_f	86
R_g	96
CCT(K)	3071 K
D_{uv}	-0.0001
u^I	0.2481
v^I	0.5199

Color Vector Graphic

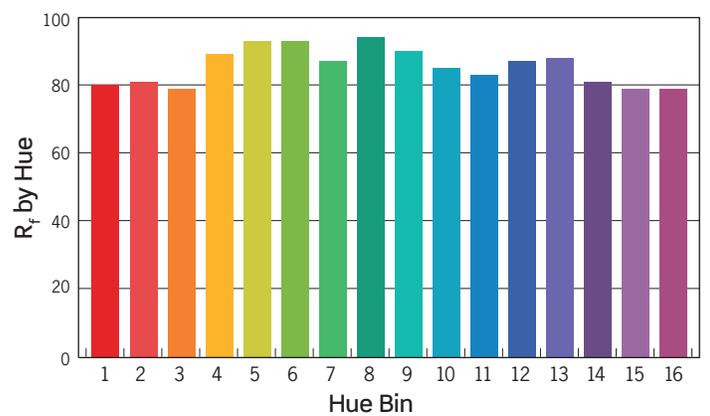
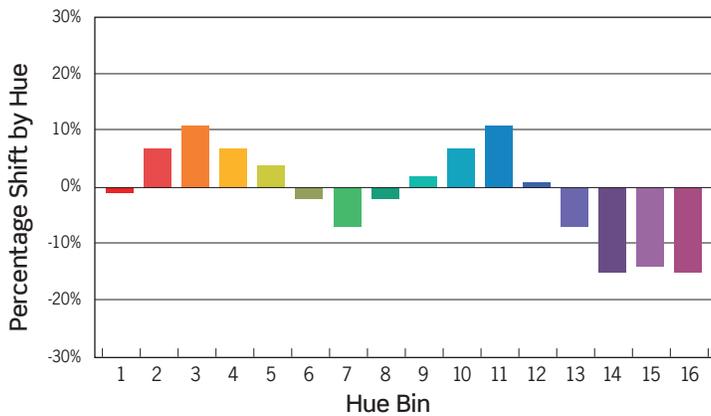


— Reference Illuminance — Test Source

Spectral Power Distribution Comparison



— Reference Illuminance — Test Source



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	1%	7%	11%	7%	4%	-2%	-7%	-2%	2%	7%	11%	1%	-7%	-15%	-14%	-15%
R _f VALUE	80	81	79	89	93	93	87	94	90	85	83	87	88	81	79	79

Colors are for visual orientation purposes only