

# NCTL806 V

## O2 Mini Vertical Housing LED Track Fixture

### Specifications/Features

#### Fixture

High performance, small scale LED track fixture available in three (3) wattages:

10W (1100lm\*)

14W (1400lm\*)

20W (1800lm\*)

\*Lumen values are approximate, see page 3 for photometric test results.

Constructed of die-cast aluminum, the heat-sink and driver housing provide a sleek modern look, designed to quietly compliment any space.

Dimming is standard for all wattage options and allows smooth illumination down to 10% (120V Only). For dimmer compatibility, refer to [Dimming Specifications sheet](#).

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.

#### Lamp

Light engine consists of a single, high lumen output multi-chip LED array. Available in the following color temperatures:

2700K; CRI 80 min., 83 Typical (High CRI 90+ available)

3000K; CRI 80 min., 83 Typical (High CRI 90+ available)

3500K; CRI 80 min., 83 Typical (High CRI 90+ available)

4000K; CRI 80 min., 83 Typical (High CRI 90+ available)

3000K; CRI 90+, Crisp White

The 3000K Crisp White LED delivers 90+ color rendering with additional violet wavelengths that enhance white visibility.

Excellent fixture-to-fixture color consistency within a 2-step MacAdam Ellipse tolerance.

Available in Spot (12°), Medium (28°) and Flood (39°) beam distributions. Each molded TIR optic has been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare.

System designed and rated for 50,000 hours at 70% lumen maintenance.

#### Electrical

10W Driver Specifications: Input Wattage 10W; Output Current 250mA  
Input Voltage: 120V Dimming: 90-135VAC, 47-63Hz  
277V Non-dimming: 90-305 VAC  
Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

14W Driver Specifications: Input Wattage 14W; Output Current 350mA  
Input Voltage: 120V Dimming: 90-135VAC, 47-63Hz  
277V Non-dimming: 100-305 VAC  
Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

20W Driver Specifications: Input Wattage 20W; Output Current 500mA  
Input Voltage: 120V Dimming: 90-135VAC, 47-63Hz  
277V Non-dimming: 90-305 VAC  
Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

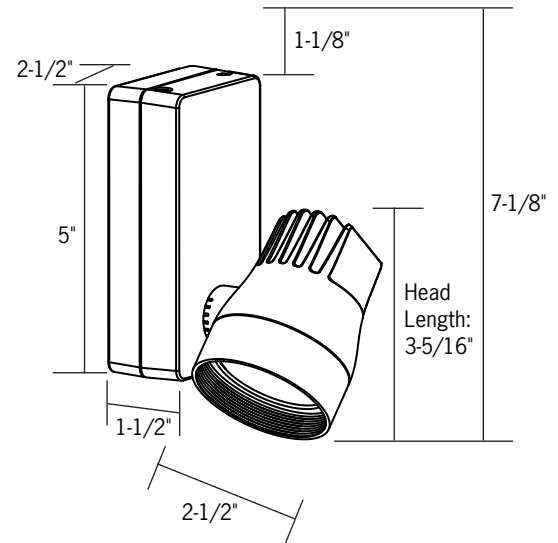
#### Warranty

This complete fixture is covered by ConTech's full five (5) year replacement guarantee after date of purchase.

#### Listing

cCSAus Certified to UL standards. Suitable for dry locations.

Energy Star approved for all fixture variations except Crisp White.



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## 02 Mini Vertical Housing LED Track Fixture

### Ordering Information

Example Order:  -

Fixture	Orientation	Beam	Color Temp	Dimming Option	Finish	Nordic Adapter
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>NCTL8061</b> - 10W/1100Lm <b>NCTL8062</b> - 14W/1400Lm <b>NCTL8063</b> - 20W/1800Lm	<b>V</b> - Vertical	<b>S</b> - Spot <b>M</b> - Medium <b>F</b> - Flood	<b>27</b> - 2700K <b>3</b> - 3000K <b>35</b> - 3500K <b>4</b> - 4000K <b>27C</b> - 2700K, 90+ CRI <b>3C</b> - 3000K, 90+ CRI <b>35C</b> - 3500K, 90+ CRI <b>4C</b> - 4000K, 90+ CRI <b>3W</b> - 3000K, 90+ CRI, Crisp White	<b>D</b> - Dimming <i>Not Available on 277V</i> <b>N</b> - Non-Dimming <i>277V Only</i>	<b>B</b> - Black <b>P</b> - White <b>S</b> - Silver	<b>Blank</b> - 2C/2N 120V <b>27</b> - 2C/2N 277V <b>1C</b> - 1C/1N or 2C/1N <b>3C</b> - 3C/1N

#### Accessories

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

*\*Color/Pattern Legend*

- A** (Amber), -**B** (Blue), -**CL** (Clear), -**G** (Green), -**LB** (Light Blue), -**R** (Red), -**RO** (Rose), -**Y** (Yellow), -**73** (Spread Lens), -**LS** (Linear Spread Lens), -**SL** (Soft Light), -**SOL** (Solite), -**UV** (Optivex UV Filter)

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### Photometrics

Lumen output values fluctuate based on CCT and CRI. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

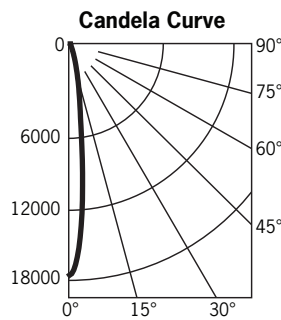
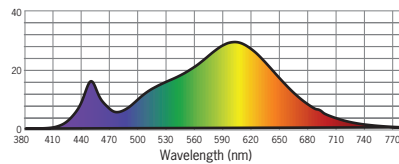
CCT	Standard CRI	High CRI	Crisp White
2700K	.935	.703	N/A
3000K	N/A	.754	.787
3500K	1.0	.812	N/A
4000K	1.0	.87	N/A

For 14W data, multiply results by .78; For 10W data, multiply results by .59

### 20W Spot Beam, 3000K: NCTL8063HS3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 86370

Light Output (Fixture Delivered Lumens): 1509  
 Total Watts@120V: 20.0; Lumens Per Watt: 75.5  
 Center Beam Candle Power: 17472  
 Color Rendering Index (CRI)<sup>2</sup>: 83  
 Color Temperature (CCT)<sup>3</sup>: 3131K  
 Spectral Power Distribution Chart<sup>4</sup>  
 LM-79 Test No. 86373



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	17472	
5	10835	788
15	1738	501
25	232	123
35	43	30
45	27	21
55	20	18
65	16	15
75	8	9
85	4	4
95	0	

#### Intensity Distribution

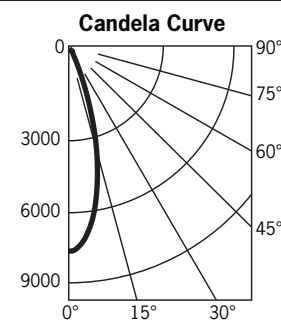
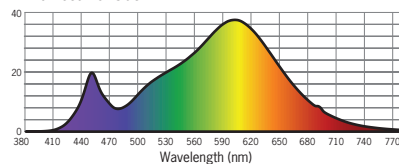
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1092.0	0.8
6'	485.3	1.3
8'	273.0	1.7
10'	174.7	2.1
12'	121.3	2.5
14'	89.1	2.9

Beam Distribution: 12°  
 Spacing Criterion: 0.21

### 20W Medium Beam, 3000K: NCTL8063HM3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 86371

Light Output (Fixture Delivered Lumens): 1852  
 Total Watts@120V: 20.3; Lumens Per Watt: 91.2  
 Center Beam Candle Power: 7634  
 Color Rendering Index (CRI)<sup>2</sup>: 83  
 Color Temperature (CCT)<sup>3</sup>: 3106K  
 Spectral Power Distribution Chart<sup>4</sup>  
 LM-79 Test No. 86374



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	7634	
5	7003	621
15	3524	931
25	366	235
35	68	46
45	15	12
55	4	4
65	2	2
75	1	1
85	0	0
95	0	

#### Intensity Distribution

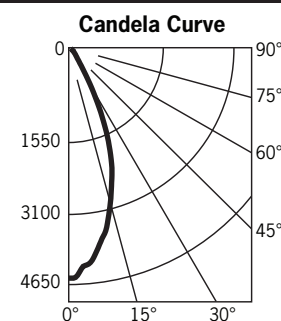
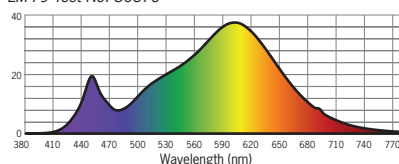
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	477.1	1.9
6'	212.1	2.9
8'	119.3	3.8
10'	76.3	4.8
12'	53.0	5.7
14'	38.9	6.7

Beam Distribution: 29°  
 Spacing Criterion: 0.46

### 20W Flood Beam, 3000K: NCTL8063HF3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 86372

Light Output (Fixture Delivered Lumens): 1897  
 Total Watts@120V: 20.3; Lumens Per Watt: 93.4  
 Center Beam Candle Power: 4501  
 Color Rendering Index (CRI)<sup>2</sup>: 83  
 Color Temperature (CCT)<sup>3</sup>: 3114K  
 Spectral Power Distribution Chart<sup>4</sup>  
 LM-79 Test No. 86375



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4501	
5	4209	383
15	2951	817
25	1260	561
35	140	100
45	28	25
55	5	6
65	3	3
75	2	3
85	1	1
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	281.3	2.5
6'	125.0	3.8
8'	70.3	5.1
10'	45.0	6.3
12'	31.3	7.6
14'	23.0	8.8

Beam Distribution: 39°  
 Spacing Criterion: 0.63

1. Dependent on surrounding temperatures  
 2. Accuracy of rendering colors  
 3. Color appearance of light source  
 4. Colors present within the light source