

# NCTL802818L

## Optica Series 18W Dimmable LED Track Fixture

### Specifications/Features

#### Fixture

Low wattage, eco-friendly, LED track fixture provides high lumen output. Select from Spot, Medium and Flood beam distributions. For use on Con-Tech's 2-Circuit/2-Neutral track. Available in 120V and 277V. Dimming option allows illumination down to 15%; only available on 120V. Die cast aluminum housing with vertical driver. Lockable, precision aiming adjustment. 350°+ Horizontal rotation, 180° vertical rotation. Integral ON/OFF switch and track polarity indicator are standard. Will accept (1) LF18 lens.

#### Lamp

(7) LEDs, 700mA constant current input; 18W/1200Lm total.  
Color Temperature: 2700K (2725 ± 145)  
3000K (3045 ± 175)  
3500K (3465 ± 245)  
4000K (3985 ± 275)

#### Electrical

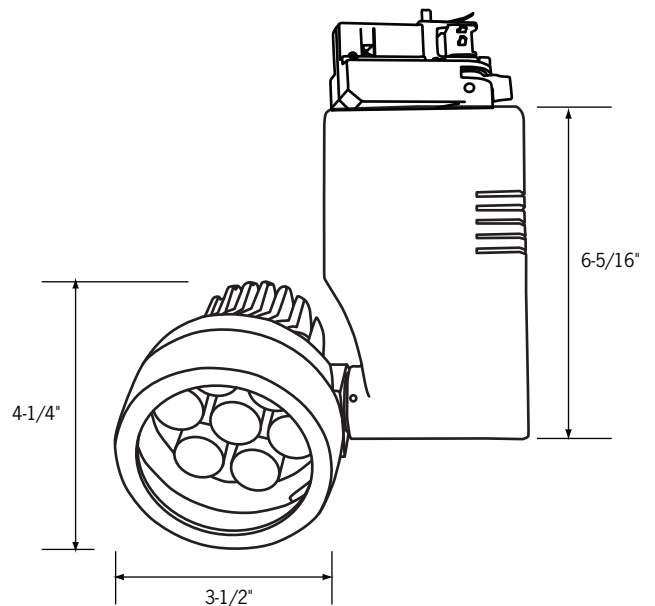
120V Driver: 120V primary and 700mA secondary, 60Hz.  
Input current .20A max.  
277V Driver: 277V primary and 700mA secondary, 50/60Hz.  
Input current .12A nom.

#### 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.



### Ordering Information

Example Order:  -

Track System	Fixture	Beam	Color Temp	Voltage	Dimming	Finish	Accessories
<b>NCTL</b> - ConTech 2C/2N	<b>802818L</b>	<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	120V; Leave Blank <b>27</b> - 277V	No Dimming, Leave Blank <b>D</b> - Dimming (120V Only)	<b>B</b> - Black <b>P</b> - White <b>S</b> - Silver	<b>LA-35</b> - Black Honeycomb Louver <b>LA-44</b> - ( <b>B,P,S</b> ) - Egg Crate Louver <b>LF18</b> - <b>A, B, CL, G, LB, R, RO, Y, 73, LS, SL, UV</b> 3-1/16" Dia. Tempered Glass Lenses

*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),  
-**UV** (Optivex UV Filter)

1. Juno is a registered trademark of Juno Lighting  
2. Halo is a registered trademark of Cooper Lighting  
3. Lightolier is a registered trademark of Philips Lighting  
4. Capri is a registered trademark of Philips Lighting

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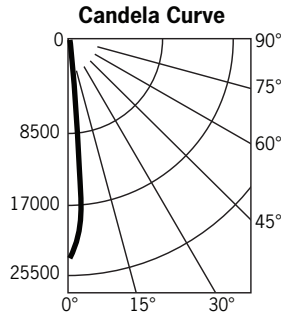
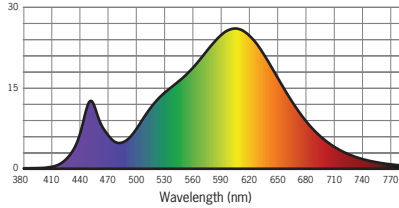
## Optica Series 18W Dimmable LED Track Fixture

### Photometrics

#### NCTL802818LS3

Designed for 50,000 Hour Lamp Life\*; LM-63 Test No. 81023

Light Output (Fixture Lumens): 1061  
 Total Watts@120V: 17  
 Lumens Per Watt: 75  
 Color Rendering Index (CRI)<sup>1</sup>: 83  
 Color Temperature (CCT)<sup>2</sup>: 3003K Warm White  
 Spectral Power Distribution Chart<sup>3</sup>  
 LM-79 Test No. 81024



FROM 0	CANDELA	LUMENS
0	25413	
5	15247	979
15	695	216
25	59	31
35	25	17
45	12	10
55	6	6
65	2	2
75	1	1
85	0	0
95	0	

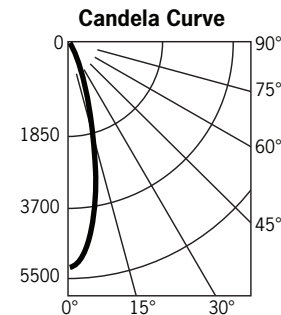
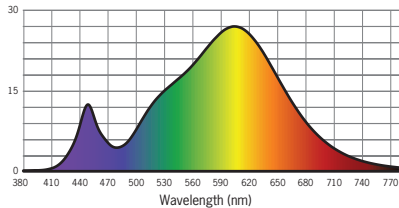
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	705.9	1.2
8'	397.1	1.6
10'	254.1	2.0
12'	176.5	2.4
14'	129.7	2.8
16'	99.3	3.2

**Beam Distribution: 11°**  
**Spacing Criterion: 0.19**

#### NCTL802818LM3

Designed for 50,000 Hour Lamp Life\*; LM-63 Test No. 80828

Light Output (Fixture Lumens): 1319  
 Total Watts@120V: 17  
 Lumens Per Watt: 78  
 Color Rendering Index (CRI)<sup>1</sup>: 82  
 Color Temperature (CCT)<sup>2</sup>: 3022K Warm White  
 Spectral Power Distribution Chart<sup>3</sup>  
 LM-79 Test No. 80840



FROM 0	CANDELA	LUMENS
0	5452	
5	4862	420
15	2099	574
25	454	227
35	82	58
45	29	23
55	13	12
65	3	3
75	1	1
85	1	1
95	0	

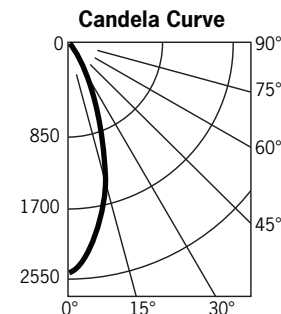
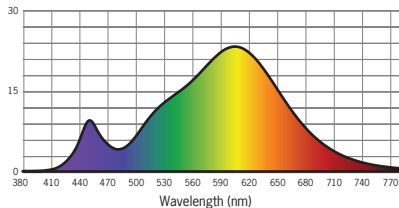
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	151.4	2.5
8'	85.2	3.4
10'	54.5	4.2
12'	37.9	5.1
14'	27.8	5.9
16'	21.3	6.8

**Beam Distribution: 25°**  
**Spacing Criterion: 0.42**

#### NCTL802818LF3

Designed for 50,000 Hour Lamp Life\*; LM-63 Test No. 80829

Light Output (Fixture Lumens): 1120  
 Total Watts@120V: 17.5  
 Lumens Per Watt: 64  
 Color Rendering Index (CRI)<sup>1</sup>: 82  
 Color Temperature (CCT)<sup>2</sup>: 2997K Warm White  
 Spectral Power Distribution Chart<sup>3</sup>  
 LM-79 Test No. 80841



FROM 0	CANDELA	LUMENS
0	2476	
5	2328	211
15	1492	409
25	623	291
35	194	128
45	62	50
55	22	20
65	6	6
75	2	2
85	2	2
95	0	

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	68.8	3.4
8'	38.7	4.6
10'	24.8	5.7
12'	17.2	6.9
14'	12.6	8.0
16'	9.7	9.2

**Beam Distribution: 35°**  
**Spacing Criterion: 0.57**

1. Accuracy of rendering colors  
 2. Color appearance of light source  
 3. Colors present within the light source

\*Dependent on surrounding temperatures