

# NCTL802927L

## Optica Series 27W LED Track Fixture

### Specifications/Features

#### Fixture

Low wattage, eco-friendly, LED track fixture provides high lumen output with no infrared or ultraviolet radiation.  
 For use on ConTech 2-Circuit/2-Neutral Nordic Track.  
 Available in 120V and 277V.  
 Select from spot, medium and flood beam distributions.  
 Die cast aluminum housing with vertical driver.  
 Lockable, precision aiming adjustment. 360°+ Horizontal rotation, 180° vertical rotation.  
 Integral ON/OFF switch and track polarity indicator are standard.  
 Will accept (1) LF18 lens.

#### Lamp

(7) LEDs, 1A constant current input; 27W/1700Lm total.  
 Color Temperature: 2700K (2725 ± 145)  
 3000K (3045 ± 175)  
 3500K (3465 ± 245)  
 4000K (3985 ± 275)

#### Electrical

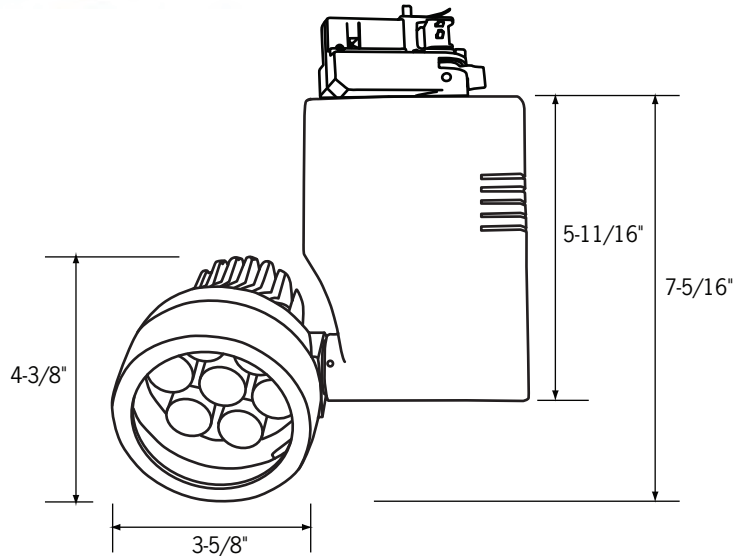
120V Driver: 120V primary and 1000mA secondary, 60Hz.  
 Input current .35A max.  
 277V Driver: 277V primary and 1040mA secondary, 50/60Hz.  
 Input current .12A nom.

#### Warranty

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

#### Listing

CSA certified to UL standards. Suitable for dry locations.



### Ordering Information

Example Order:  —

| Track System                   | Fixture              | Beam   | Color Temp   | Voltage                                  | Finish  | Accessories   |
|--------------------------------|----------------------|--|--|--|---|---|
| <input type="text"/>           | <input type="text"/> | <input type="text"/>                                     | <input type="text"/>   | <input type="text"/>                     | <input type="text"/>                                      | <input type="text"/>  |
| <b>NCTL</b> - ConTech<br>2C/2N | <b>802927L</b>       | <b>S</b> - Spot<br><b>M</b> - Medium<br><b>F</b> - Flood | <b>27</b> - 2700K<br><b>3</b> - 3000K<br><b>35</b> - 3500K<br><b>4</b> - 4000K | 120V;<br>Leave Blank<br><b>27</b> - 277V | <b>B</b> - Black<br><b>P</b> - White<br><b>S</b> - Silver | <b>LA-35</b> - Black Honeycomb Louver<br><b>LA-44-(B,P,S)</b> - Egg Crate Louver<br><b>LF18 - A, B, CL, G, LB, R, RO, Y, 73, LS, SL, UV</b><br>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)

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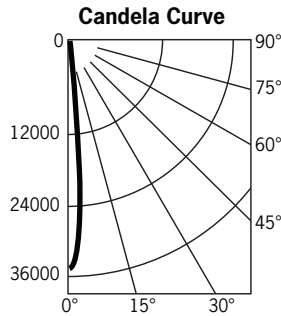
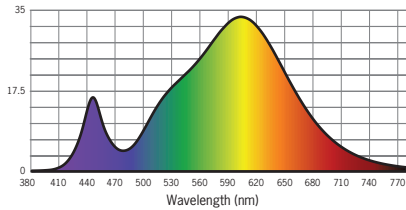
## Optica Series 27W LED Track Fixture

### Photometrics

#### NCTL802927LS3

Designed for 50,000 Hour Lamp Life\*; LM-63Test No. 80824

Light Output (Fixture Lumens): 1710  
 Total Watts@120V: 26  
 Lumens Per Watt: 66  
 Color Rendering Index (CRI)<sup>1</sup>: 81  
 Color Temperature (CCT)<sup>2</sup>: 2992K Warm White  
 Spectral Power Distribution Chart<sup>3</sup>  
 LM-79 Test No. 80836



#### Candlepower Summary

| FROM 0 | CANDELA | LUMENS |
|--------|---------|--------|
| 0      | 34569   | 1330   |
| 5      | 20594   | 294    |
| 15     | 924     | 23     |
| 25     | 78      | 40     |
| 35     | 34      | 23     |
| 45     | 16      | 13     |
| 55     | 9       | 8      |
| 65     | 2       | 2      |
| 75     | 1       | 1      |
| 85     | 0       | 0      |
| 95     | 0       | 0      |

#### Intensity Distribution

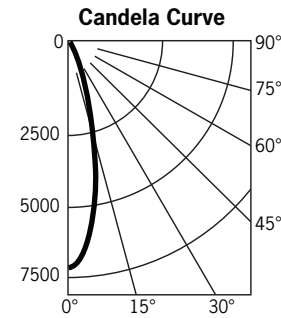
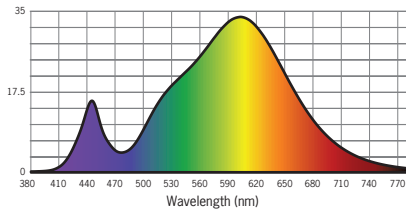
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 6'             | 960.3            | 1.2                 |
| 8'             | 540.1            | 1.6                 |
| 10'            | 345.7            | 2.0                 |
| 12'            | 240.1            | 2.4                 |
| 14'            | 176.4            | 2.7                 |
| 16'            | 135.0            | 3.1                 |

Beam Distribution: 11°  
 Spacing Criterion: 0.19

#### NCTL802927LM3

Designed for 50,000 Hour Lamp Life\*; LM-63Test No. 80825

Light Output (Fixture Lumens): 1731  
 Total Watts@120V: 27  
 Lumens Per Watt: 65  
 Color Rendering Index (CRI)<sup>1</sup>: 80  
 Color Temperature (CCT)<sup>2</sup>: 3029K Warm White  
 Spectral Power Distribution Chart<sup>3</sup>  
 LM-79 Test No. 80837



#### Candlepower Summary

| FROM 0 | CANDELA | LUMENS |
|--------|---------|--------|
| 0      | 6982    | 542    |
| 5      | 6256    | 760    |
| 15     | 2780    | 302    |
| 25     | 605     | 74     |
| 35     | 105     | 29     |
| 45     | 36      | 15     |
| 55     | 16      | 5      |
| 65     | 4       | 2      |
| 75     | 2       | 2      |
| 85     | 2       | 2      |
| 95     | 0       | 0      |

#### Intensity Distribution

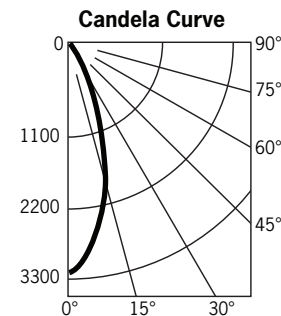
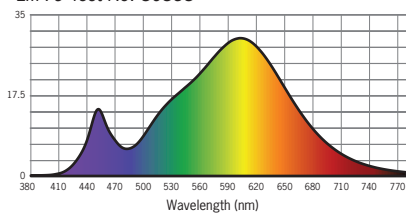
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 6'             | 193.9            | 2.6                 |
| 8'             | 109.1            | 3.5                 |
| 10'            | 69.8             | 4.3                 |
| 12'            | 48.5             | 5.2                 |
| 14'            | 35.6             | 6.1                 |
| 16'            | 27.3             | 7.0                 |

Beam Distribution: 26°  
 Spacing Criterion: 0.43

#### NCTL802927LF3

Designed for 50,000 Hour Lamp Life\*; LM-63Test No. 80826

Light Output (Fixture Lumens): 1494  
 Total Watts@120V: 26  
 Lumens Per Watt: 58  
 Color Rendering Index (CRI)<sup>1</sup>: 82  
 Color Temperature (CCT)<sup>2</sup>: 3066K Warm White  
 Spectral Power Distribution Chart<sup>3</sup>  
 LM-79 Test No. 80838



#### Candlepower Summary

| FROM 0 | CANDELA | LUMENS |
|--------|---------|--------|
| 0      | 3205    | 275    |
| 5      | 3027    | 550    |
| 15     | 2008    | 397    |
| 25     | 851     | 171    |
| 35     | 258     | 64     |
| 45     | 79      | 25     |
| 55     | 28      | 8      |
| 65     | 7       | 3      |
| 75     | 3       | 2      |
| 85     | 2       | 2      |
| 95     | 0       | 0      |

#### Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 6'             | 89.0             | 3.6                 |
| 8'             | 50.1             | 4.8                 |
| 10'            | 32.1             | 5.9                 |
| 12'            | 22.3             | 7.1                 |
| 14'            | 16.4             | 8.3                 |
| 16'            | 12.5             | 9.5                 |

Beam Distribution: 37°  
 Spacing Criterion: 0.59

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

\*Dependent on surrounding temperatures