

# CTL84C

## Gallery Series LED Cylinder Track Fixture

### Specifications/Features

#### Fixture

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

- 10W (1000lm\*)
- 14W (1400lm\*)
- 20W (1800lm\*)

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

In addition to the standard accent track fixture, the gallery series is available in a wall wash configuration; providing smooth even illumination on vertical surfaces. Constructed of die-cast aluminum, the cylindrical body provides thermal management while providing a sleek modern look, designed to quietly compliment any space.

Dimming is standard for all wattage options (120V only) and allows smooth illumination down to 10%. Compatible with most incandescent (forward phase) and ELV (reverse phase) dimmers. For dimmer compatibility, refer to [Dimming Specifications sheet](#).

Lockable, precision aiming adjustment. 360°+ aiming horizontal rotation, 90° vertical rotation.

Integral ON/OFF switch and track polarity indicator are standard.

Can accept up to (2) LF16 60MM lenses or FA-16 60MM black honeycomb louvers when used with the FA-84 accessory holder, FA-85 snoot, or BD84 barn doors, ordered separately.

Fixture weight: 2LBS.

#### Lamp

Light engine consists of a single, high lumen output CREE 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 (32°) 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 VAC Dimming  
Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

14W Driver Specifications: Input Wattage 14W; Output Current 350mA  
Input Voltage: 120V VAC Dimming  
Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

20W Driver Specifications: Input Wattage 20W; Output Current 500mA  
Input Voltage: 120V VAC Dimming  
Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

#### Warranty

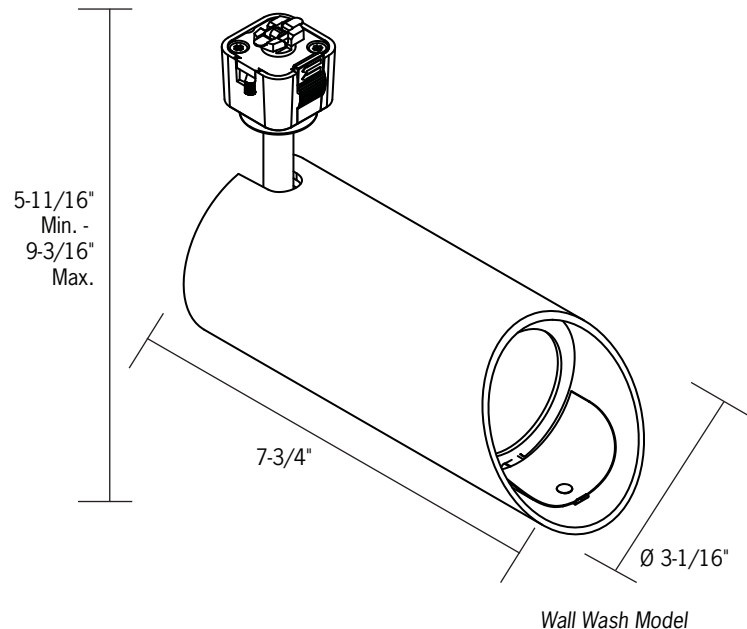
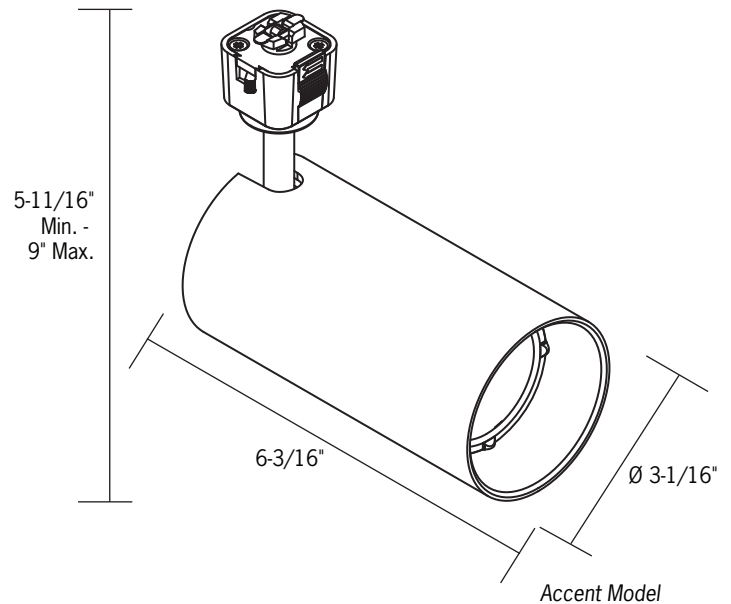
This complete fixture is covered by ConTech's full five (5) year replacement guarantee after date of purchase.

#### Listing

cCSAus certified to UL Standards. Suitable for dry locations.

#### Fixture Compatibility

Standard ConTech track fixtures are CSA Listed as-is for use with ConTech's many track systems, as well as with Juno<sup>®1</sup> Lighting track. By changing the prefix in the part number, ConTech can install inserts which make our fixtures compatible with other manufacturers. Replace "CTL" with "HTL" for Halo<sup>®2</sup> track, "LTL" for Lightolier<sup>®3</sup> track, and "PTL" for Capri<sup>®4</sup> track. For more information, please consult our factory.



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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## Gallery Series LED Cylinder Track Fixture

### Ordering Information

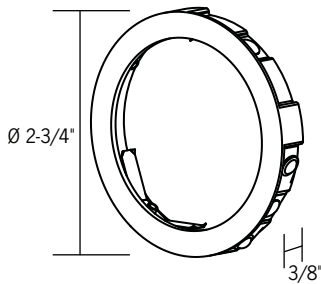
Example Order:  -

Track System	Fixture	Wattage	Beam	Color Temp	Dimming Option	Finish
<b>CTL</b> - ConTech <b>HTL</b> - Halo <b>LTL</b> - Lightolier <b>PTL</b> - Capri	<b>84</b> - Gallery Series LED Cylinder Track Fixture	<b>C1</b> - 10W/1000Lm <b>C2</b> - 14W/1400Lm <b>C3</b> - 20W/1800Lm	<b>S</b> - Spot <b>M</b> - Medium <b>F</b> - Flood <b>WW</b> - Wall Wash*	<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	<b>B</b> - Black <b>P</b> - White <b>S</b> - Silver

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\*Includes angled housing and wall wash kicker accessory

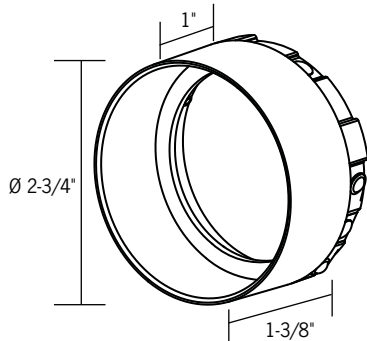
### Accessories



**Accessory Holder**  
 Will accept up to two (2) LF16\_60MM lenses or FA-16 60MM louvers. Finish: B



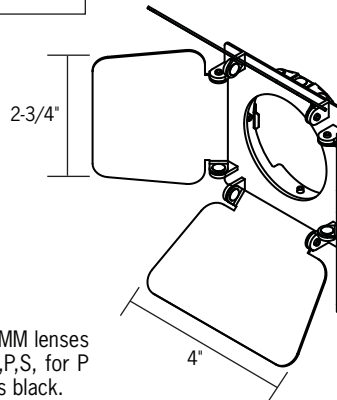
**FA-84**



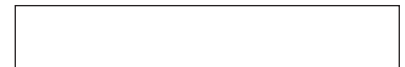
**Snoot**  
 Will accept up to two (2) LF16\_60MM lenses or FA-16 60MM louvers. Finish: B,P,S, for P and S finishes, the inside surface is black.



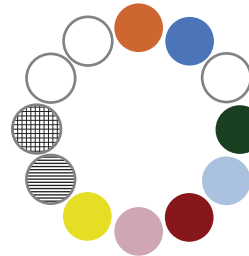
**FA-85**



**Barn Doors**  
 Barn doors extend 2-3/4" max. from face of fixture. 3-1/2" Min. - 7-3/4" max. Will accept up to two (2) LF16\_60MM lenses or FA-16 60MM louvers. Finish: B



**BD84**



### Lenses, Louvers, and Optics



- 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
- FA-16 60MM** - 2-3/8" Dia. Black Honeycomb Louver
- LF16-(A, B, CL, G, LB, R, RO, Y, 73, LS, SL, SOL) 60MM\*** - 2-3/8" Dia. Tempered Glass Lenses; Requires FA-84 Accessory Holder, FA-85 Snoot or BD84 Barn Doors

\*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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## Gallery Series LED Cylinder Track Fixture

### 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

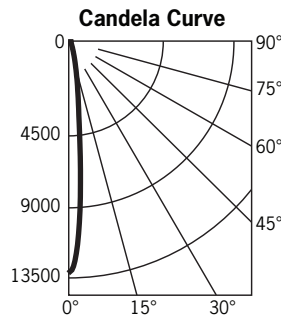
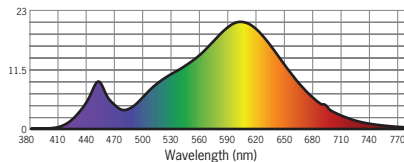
To calculate 10W values, multiply results by .74, for 20W, multiply results by 1.28

### 14W Spot Beam, 3000K: CTL84C2S3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 88246

Light Output (Fixture Delivered Lumens): 1026  
Total Watts@120V: 13; Lumens Per Watt: 78.9  
Center Beam Candle Power: 13311  
Color Rendering Index (CRI)<sup>2</sup>: 82  
Color Temperature (CCT)<sup>3</sup>: 2987K  
Spectral Power Distribution Chart<sup>4</sup>

LM-79 Test No. 88246



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	13311	
5	7986	582
15	1231	357
25	142	76
35	11	8
45	2	2
55	1	1
65	0	0
75	0	0
85	0	0
95	0	0

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	831.9	0.8
6'	369.8	1.2
8'	208.0	1.6
10'	133.1	2.0
12'	92.4	2.4
14'	67.9	2.9

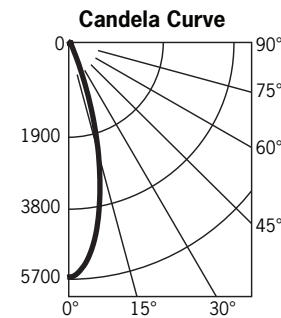
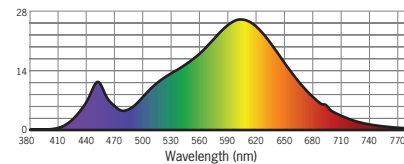
Beam Distribution: 12°  
Spacing Criterion: 0.20

### 14W Medium Beam, 3000K: CTL84C2M3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 88247

Light Output (Fixture Delivered Lumens): 1294  
Total Watts@120V: 13; Lumens Per Watt: 99.5  
Center Beam Candle Power: 5658  
Color Rendering Index (CRI)<sup>2</sup>: 82  
Color Temperature (CCT)<sup>3</sup>: 2978K  
Spectral Power Distribution Chart<sup>4</sup>

LM-79 Test No. 88247



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5658	
5	5180	456
15	2472	652
25	229	150
35	45	31
45	2	4
55	1	1
65	0	0
75	0	0
85	0	0
95	0	0

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	353.6	1.9
6'	157.2	2.8
8'	88.4	3.7
10'	56.6	4.7
12'	39.3	5.6
14'	28.9	6.5

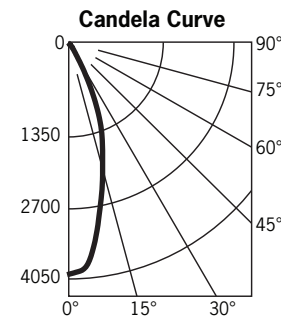
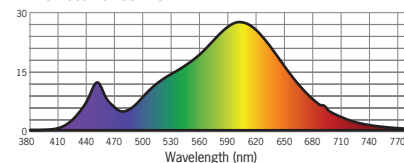
Beam Distribution: 28°  
Spacing Criterion: 0.45

### 14W Flood Beam, 3000K: CTL84C2F3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 88248

Light Output (Fixture Delivered Lumens): 1358  
Total Watts@120V: 13; Lumens Per Watt: 104.5  
Center Beam Candle Power: 3985  
Color Rendering Index (CRI)<sup>2</sup>: 82  
Color Temperature (CCT)<sup>3</sup>: 2987K  
Spectral Power Distribution Chart<sup>4</sup>

LM-79 Test No. 88248



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3985	
5	3763	329
15	2107	590
25	790	362
35	94	66
45	7	10
55	1	1
65	0	0
75	0	0
85	0	0
95	0	0

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	249.1	2.1
6'	110.7	3.1
8'	62.3	4.1
10'	39.9	5.2
12'	27.7	6.2
14'	20.3	7.2

Beam Distribution: 32°  
Spacing Criterion: 0.52

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

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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

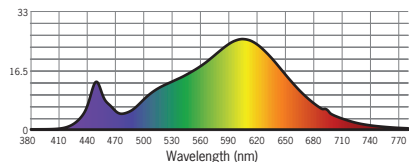
To calculate 10W values, multiply results by .74, for 20W, multiply results by 1.28

### 14W Wall Wash Beam, 3000K: CTL84C2WW3D

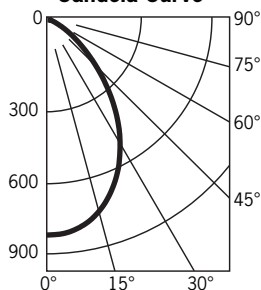
Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 87712

**Light Output (Fixture Delivered Lumens):** 1146  
**Total Watts@120V:** 13.2; **Lumens Per Watt:** 86.8  
**Center Beam Candle Power:** 826  
**Color Rendering Index (CRI)<sup>2</sup>:** 84  
**Color Temperature (CCT)<sup>3</sup>:** 3038K  
**Spectral Power Distribution Chart<sup>4</sup>**

LM-79 Test No. 87712



#### Candela Curve



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	826	
5	824	77
15	768	211
25	652	280
35	503	261
45	350	176
55	211	85
65	110	37
75	46	13
85	12	4
95	4	1

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	51.6	4.0
6'	22.9	6.1
8'	12.9	8.1
10'	8.3	10.1
12'	5.7	12.1
14'	4.2	14.1

**Beam Distribution:** 72°  
**Spacing Criterion:** 1.01

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