

DATE

PROJECT

TYPE

ETL84C | Gallery Cylinder Track Luminaire with 0-10V Dimming Track System Adapter



For use on existing 0-10V Dimming Track (Eutrac) installations only

	OTL84C1	OTL84C2
WATTAGE	10W	14W
LUMEN OUTPUT ¹	1000Lm	1400Lm
LIGHT ENGINE	Single, high lumen output CREE multi-chip LED array	
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K / 3000K Crisp White	
CRI	83 (80min) / 90+	
BEAM	12° Spot / 28° Medium / 44° Flood / Wall Wash	
DIMMING TYPE	120V Forward Phase (Incandescent) 120V Reverse Phase (ELV) 120V or 277V 0-10V Dimming: must order with "-DB" suffix	
DRIVER INPUT WATTAGE	10W	14W
DRIVER INPUT VOLTAGE	120 or 277 VAC	120 or 277 VAC
OUTPUT CURRENT	250mA	350mA
LISTINGS	cCSAus Certified to UL Standards; Suitable for Dry Locations	
WARRANTY	Five (5) year replacement after date of purchase	
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance	

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

ORDERING INFORMATION

Example Order: - -

Luminaire	Beam	Color Temp/CRI	Driver Option	Finish	Eutrac Adapter	Data Bus
ETL84C1 - 10W 1000Lm	S - 12° Spot	83 (80min) CRI 90+ CRI	D - Dimming	B - Black	- 120V 2C/2N	DB - Data Bus Adapter
ETL84C2 - 14W 1400Lm	M - 28° Medium	27 - 2700K		P - White	Leave Blank	Required for 0-10V Dimming
ETL84C3 - 20W 1800Lm	F - 44° Flood	3 - 3000K		S - Silver	27 - 277V 2C/2N	
	WW² - Wall Wash	35 - 3500K				
		4 - 4000K				
		4C - 4000K 3W - 3000K Crisp White				

2. Wall Wash Beam includes Angled Housing and Wall Wash Kicker Accessory

Accessories on Page 2

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ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION



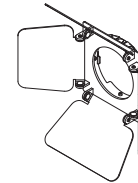
Accessory Holder

2-3/4" Dia., 3/8" D
Accepts up to two (2) LF16 60MM Lenses or FA-16 60MM Louvers. Black finish.



Snoot

2-3/4" Dia., 1-3/8" D
Snoot extends 1-inch from face of luminaire. Will accept up to two (2) LF16-* 60MM Lenses or FA-16 60MM Louvers. For White (-P) and Silver (-S) finishes, the inside surface is black.



Barn Doors

Barn doors extend 2-3/4" max. from face of fixture. Will accept up to two (2) LF16 60MM Lenses or FA-16 60MM Louvers. Black finish. Width: 3-1/2" to 7-3/4"

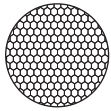
FA-84 - Black Accessory Holder

FA-85 - Snoot

Finish

B - Black
P - White
S - Silver

BD84-B - Black Barn Doors



Honeycomb Louver

2-3/8" Dia.
Requires FA-84 Accessory Holder, FA-85 Snoot or BD84 Barn Doors. Black finish.



Tempered Glass Lenses

2-3/8" Dia.
Requires FA-84 Accessory Holder, FA-85 Snoot or BD84 Barn Doors. See legend for available colors and patterns.

Replacement Optics

Optics can be easily changed in the field for optimal flexibility

FA-16 60MM - Honeycomb Louver

LF16- 60MM** - Tempered Glass Lenses

** Available Color/Patterns

-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)

2INOPTIC-S - Spot Optic
2INOPTIC-M - Medium Optic
2INOPTIC-F - Flood Optic
5500011 - 2-Inch Diffusion Disc

PRODUCT DETAILS

Construction

- **NOTE:** The Eutrac 0-10V Dimming Track systems are discontinued. The ConTech ETL Track heads are for use **ONLY** on existing Eutrac 0-10V Dimming installations.
- Luminaires must be ordered with the -DB Data Bus Track Adapter for 0-10V dimming
- Luminaire designed for gallery, museum or retail applications
- Constructed of die-cast aluminum, the cylindrical body provides thermal management
- Lockable, precision aiming adjustment: 360°+ aiming horizontal rotation, 90° vertical rotation
- Fixture weight: 2LBS
- Can accept up to (2) LF16 60MM Lenses or FA-16 60MM Black Honeycomb Louvers with the FA-84 Accessory Holder, FA-85 Snoot, or BD84 Black Barn Doors, ordered separately

Performance Summary

- Light engine consists of a single, high lumen output CREE multi-chip LED array in 2700K, 3000K, 3500K and 4000K color temperatures; CRI 80 min., 83 typical; high CRI 90+ available
- 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
- Select from 12° Spot, 28° Medium and 44° 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
- Also available in a Wall Wash configuration that provides smooth even illumination on vertical surfaces
- Dimming options allow smooth illumination down to 5%. For dimmer compatibility, refer to Dimming Specifications sheet.

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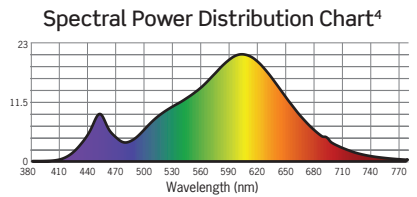
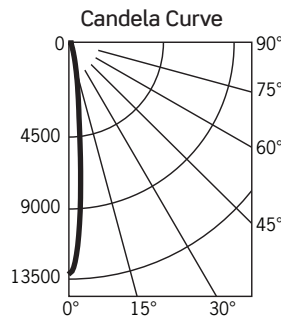
ETL84C | Gallery Cylinder Track Luminaire with 0-10V Dimming Track System Adapter

Photometrics

CTL84C2S3D

Fixture Delivered Lumens: 1026
 Total Watts@120V: 13.0
 Lumens Per Watt: 78.9
 Center Beam Candle Power: 13311
 Beam Distribution: 12°
 Spacing Criterion: 0.20
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 2987K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 88246
 LM-79 Test No. 88246

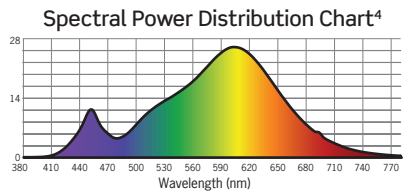
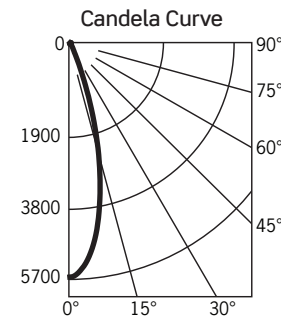
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	831.9	0.8
6'	369.8	1.2
8'	208.0	1.6
10'	133.1	2.0
12'	92.4	2.4
14'	67.9	2.9



CTL84C2M3D

Fixture Delivered Lumens: 1294
 Total Watts@120V: 13.0
 Lumens Per Watt: 99.5
 Center Beam Candle Power: 5658
 Beam Distribution: 18°
 Spacing Criterion: 0.45
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 2978K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 88247
 LM-79 Test No. 88247

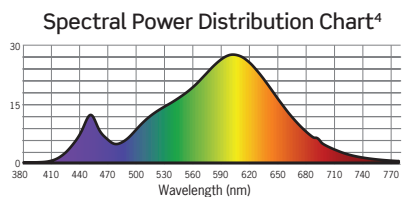
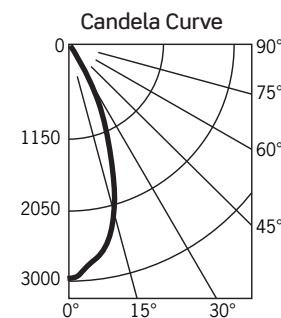
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	353.6	1.9
6'	157.2	2.8
8'	88.4	3.7
10'	56.6	4.7
12'	39.3	5.6
14'	28.9	6.5



CTL84C2F3D

Fixture Delivered Lumens: 1432
 Total Watts@120V: 13.0
 Lumens Per Watt: 108.5
 Center Beam Candle Power: 2650
 Beam Distribution: 44°
 Spacing Criterion: 0.69
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 2987K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 88248
 LM-79 Test No. 88248

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	165.6	3.2
6'	73.6	4.9
8'	41.4	6.5
10'	26.5	8.1
12'	18.4	9.7
14'	13.5	11.4



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

CCT	Std. 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 values, multiply results by 1.28

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Photometrics

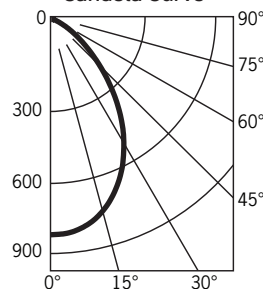
CTL84C2WW3D

Fixture Delivered Lumens: 1146
 Total Watts@120V: 13.2
 Lumens Per Watt: 86.8
 Center Beam Candle Power: 826
 Beam Distribution: 72°
 Spacing Criterion: 1.01
 Color Rendering Index (CRI)¹: 84
 Color Temperature (CCT)²: 3038K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 87712
 LM-79 Test No. 87712

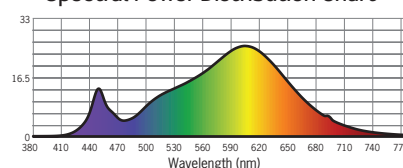
Intensity Distribution

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

Candela Curve



Spectral Power Distribution Chart⁴



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

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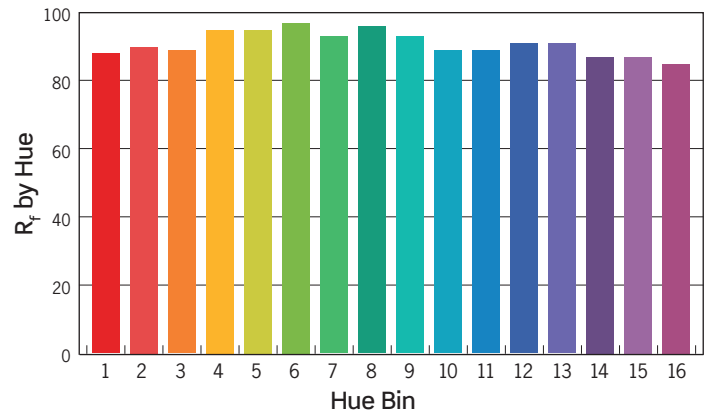
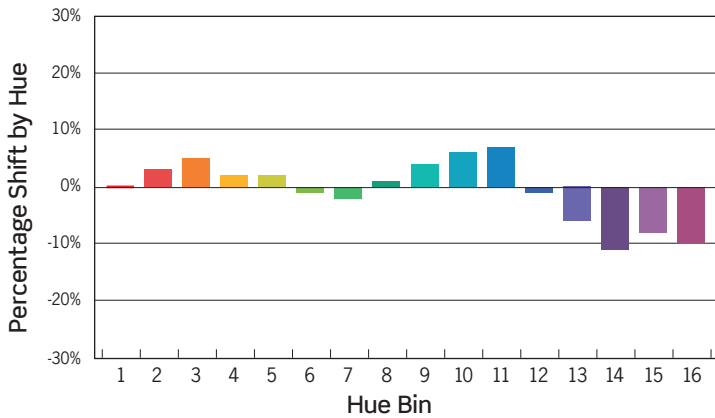
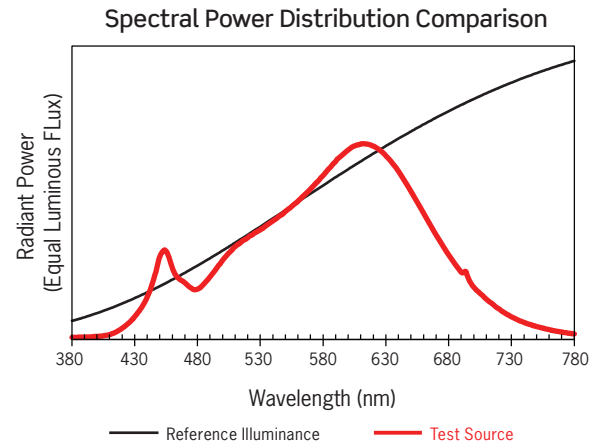
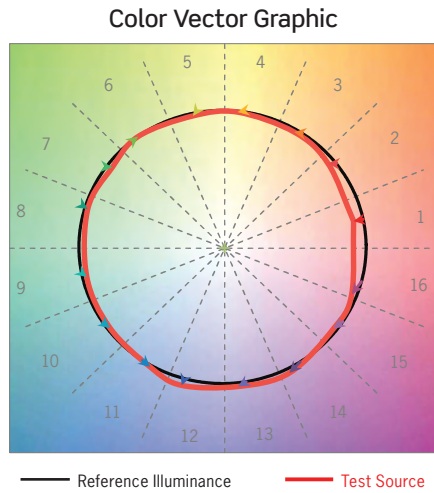
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Photometrics

TM-30 Data: CTL84C3F3CD

ANSI/IES TM-30-18 Color Rendition Report Test No. S21020901

R _f	91
R _g	97
CCT(K)	3069K
D _{uv}	0.0015
u ^l	0.2476
v ^l	0.5220



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	3%	5%	2%	2%	-1%	-2%	1%	4%	6%	7%	-1%	-6%	-11%	-8%	-10%
R _f VALUE	88	90	89	95	95	97	93	96	93	89	89	91	91	87	87	85

Colors are for visual orientation purposes only

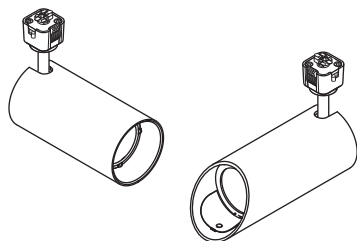
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DIMMING SPECIFICATIONS | Gallery Series Track Luminaires: CTL84C, CTL84X

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic low voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.



CTL84 Series: “D” Driver Option

Light Output

Manufacturer	Model	10W	14W	20W	Xicato 16W	Xicato 23W
Leviton	6161	13% - 100%	10% - 99%	10% - 99%	13% - 99%	12% - 99%
Leviton	IPE04	4% - 100%	3% - 100%	5% - 99%	6% - 99%	6% - 99%
Leviton	IPI06-1LZ	0% - 100%	0% - 99%	1% - 99%	1% - 99%	–
Leviton	VPE06	6% - 100%	5% - 100%	8% - 100%	8% - 100%	9% - 95%
Leviton	6633-P	1% - 100%	0% - 100%	–	3% - 100%	2% - 99%
Leviton	6683-IW	2% - 100%	2% - 100%	4% - 100%	13% - 100%	–
Cooper	DAL06P	1% - 100%	0% - 100%	3% - 100%	–	–
Cooper	DLC03P	1% - 100%	0% - 100%	2% - 100%	2% - 100%	2% - 99%
Cooper	SLC03P	0% - 100%	0% - 100%	0% - 100%	1% - 100%	1% - 99%
Lightolier	ZP260QEW	4% - 100%	3% - 99%	4% - 99%	4% - 98%	5% - 98%
Lutron	CT103P	8% - 100%	6% - 99%	6% - 99%	9% - 99%	10% - 99%
Lutron	DVCL-153P	0% - 100%	0% - 99%	0% - 99%	–	–
Lutron	DVELV303P	4% - 99%	3% - 97%	5% - 97%	6% - 96%	6% - 94%
Lutron	FAELV500	8% - 100%	7% - 99%	9% - 99%	10% - 99%	11% - 99%
Lutron	LG600P	–	5% - 99%	5% - 99%	–	8% - 99%
Lutron	MAELV600	8% - 100%	7% - 99%	9% - 99%	10% - 99%	11% - 99%
Lutron	S600P	3% - 100%	1% - 99%	–	–	5% - 99%
Lutron	SELV300P	4% - 98%	3% - 97%	5% - 96%	6% - 95%	7% - 100%
Lutron	TG-600P	10% - 100%	13% - 99%	12% - 99%	16% - 99%	15% - 99%
Lutron	TGCL-153P	2% - 100%	2% - 99%	4% - 99%	–	–

Notes

1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.