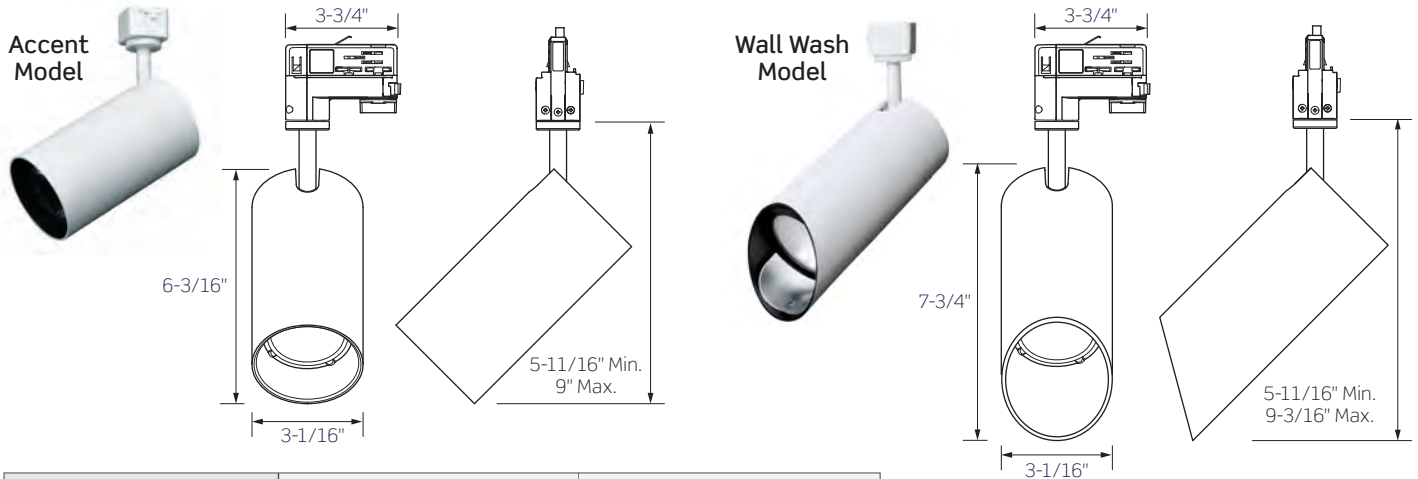


DATE

PROJECT

TYPE

OTL84C SERIES | Gallery Cylinder Luminaire with 0-10V Dimming Track System Adapter



	OTL84C1	OTL84C2
WATTAGE	10W	14W
LUMEN OUTPUT ¹	1186Lm	1649Lm
LIGHT ENGINE	Single, high lumen output, multi-chip LED array	
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K / 3000K Crisp White	
CRI	83 (80min) / 90+	
BEAM	10° Spot / 28° Medium / 47° Flood / Wall Wash	
DIMMING TYPE ²	120V / 277V 0-10V Dimming	
DRIVER INPUT VOLTAGE	120V / 277V, 50/60Hz	
DRIVER INPUT WATTAGE	10W	14W
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 ³	Finish
OTL84C1 - 10W / 1186Lm	S - 10° Spot	83 (80min) CRI 90+ CRI	12D2 - 120V 0-10V Dimming	B - Black
OTL84C2 - 14W / 1649Lm	M - 28° Medium	27 - 2700K 27C - 2700K	27D2 - 277V 0-10V Dimming	P - White
	F - 47° Flood	3 - 3000K 3C - 3000K		S - Silver
	WW² - Wall Wash	35 - 3500K 35C - 3500K		
		4 - 4000K 4C - 4000K		

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

3. Selected Driver Voltage MUST match Track System Voltage

For accessory ordering information, see Page 2

DATE

PROJECT

TYPE

OTL84C SERIES | Gallery Cylinder Luminaire with 0-10V Dimming Track System Adapter

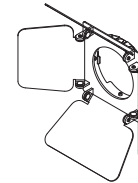
ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION



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.



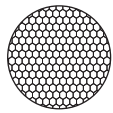
Barn Doors
Barn doors extend 2-3/4" max. from face of fixture. Will accept up to two (2) LF16 OMM Lenses or FA-16 60MM Louvers. Black finish. Width: 3-1/2" to 7-3/4"

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)

CTL84C-OPTIC-S - Spot Optic
CTL84C-OPTIC-M - Medium Optic
CTL84C-OPTIC-F - Flood Optic
5500011 - 2-Inch Diffusion Disc

PRODUCT DETAILS

Construction

- 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, 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 10° Spot, 28° Medium and 47° 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.

Fixture Compatibility

- ConTech OTL Track Luminaires are only compatible with the ConTech Lighting O2CD 0-10V Dimming Track System

DATE

PROJECT

TYPE

OTL84C SERIES | Gallery Cylinder Luminaire with 0-10V Dimming Track System Adapter

PHOTOMETRICS

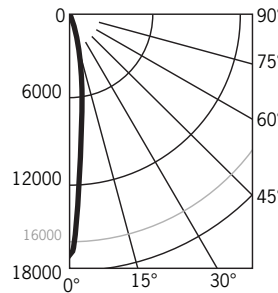
CTL84C3S3D: Spot Optic

Fixture Delivered Lumens: 2201.07
 Total Watts@120V: 19.691
 Lumens Per Watt: 111.73
 Center Beam Candle Power: 17172
 Beam Distribution: 10.04°
 Spacing Criterion: 0.2918
 Color Rendering Index (CRI)1: 83
 Color Temperature (CCT)2: 3066K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012401
 LM-79 Test No. S24012601

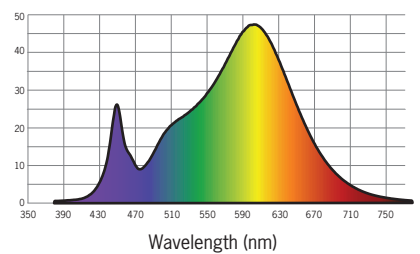
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1073.2	0.70
6'	477.0	1.05
8'	268.3	1.41
10'	171.1	1.76
12'	119.2	2.11
14'	87.6	2.46

Candela Curve



Spectral Power Distribution Chart⁴



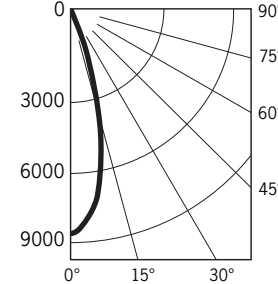
CTL84C3M3D: Medium Optic

Fixture Delivered Lumens: 2293.29
 Total Watts@120V: 19.684
 Lumens Per Watt: 116.411
 Center Beam Candle Power: 8643
 Beam Distribution: 28.37°
 Spacing Criterion: 0.4748
 Color Rendering Index (CRI)1: 83
 Color Temperature (CCT)2: 3066K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012402
 LM-79 Test No. S24012601

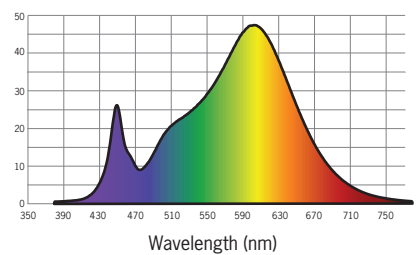
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	540.2	2.02
6 FT	240.1	3.03
8 FT	135.0	4.04
10 FT	86.4	5.06
12 FT	60.0	6.07
14 FT	44.1	7.08

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

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature and Luminaire Wattage/Output. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS				OUTPUT MULTIPLIERS	
CCT	STD CRI	HIGH CRI	CRISP WHITE	10W/SERIES 1	20W/SERIES 3
2700K	.949	.842	N/A	.517	.719
3000K	N/A	.872	.568		
3500K	1.02	.895	N/A		
4000K	1.04	.916	N/A		

DATE

PROJECT

TYPE

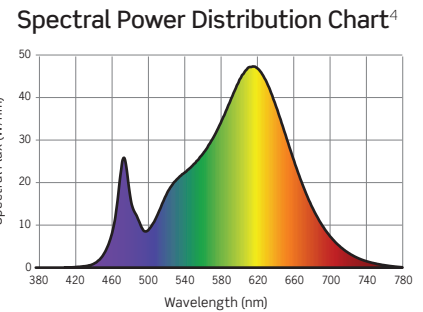
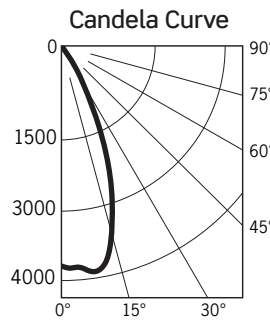
OTL84C SERIES | Gallery Cylinder Luminaire with 0-10V Dimming Track System Adapter

PHOTOMETRICS

CTL84C3F3D: Flood Optic

Fixture Delivered Lumens: 2255.56
 Total Watts@120V: 19.695
 Lumens Per Watt: 114.496
 Center Beam Candle Power: 3761
 Beam Distribution: 47.23°
 Spacing Criterion: 0.7073
 Color Rendering Index (CRI)1: 83
 Color Temperature (CCT)2: 3066K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012501
 LM-79 Test No. S24012601

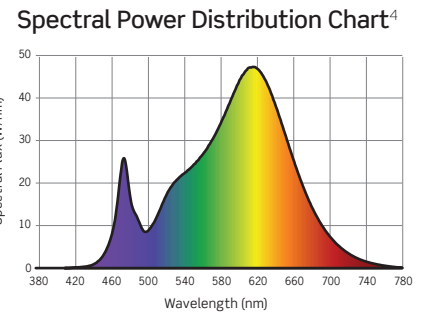
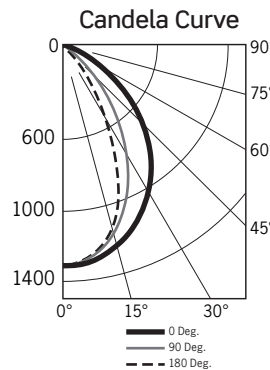
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	235.0	3.50
6 FT	104.5	5.25
8 FT	58.8	7.00
10 FT	37.6	8.74
12 FT	26.1	10.49
14 FT	19.2	12.24



CTL84C3WW3D: Wall Wash

Fixture Delivered Lumens: 1674.66
 Total Watts@120V: 19.635
 Lumens Per Watt: 85.442
 Center Beam Candle Power: 1302
 Beam Distribution: 72.91°
 Spacing Criterion: 1.005
 Color Rendering Index (CRI)1: 83
 Color Temperature (CCT)2: 3066K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012502
 LM-79 Test No. S24012601

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	81.4	6.13
6 FT	36.2	9.19
8 FT	20.3	12.25
10 FT	13.0	15.32
12 FT	9.0	18.38
14 FT	6.6	21.44



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

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CCT MULTIPLIERS				OUTPUT MULTIPLIERS	
CCT	STD CRI	HIGH CRI	CRISP WHITE	10W/SERIES 1	20W/SERIES 3
2700K	.949	.842	N/A	.517	.719
3000K	N/A	.872	.568		
3500K	1.02	.895	N/A		
4000K	1.04	.916	N/A		

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PROJECT

TYPE

OTL84C SERIES | Gallery Cylinder Luminaire with 0-10V Dimming Track System Adapter

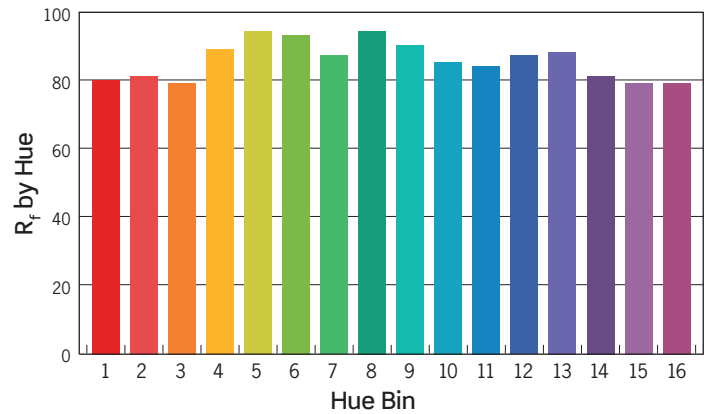
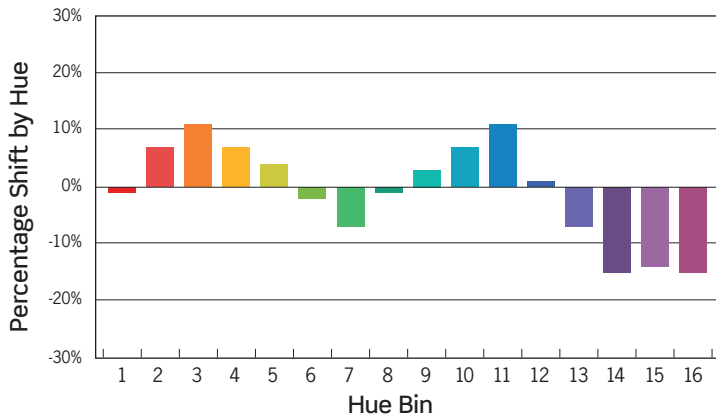
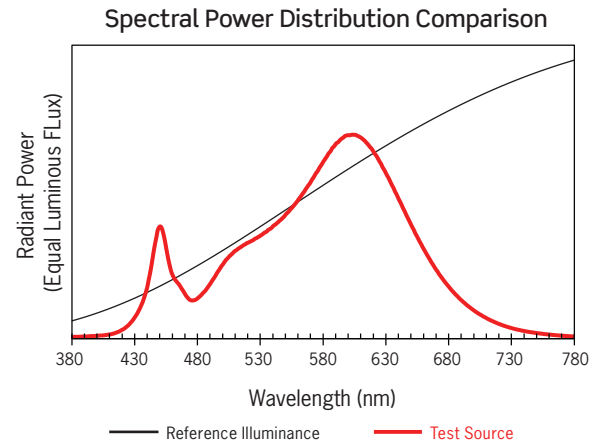
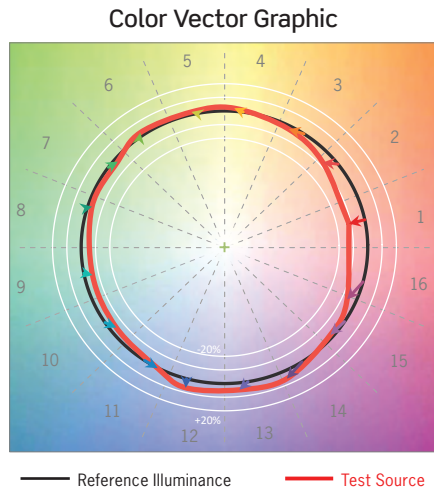
PHOTOMETRICS

TM-30 DATA: NCTL84C3F3CD

ANSI/IES TM-30-18 Color Rendition Report Test No. S24012601

Colors are for visual orientation purposes only

R_f	86
R_g	96
CCT(K)	3066K
D_{uv}	0.0001
u^l	0.2483
v^l	0.5201



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	7%	11%	7%	4%	-2%	-7%	-1%	3%	7%	11%	1%	-7%	-15%	-14%	-15%
R _f VALUE	80	81	79	89	94	93	87	94	90	85	84	87	88	81	79	79

Colors are for visual orientation purposes only