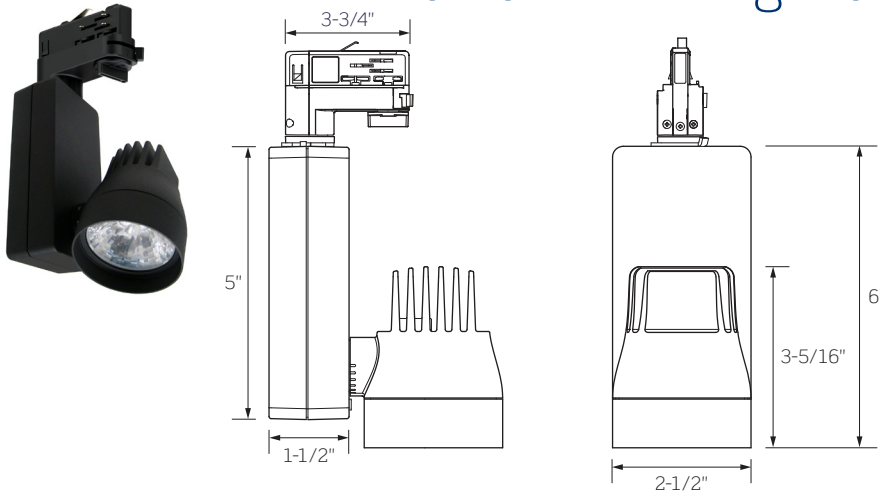


DATE

PROJECT

TYPE

OTL806 SERIES | O2 Mini Luminaire with 0-10V Dimming Track System Adapter



	OTL8061	OTL8062	OTL8063
WATTAGE	10W	14W	20W
LUMEN OUTPUT ¹	1255Lm	1723Lm	2328Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K / 3000K Crisp White		
CRI	83 (80min) / 90+		
BEAM	10° Spot, 28° Medium, 48° Flood		
DRIVER INPUT WATTAGE	10W	14W	20W
DRIVER INPUT VOLTAGE	120V or 277V, 50/60Hz		
DIMMING	120V or 277V 0-10V Dimming		
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	Orientation	Beam	Color Temp/CRI	Driver ²	Finish
OTL8061 - 10W / 1255Lm	V - Vertical	S - 10° Spot	83 (80min) CRI 90+ CRI	12D2 - 120V 0-10V Dimming 27D2 - 277V 0-10V Dimming	B - Black P - White S - Silver
OTL8062 - 14W / 1723Lm		M - 28° Medium	27 - 2700K 27C - 2700K		
OTL8063 - 20W / 2328Lm		F - 48° Flood	3 - 3000K 3C - 3000K 35 - 3500K 35C - 3500K 4 - 4000K 4C - 4000K 3W - 3000K Crisp White		

2. Selected Driver Voltage MUST match Track System Voltage

Accessories on Page 2

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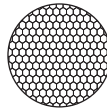
TYPE

OTL806 SERIES | O2 Mini Luminaire with 0-10V Dimming Track System Adapter

ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION



Snoot/Accessory Holder
2-3/4" Dia., 1" 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.



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.

FA-43- Snoot

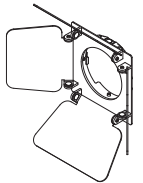
Finish
B - Black
P - White
S - Silver

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)



Barn Doors
Barn doors extend 2-5/8" 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 7-1/4"

Replacement Optics
Optics can be easily changed in the field for optimal flexibility

BD16A - Black Barn Doors

CTL806-OPTIC-S - Spot Beam
CTL806-OPTIC-M - Medium Beam
CTL806-OPTIC-F - Flood Beam
5500011 - 2-Inch Diffusion Disc

PRODUCT DETAILS

Construction

- High performance, small scale LED track luminaire
- Constructed of die-cast aluminum, Heat-sink and Driver Housing provide a sleek modern look
- Lockable, precision aiming adjustment: 360°+ Horizontal rotation, 180° Vertical rotation
- Can accept up to (2) LF16 60MM Lenses or FA-16 60MM Black Honeycomb Louvers when used with the FA-43 Snoot/Accessory Holder, ordered separately

Performance Summary

- Select from 2700K, 3000K, 3500K and 4000K color temperatures with a CRI of 80 min., 83 typical; high CRI of 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 48° 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
- Dimming options allow smooth illumination down to 10%. 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

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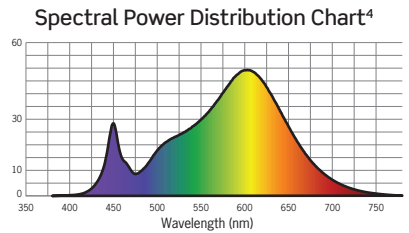
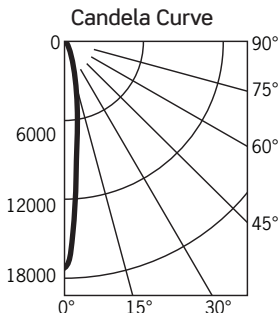
OTL806 SERIES | O2 Mini Luminaire with 0-10V Dimming Track System Adapter

PHOTOMETRICS

CTL8063HS3D

Fixture Delivered Lumens: 2237.12
 Total Watts@120V: 19.905
 Lumens Per Watt: 112.418
 Center Beam Candle Power: 17279
 Beam Distribution: 10.24°
 Spacing Criterion: 0.2893
 Color Rendering Index (CRI)¹: 82.9
 Color Temperature (CCT)²: 3071K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012603
 LM-79 Test No. S24012901

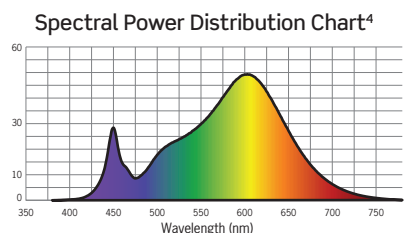
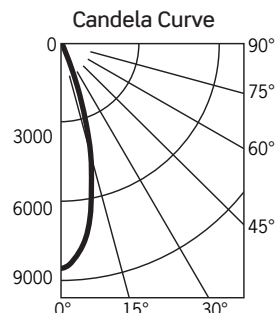
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1079.9	0.72
6'	480.0	1.08
8'	270.0	1.43
10'	172.8	1.79
12'	120.0	2.15
14'	88.2	2.51



CTL8063HM3D

Fixture Delivered Lumens: 2327.82
 Total Watts@120V: 19.914
 Lumens Per Watt: 116.976
 Center Beam Candle Power: 8558
 Beam Distribution: 28.34°
 Spacing Criterion: 0.4765
 Color Rendering Index (CRI)¹: 82.9
 Color Temperature (CCT)²: 3071K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012604
 LM-79 Test No. S24012901

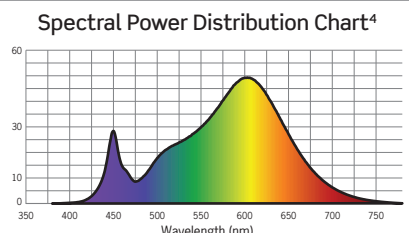
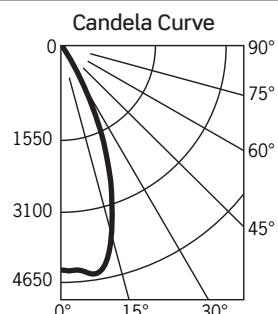
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	534.9	2.02
6'	237.7	3.03
8'	133.7	4.04
10'	85.6	5.05
12'	59.4	6.06
14'	43.7	7.07



CTL8063HF3D

Fixture Delivered Lumens: 2293.43
 Total Watts@120V: 19.9
 Lumens Per Watt: 115.248
 Center Beam Candle Power: 3802
 Beam Distribution: 47.56°
 Spacing Criterion: 0.7051
 Color Rendering Index (CRI)¹: 82.9
 Color Temperature (CCT)²: 3071K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24012605
 LM-79 Test No. S24012901

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	237.6	3.53
6'	105.6	5.29
8'	59.4	7.05
10'	38.0	8.81
12'	26.4	10.58
14'	19.4	12.34



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	14W/SERIES 2
2700K	.949	.842	N/A	0.539	0.74
3000K	N/A	.872	.488		
3500K	1.02	.895	N/A		
4000K	1.04	.916	N/A		

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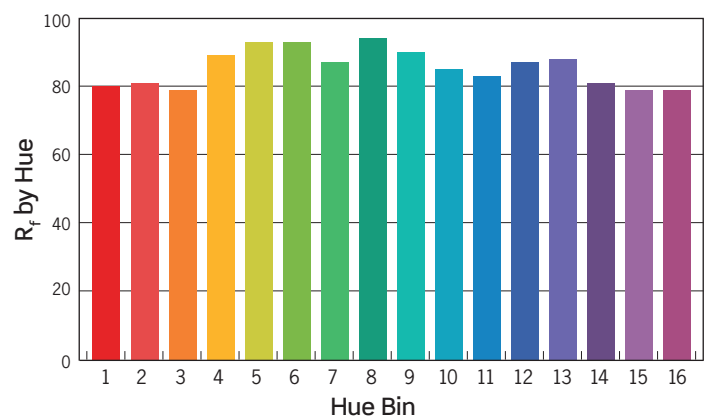
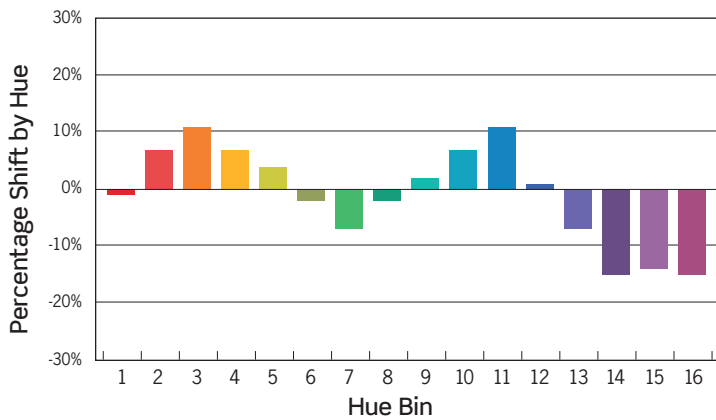
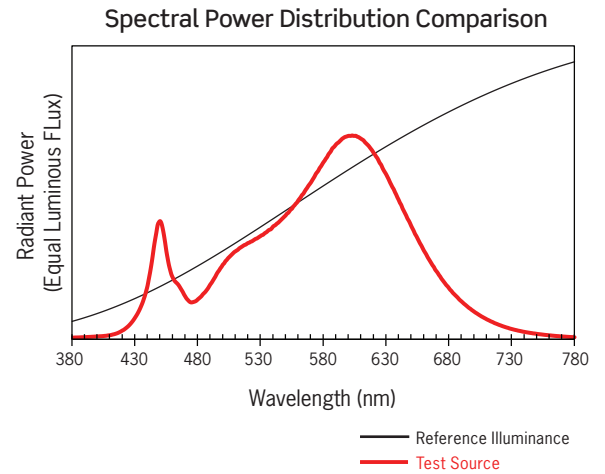
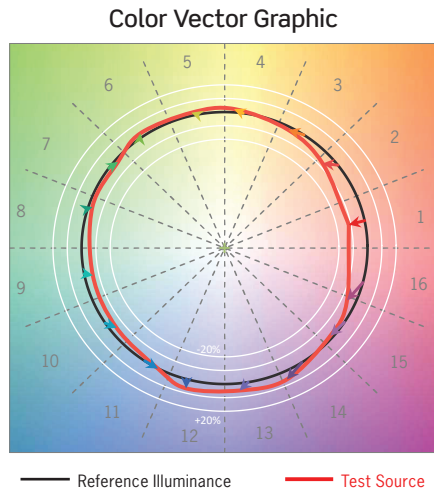
OTL806 SERIES | O2 Mini Luminaire with 0-10V Dimming Track System Adapter

PHOTOMETRICS

TM-30 Data: CTL8063HM3D

ANSI/IES TM-30-18 Color Rendition Report Test No. S24012901

R_f	86
R_g	96
CCT(K)	3071 K
D_{uv}	-0.0001
u^i	0.2481
v^i	0.5199



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%	-2%	2%	7%	11%	1%	-7%	-15%	-14%	-15%
R_f VALUE	80	81	79	89	93	93	87	94	90	85	83	87	88	81	79	79

Colors are for visual orientation purposes only