

# ETL825 V

## O3 Vertical Housing Dimmable LED Track Fixture with 0-10V Dimming Track System Adapter

### Specifications/Features

#### Fixture

High performance, eco-friendly LED track fixture available in five (5) wattages. Providing a sleek, modern look, the fixture head and housing have been designed to quietly compliment any space.

Heat sink has been thermally engineered to provide optimal heat dissipation ensuring long life and consistent performance.

Dimming is available (120V only) and allows smooth illumination down to 1%.

Optional 0-10V dimming is available. Fixtures must be ordered with the -DB Data Bus Track adapter option for use on the ConTech E2CD 2-Circuit/2-Neutral Data Bus Track System.

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

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

Can accept up to two (2) media by using the FA-49 Accessory Holder or the FA-45 Snoot/Accessory Holder.

#### Lamp

Light engine consists of a single, high lumen output multi-chip LED array.

Available in the following color temperatures: 2700K, 3000K, 3500K and 4000K; CRI 80 min., 83 Typical. High CRI 90+ available.

Excellent fixture to fixture color consistency within a 3-step MacAdam Ellipse tolerance.

Available in 11° Spot, 25° Medium, 36° Flood and 58° Wide Flood beams; each distribution is achieved utilizing specular spun metal reflectors. Each reflector has 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.

System designed and rated for 50,000 hours at 70% lumen maintenance.

#### Electrical

Nominal Wattage	Driver Option*	Input Wattage	Input Voltage	Frequency
20W/2031Lm**	D	19.0W	120V/277V	50/60Hz
	D3	22.0W	120V	50/60Hz
29W/2818Lm**	D	27.2W	120V/277V	50/60Hz
	D3	30.5W	120V	50/60Hz
36W/3483Lm**	D	36.6W	120V/277V	50/60Hz
	D3	38.5W	120V	50/60Hz
42W/3803Lm**	D	42.8W	120V/277V	50/60Hz
	D3	44.9W	120V	50/60Hz
49W/4295Lm**	D	48.7W	120V/277V	50/60Hz

\*Dimmable at 120V only

\*\*3000K Flood Beam

The O3 fixtures utilize drivers manufactured by ERP and Lutron. For additional information, please consult factory.

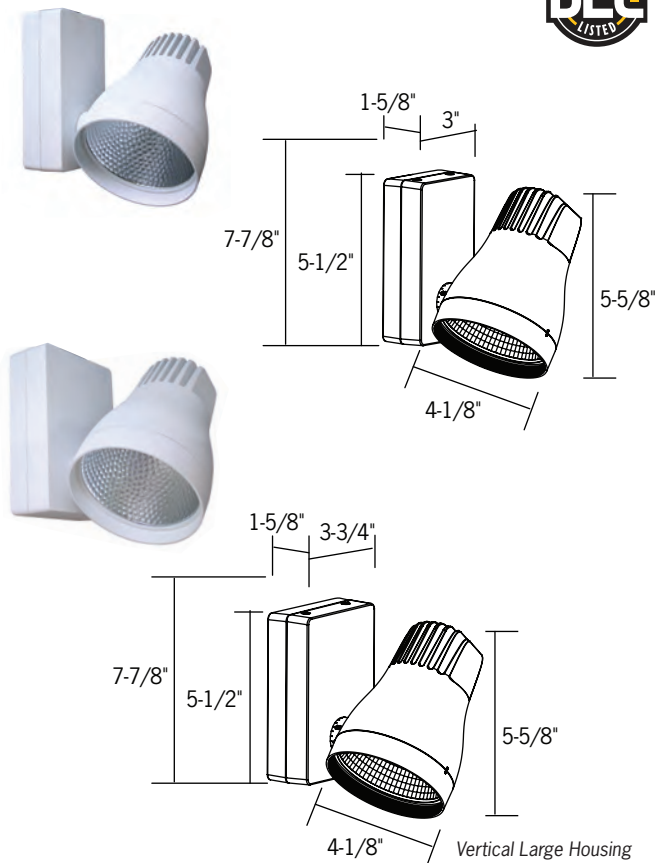
#### Warranty

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.

DLC listed except for D3 dimming option.



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### Ordering Information

Example Order:  —

Fixture	Orientation	Beam	Color Temp	Driver Option	Finish	Eutrac Adapter	Data Bus
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ETL8251</b> - 20W <b>ETL8252</b> - 29W <b>ETL8253</b> - 36W <b>ETL8254</b> - 42W <b>ETL8255</b> - 49W	<b>V</b> - Vertical <b>VL</b> - Vertical Large (D3 Lutron Dimming Only)	<b>S</b> - Spot <b>M</b> - Medium <b>F</b> - Flood <b>W</b> - Wide Flood	<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>D</b> - Triac or ELV Dimming; 0-10V Dimming with -DB Data Bus option <b>D3</b> - Lutron Hi-lume 1% 2-Wire LED Driver (120V Forward Phase Only) VL Housing Only, Not Available on 49W	<b>B</b> - Black <b>P</b> - White <b>S</b> - Silver	<b>Blank</b> - 2C/2N 120V <b>27</b> - 2C/2N 277V	<b>DB</b> - Data Bus

#### Accessories

**CTL805REFL-S** - Spot Beam Reflector  
**CTL805REFL-M** - Medium Beam Reflector  
**CTL805REFL-F** - Flood Beam Reflector  
**CTL805REFL-W** - Wide Flood Beam Reflector  
**LA-45** - Black Honeycomb Louver  
**BD825-B** - Black Barn Doors  
**FA-45-(B,P,S)** - 1" Snoot/Accessory Holder  
**FA-49-(B,P,S)** - Accessory Holder  
**LF20-\*** - 3-3/4" 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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## 03 Vertical Housing Dimmable LED Track Fixture with 0-10V Dimming Track System Adapter

### 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:

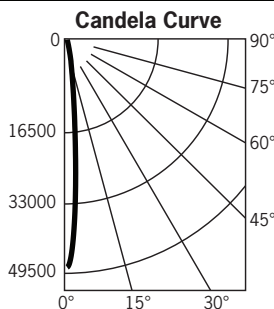
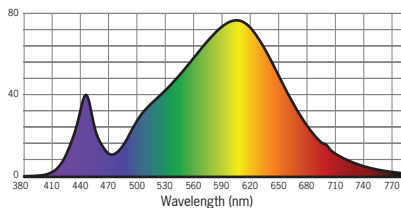
CCT	Standard CRI	High CRI
2700K	.95	.76
3000K	N/A	.81
3500K	1.00	.81
4000K	1.05	.86

To estimate output at 20W, 29W, 36W, and 49W; please multiply the 42W results by the following: 20W (.534), 29W (.741), 36W (.915), 49W (1.12).

### ETL8254VS3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 82694

**Light Output (Fixture Delivered Lumens):** 3647  
**Total Watts@120V:** 42.8  
**Lumens Per Watt:** 85.2  
**Color Rendering Index (CRI)<sup>1</sup>:** 82  
**Color Temperature (CCT)<sup>2</sup>:** 3048K Neutral White  
**Spectral Power Distribution Chart<sup>3</sup>**



FROM 0	CANDELA	LUMENS
0	48307	
5	27611	1982
15	2808	901
25	1411	621
35	23	91
45	14	11
55	11	10
65	14	13
75	10	11
85	5	6
95	0	

### Intensity Distribution

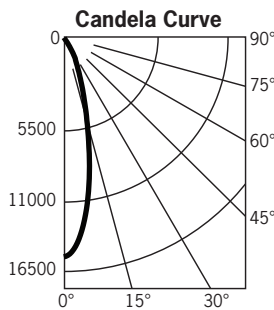
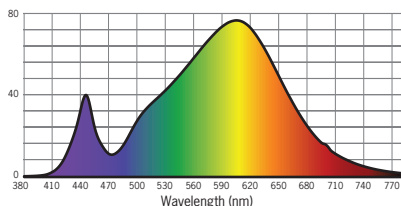
DISTANCE (FT.)	FOOTCANDELS (FC)	BEAM DIAMETER (FT.)
6'	1341.9	1.2
8'	754.8	1.6
10'	483.1	2.0
12'	335.5	2.3
14'	246.5	2.7
16'	188.7	3.1

**Beam Distribution:** 11°  
**Spacing Criteria:** 0.20

### ETL8254VM3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 82695

**Light Output (Fixture Delivered Lumens):** 3793  
**Total Watts@120V:** 42.7  
**Lumens Per Watt:** 88.8  
**Color Rendering Index (CRI)<sup>1</sup>:** 82  
**Color Temperature (CCT)<sup>2</sup>:** 3048K Neutral White  
**Spectral Power Distribution Chart<sup>3</sup>**



FROM 0	CANDELA	LUMENS
0	15299	
5	13454	1157
15	5699	1591
25	1892	886
35	23	104
45	15	12
55	14	13
65	13	13
75	11	12
85	5	6
95	0	

### Intensity Distribution

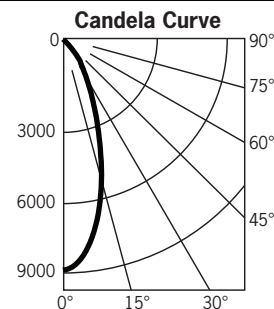
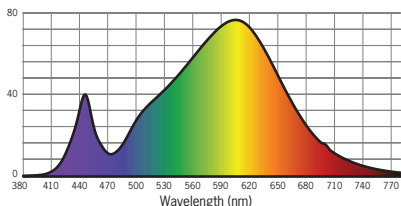
DISTANCE (FT.)	FOOTCANDELS (FC)	BEAM DIAMETER (FT.)
6'	425.0	2.5
8'	239.0	3.3
10'	153.0	4.1
12'	106.2	5.0
14'	78.1	5.8
16'	59.8	6.6

**Beam Distribution:** 25°  
**Spacing Criteria:** 0.41

### ETL8254VF3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 82696

**Light Output (Fixture Delivered Lumens):** 3802  
**Total Watts@120V:** 42.8  
**Lumens Per Watt:** 88.9  
**Color Rendering Index (CRI)<sup>1</sup>:** 82  
**Color Temperature (CCT)<sup>2</sup>:** 3048K Neutral White  
**Spectral Power Distribution Chart<sup>3</sup>**



FROM 0	CANDELA	LUMENS
0	8872	
5	8408	759
15	5375	1490
25	2763	1238
35	233	251
45	19	18
55	15	13
65	14	14
75	12	13
85	6	6
95	0	

### Intensity Distribution

DISTANCE (FT.)	FOOTCANDELS (FC)	BEAM DIAMETER (FT.)
6'	246.4	3.5
8'	138.6	4.6
10'	88.7	5.8
12'	61.6	7.0
14'	45.3	8.1
16'	34.7	9.3

**Beam Distribution:** 36°  
**Spacing Criteria:** 0.58

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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## 03 Vertical Housing Dimmable LED Track Fixture with 0-10V Dimming Track System Adapter

### 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
2700K	.95	.76
3000K	N/A	.81
3500K	1.00	.81
4000K	1.05	.86

To estimate output at 20W, 29W, 36W, and 49W; please multiply the 42W results by the following: 20W (.534), 29W (.741), 36W (.915), 49W (1.12).

### ETL8254VW3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 85568

Light Output (Fixture Delivered Lumens): 3338

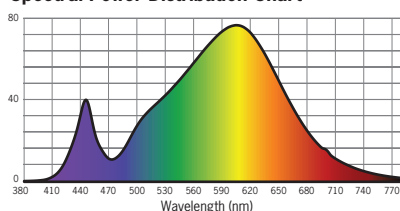
Total Watts@120V: 42.0

Lumens Per Watt: 79.5

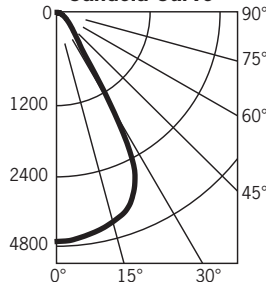
Color Rendering Index (CRI)<sup>1</sup>: 82

Color Temperature (CCT)<sup>2</sup>: 3048K Neutral White

Spectral Power Distribution Chart<sup>3</sup>



### Candela Curve



### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3522	
5	3488	331
15	3314	934
25	2757	1170
35	574	413
45	279	219
55	155	140
65	82	82
75	33	36
85	14	13
95	0	

### Intensity Distribution

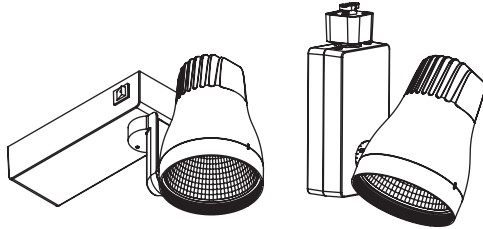
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	220.1	4.0
6'	97.8	6.0
8'	55.0	8.0
10'	35.2	10.0
12'	24.5	12.0
14'	18.0	14.0

Beam Distribution: 58°

Spacing Criteria: 0.82

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

- 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.
- Lutron HiLume drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit [www.lutron.com](http://www.lutron.com)



			<b>CTL825 Series: "D" Driver Option</b>			
			<b>Light Output</b>			
<b>Manufacturer</b>	<b>Product</b>	<b>Model</b>	<b>20W</b>	<b>28W</b>	<b>35W</b>	<b>41W</b>
Cooper	Devine	DAL06P	0% - 100%	1% - 100%	3% - 99%	N/A
Cooper	Decorator	DLC03P	2% - 100%	3% - 100%	N/A	4% - 100%
Cooper	Skye	SLC03P	0% - 100%	5% - 100%	N/A	N/A
Leviton	Decora	6161	17% - 100%	19% - 100%	19% - 99%	N/A
Leviton	SureSlide	6631-2	1% - 100%	0% - 100%	0% - 100%	N/A
Leviton	SureSlide	6633-P	2% - 100%	1% - 100%	2% - 99%	3% - 100%
Leviton	Trimatron	6683-IW	6% - 100%	6% - 100%	N/A	7% - 100%
Leviton	IllumaTech	IPE04	8% - 100%	9% - 100%	9% - 99%	8% - 100%
Leviton	IllumaTech	IPI06-1LZ	2% - 100%	1% - 100%	1% - 100%	1% - 100%
Leviton	Vizia	VPE06	11% - 100%	13% - 100%	13% - 99%	12% - 100%
Leviton	Vizia	VPI06	N/A	N/A	11% - 96%	N/A
Lightolier	Momentum	ZP260QEW	N/A	10% - 97%	N/A	10% - 100%
Lutron	Skylark Contour	CT103P	12% - 100%	10% - 99%	N/A	N/A
Lutron	Diva	DV600P	8% - 100%	6% - 100%	N/A	8% - 100%
Lutron	Diva	DV603P	N/A	N/A	6% - 99%	N/A
Lutron	Diva	DVCL-153P	1% - 100%	0% - 99%	3% - 100%	N/A
Lutron	Diva	DVELV303P	8% - 100%	9% - 99%	9% - 99%	9% - 100%
Lutron	Faetra	FAELV500	14% - 100%	15% - 100%	15% - 98%	15% - 100%
Lutron	Lumea	LG600P	8% - 100%	6% - 100%	6% - 99%	N/A
Lutron	Maestro	MAELV600	14% - 100%	15% - 100%	15% - 99%	15% - 100%
Lutron	Maestro	MAW600	N/A	N/A	6% - 99%	N/A
Lutron	Skylark	S600P	4% - 100%	2% - 100%	N/A	4% - 100%
Lutron	Skylark	S-603PG	7% - 96%	5% - 88%	N/A	7% - 99%
Lutron	Skylark	SELV300P	8% - 100%	10% - 98%	10% - 99%	10% - 100%
Lutron	Toggler	TG-600P	15% - 100%	N/A	12% - 99%	17% - 100%
Lutron	Toggler	TGCL-153P	6% - 100%	7% - 100%	6% - 99%	8% - 100%

**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.