

### Specifications/Features

#### Fixture

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

- 11W (950lm\*)
- 16W (1150lm\*)
- 24W (1500lm\*)

\*Lumen values are approximate, see page 2 for photometric test results.

Constructed of die-cast aluminum, the heat-sink and driver housing provide a sleek modern look, designed to quietly compliment any space.

Dimming is standard for all wattage options and allows smooth illumination down to 10%.

Lockable, precision aiming adjustment. 360°+ aiming horizontal rotation, 180° vertical rotation.

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

Can accept up to (2) LF16 60MM lens or FA-16 60MM Black Honeycomb Louvers when used with the FA-43 Snoot / Accessory Holder, ordered separately.

#### Lamp

Light engine consists of a single, high lumen output multi-chip LED array. Available in the following color temperatures:

- 2700K; CRI 80 min., 83 Typical (High CRI 93+ available)
- 3000K; CRI 80 min., 83 Typical (High CRI 93+ available)
- 3500K; CRI 80 min., 83 Typical (High CRI 93+ available)
- 4000K; CRI 80 min., 83 Typical (High CRI 90+ available)

Excellent fixture-to-fixture color consistency within a 2-step MacAdam Ellipse tolerance.

Available in Spot (12°), Medium (27°) and Flood (40°) 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

11W Driver Specifications: Input Wattage 11W; Output Current 250mA  
 Input Voltage: 90-135VAC, 47-63Hz  
 Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

16W Driver Specifications: Input Wattage 16W; Output Current 350mA  
 Input Voltage: 90-135VAC, 47-63Hz  
 Dimming: Leading Edge (Incandescent) or Trailing Edge (ELV)

24W Driver Specifications: Input Wattage 24W; Output Current 500mA  
 Input Voltage: 90-135VAC, 47-63Hz  
 Dimming: Leading Edge (Incandescent)

#### 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.

Energy Star Approved for all medium and flood beam fixture variations

### Ordering Information

Example Order:

CTL8063VS3D

-

P

FA-43-P

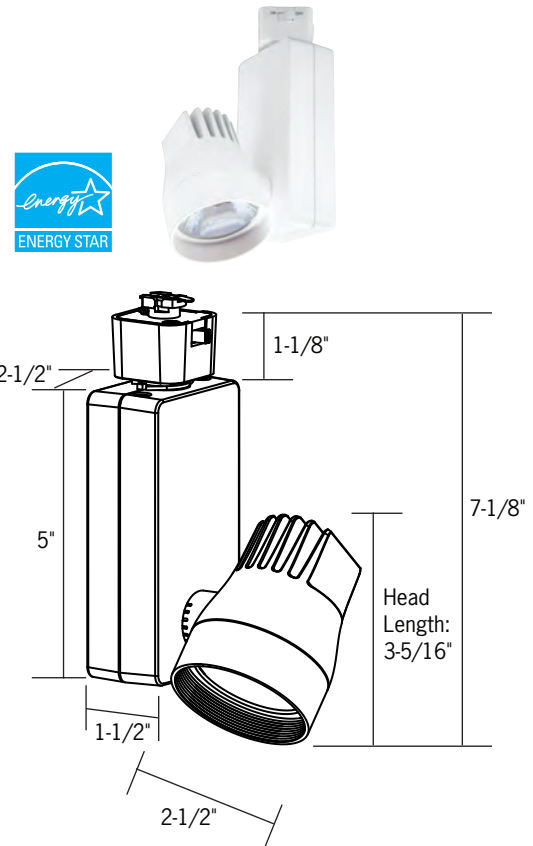
LF16UV 60MM

Track System	Fixture	Orientation	Beam	Color Temp	Dimming Option	Finish	Accessories
CTL - ConTech	<b>8061</b> - 11W	<b>V</b> - Vertical	<b>S</b> - Spot	<b>27</b> - 2700K	<b>D</b> - Dimming	<b>B</b> - Black	<b>FA-16 60MM</b> - 2-3/8" Dia. Black Honeycomb Louver
HTL - Halo	<b>8062</b> - 16W		<b>M</b> - Medium	<b>3</b> - 3000K		<b>P</b> - White	<b>FA-43-(B,P,S)</b> - 1" Snoot/Accessory Holder
LTL - Lightolier	<b>8063</b> - 24W		<b>F</b> - Flood	<b>35</b> - 3500K		<b>S</b> - Silver	<b>LF16-(A, B, CL, G, LB, R, RO, Y, 73, LS, SL, UV) 60MM*</b>
PTL - Capri				<b>4</b> - 4000K			2-3/8" Dia. Tempered Glass Lenses; Requires FA-43 Snoot/Accessory Holder
				<b>27C</b> - 2700K, 93+ CRI			
				<b>3C</b> - 3000K, 93+ CRI			
				<b>35C</b> - 3500K, 93+ CRI			
				<b>4C</b> - 4000K, 90+ CRI			

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

\*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)



#### Fixture Compatibility

Standard ConTech track fixtures are UL 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.

### 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:

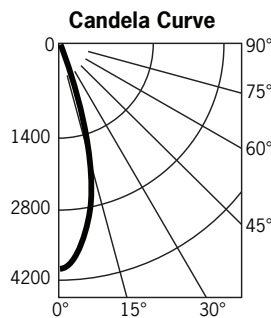
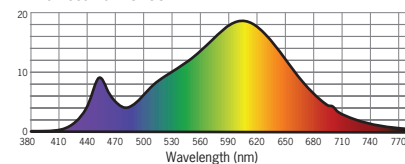
CCT	Standard CRI	High CRI
2700K	.935	.703
3000K	N/A	.754
3500K	1.0	.812
4000K	1.0	.87

### 11W Medium Beam, 3000K: CTL8061VM3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 78786

Light Output (Fixture Delivered Lumens): 954  
 Total Watts@120V: 10.8; Lumens Per Watt: 88.3  
 Center Beam Candle Power: 4073  
 Color Rendering Index (CRI)<sup>2</sup>: 84  
 Color Temperature (CCT)<sup>3</sup>: 3067K Warm White  
 Spectral Power Distribution Chart<sup>4</sup>

LM-79 Test No. 78788



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4073	
5	3702	326
15	1795	474
25	191	119
35	36	24
45	8	6
55	2	2
65	2	2
75	1	1
85	0	0
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	254.6	1.9
6'	113.1	2.8
8'	63.6	3.7
10'	40.7	4.7
12'	28.3	5.6
14'	20.8	6.5

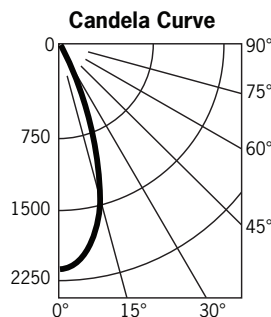
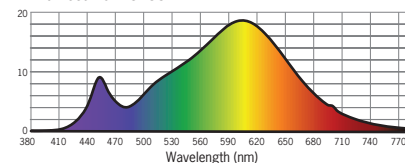
Beam Distribution: 29°

### 11W Flood Beam, 3000K: CTL8061VF3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 78785

Light Output (Fixture Delivered Lumens): 949  
 Total Watts@120V: 10.7; Lumens Per Watt: 88.7  
 Center Beam Candle Power: 2119  
 Color Rendering Index (CRI)<sup>2</sup>: 84  
 Color Temperature (CCT)<sup>3</sup>: 3067K Warm White  
 Spectral Power Distribution Chart<sup>4</sup>

LM-79 Test No. 78788



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2119	
5	2077	192
15	1513	415
25	589	268
35	75	53
45	16	13
55	4	4
65	2	2
75	1	1
85	0	0
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	132.4	2.7
6'	58.9	4.0
8'	33.1	5.3
10'	21.2	6.6
12'	14.7	8.0
14'	10.8	9.3

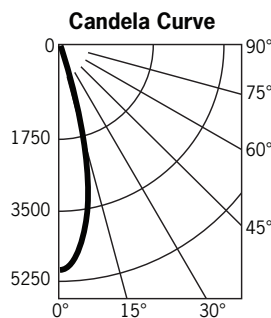
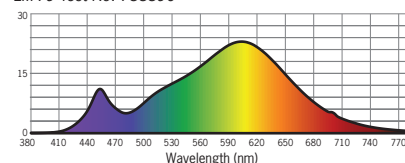
Beam Distribution: 41°

### 16W Medium Beam, 3000K: CTL8062VM3D

Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 78883

Light Output (Fixture Delivered Lumens): 1178  
 Total Watts@120V: 14.8; Lumens Per Watt: 81.2  
 Center Beam Candle Power: 5109  
 Color Rendering Index (CRI)<sup>2</sup>: 83  
 Color Temperature (CCT)<sup>3</sup>: 3086K Warm White  
 Spectral Power Distribution Chart<sup>4</sup>

LM-79 Test No. 788890



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5109	
5	4643	408
15	2196	581
25	233	144
35	45	30
45	10	8
55	3	3
65	2	2
75	1	1
85	0	0
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	319.3	1.8
6'	141.9	2.8
8'	79.8	3.7
10'	51.1	4.6
12'	35.5	5.5
14'	26.1	6.4

Beam Distribution: 27°

1. Accuracy of rendering colors  
 2. Color appearance of light source  
 3. Colors present within the light source

\*Dependent on surrounding temperatures

### 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:

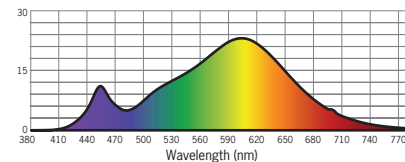
CCT	Standard CRI	High CRI
2700K	.935	.703
3000K	N/A	.754
3500K	1.0	.812
4000K	1.0	.87

### 16W Flood Beam, 3000K: CTL8062VF3D

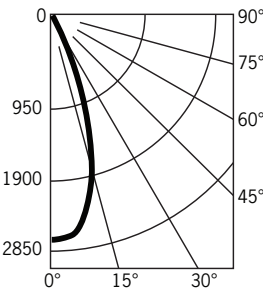
Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 79387

**Light Output (Fixture Delivered Lumens):** 1212  
**Total Watts@120V:** 14.5; **Lumens Per Watt:** 83.6  
**Center Beam Candle Power:** 2715  
**Color Rendering Index (CRI)<sup>2</sup>:** 83  
**Color Temperature (CCT)<sup>3</sup>:** 3061K Warm White  
**Spectral Power Distribution Chart<sup>4</sup>**

LM-79 Test No. 79250



#### Candela Curve



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2700	
5	2687	247
15	1925	528
25	792	352
35	89	62
45	17	15
55	3	3
65	2	2
75	1	1
85	0	0
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	168.8	2.6
6'	75.0	4.0
8'	42.2	5.3
10'	27.0	6.6
12'	18.8	7.9
14'	13.8	9.2

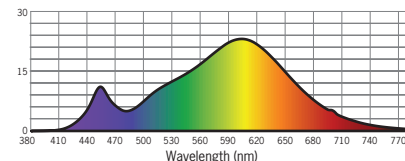
**Beam Distribution: 41°**

### 16W Spot Beam, 3000K: CTL8062VS3D

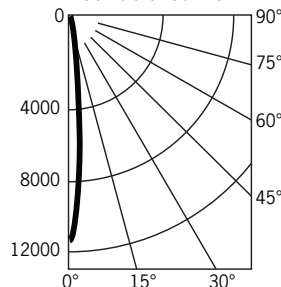
Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 80228

**Light Output (Fixture Delivered Lumens):** 975  
**Total Watts@120V:** 15.9; **Lumens Per Watt:** 61.3  
**Center Beam Candle Power:** 11729  
**Color Rendering Index (CRI)<sup>2</sup>:** 83  
**Color Temperature (CCT)<sup>3</sup>:** 3073K Warm White  
**Spectral Power Distribution Chart<sup>4</sup>**

LM-79 Test No. 78891



#### Candela Curve



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	11729	
5	7066	523
15	1071	318
25	145	77
35	25	19
45	19	13
55	12	11
65	9	9
75	3	4
85	1	1
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	325.8	1.2
6'	183.3	1.6
8'	117.3	2.1
10'	81.5	2.5
12'	59.8	2.9
14'	45.8	3.3

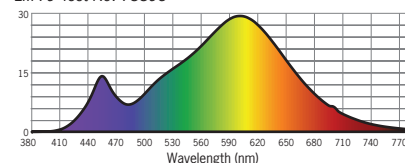
**Beam Distribution: 12°**

### 24W Medium Beam, 3000K: CTL8063VM3D

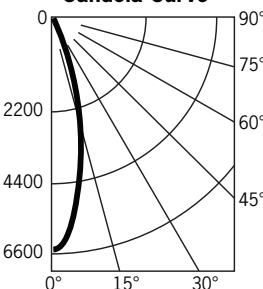
Designed for 50,000 Hour Lamp Life<sup>1</sup>; LM-63 Test No. 78886

**Light Output (Fixture Delivered Lumens):** 1521  
**Total Watts@120V:** 22.9; **Lumens Per Watt:** 66.4  
**Center Beam Candle Power:** 6559  
**Color Rendering Index (CRI)<sup>2</sup>:** 83  
**Color Temperature (CCT)<sup>3</sup>:** 3149K Warm White  
**Spectral Power Distribution Chart<sup>4</sup>**

LM-79 Test No. 78893



#### Candela Curve



#### Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6559	
5	5950	523
15	2858	756
25	301	186
35	56	37
45	13	10
55	4	3
65	2	2
75	2	2
85	1	1
95	0	

#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	409.9	1.9
6'	182.2	2.8
8'	102.5	3.7
10'	65.6	4.6
12'	45.5	5.6
14'	33.5	6.5

**Beam Distribution: 28°**

1. Accuracy of rendering colors  
2. Color appearance of light source  
3. Colors present within the light source

\*Dependent on surrounding temperatures