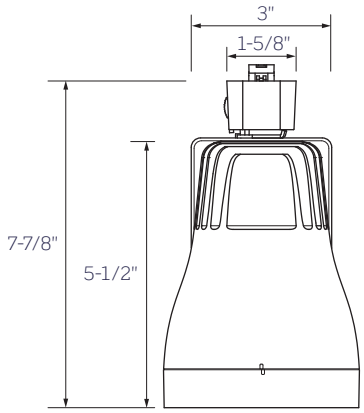
LEVITON | ConTech

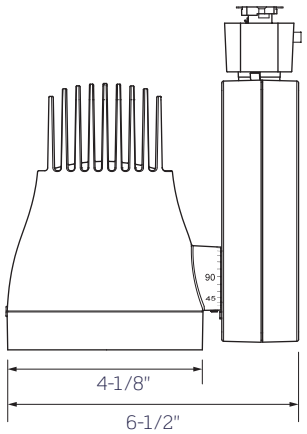
DATE PROJECT

TYPE CATALOG NO.

CTL825 V SERIES | 03 Vertical Housing Track Luminaire

cCSAus Listed DLC™ Listed





	CTL8251	CTL8252	CTL8253	CTL8254	CTL8255
WATTAGE	18W	26W	33W	38W	44W
LUMEN OUTPUT[1]	2029Lm	2819Lm	3424Lm	3798Lm	4263Lm
DRIVER INPUT WATTAGE	18.2W	26.3W	32.9W	37.5W	43.8W
DRIVER INPUT VOLTAGE	120V, 50/60Hz				
DIMMING TYPE	120V TRIAC / ELV				
BEAM SPREAD	13° Spot, 25° Medium, 42° Flood, 59° Wide Flood				
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K				
CRI	83 (80min) / 90+				
COMPATIBILITY	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit Track Systems and Luxbeam Track Systems, as well as Juno®[2] Lighting Trac-Master™ Systems HTL Units are compatible with Halo[3] Power-Trac and Lazer Track Systems LTL Units are compatible with Lightolier[4] Lytespan® Systems				
LISTINGS	cCSAus Certified to UL Standards; Suitable for Dry Locations DLC Listed				
WARRANTY	Five (5) year replacement after date of purchase				
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance				

ORDERING INFORMATION

Example Order: CTL8252VM3D-P

		V					—	
Track System	Luminaire	Orientation	Beam	Color Temp/CRI		Dimming		Finish
CTL ConTech **HTL** Halo[3] **LTL** Lightolier[4]	**8251** 18W / 2029Lm **8252** 26W / 2819Lm **8253** 33W / 3424Lm **8254** 38W / 3798Lm **8255** 44W / 4263Lm	**V** Vertical	**S** 13° Spot **M** 25° Medium **F** 42° Flood **W** 59° Wide Flood	*83 (80min) CRI* **27** 2700K **3** 3000K **35** 3500K **4** 4000K	*90+ CRI* **27C** 2700K **3C** 3000K **35C** 3500K **4C** 4000K	**D** TRIAC / ELV		**B** Black **P** White **S** Silver

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information
2. Juno is a registered trademark of Juno Lighting
3. Halo is a registered trademark of Cooper Lighting
4. Lightolier is a registered trademark of Signify

Accessories on Page 2

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DATE PROJECT

TYPE CATALOG NO.

CTL825 V SERIES | 03 Vertical Housing Track Luminaire

ACCESSORY ORDERING INFORMATION

Accessory Holders

FA-49	Accessory Holder
FA-45	1" Snoot/ Accessory Holder

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Finish

B	Black
P	White
S	Silver

Accessories

LA-45	Black Honeycomb Louver
BD825-B	Black Barn Doors

3-3/4 – Inch Diameter Tempered Glass Lenses

LF20 –CL	Clear	**LF20 –A**	Amber
LF20 –SL	Soft Light	**LF20 –B**	Blue
LF20 –SOL	Solite	**LF20 –LB**	Light Blue
LF20 –LS	Linear Spread	**LF20 –G**	Green
LF20 –73	Spread	**LF20 –R**	Red
LF20 –UV	Optivex UV Filter	**LF20 –RO**	Rose
		LF20 –Y	Yellow

REPLACEMENT OPTIC ORDERING INFORMATION

Replacement Optic

CTL825REFL

—

Beam

S	Spot
M	Medium
F	Flood
W	Wide Flood

PRODUCT SPECIFICATIONS

CONSTRUCTION

- Thermally engineered Heat Sink provides optimal heat dissipation, ensuring long life and consistant performance
- 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

PERFORMANCE SUMMARY

- Available in 2700K, 3000K, 3500K and 4000K; excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- 80 CRI min., 83 typical; High CRI of 90+ available
- Dimming allows smooth illumination down to 1%; available for 120V only
- For 277V track system product, refer to NCTL825V
- For Dimmer compatibility, refer to Dimming Specification sheet
- 13° Spot, 25° Medium, 42° Flood and 59° Wide Flood beams
- Each beam distribution utilizes specular spun metal reflectors that are optically engineered to provide a smooth uniform beam; maximizing output and minimizing glare
- Optics are interchangeable and can be easily changed in the field

LUMINAIRE COMPATIBILITY

- Standard ConTech Track Luminaires (CTL Units) are cCSAus Certified as-is for use with ConTech Lighting LT/LT2 Single Circuit/Two Circuit Track and Luxbeam Track Systems, as well as Juno®[1] Lighting Trac-Master™ Systems
- By changing the prefix of the part number, ConTech can install inserts to make our fixtures compatible with other manufacturers. Replace “CTL” with “HTL” for Halo®[2] Power-Trac and Lazer-Track systems, and “LTL” for Lightolier Lytespan™[3] Systems. For more information, consult factory.

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 Signify

LEVITON | ConTech

DATE PROJECT

TYPE CATALOG NO.

CTL825 SERIES | 03 Track Luminaire Photometrics

PHOTOMETRICS

CTL8255HS3D: Spot Beam

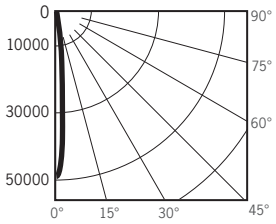
LM-63 Test No. G20102203; **LM-79 Test No.** S20090402

Fixture Delivered Lumens: 4377
Total Watts@120V: 44
Lumens Per Watt: 98.5
Center Beam Candle Power: 49916
Beam Distribution: 13°
Spacing Criterion: 0.24
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3059K
Designed for 50,000 Hour Lamp Life[3]

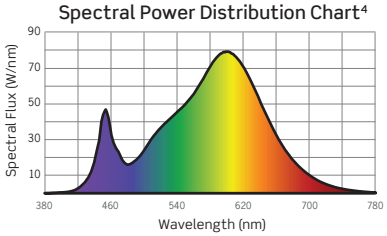
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	1386.6	1.4
8 FT	779.9	1.9
10 FT	499.2	2.3
12 FT	346.6	2.8
14 FT	254.7	3.3
16 FT	195.0	3.8

Candela Curve



Spectral Power Distribution Chart[4]



CTL8255HM3D: Medium Beam

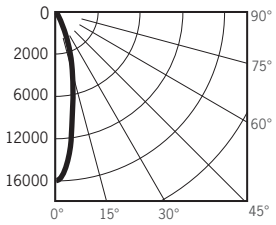
LM-63 Test No. G20102202; **LM-79 Test No.** S20090402

Fixture Delivered Lumens: 4198
Total Watts@120V: 44
Lumens Per Watt: 95.4
Center Beam Candle Power: 15972
Beam Distribution: 25°
Spacing Criterion: 0.46
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3059K
Designed for 50,000 Hour Lamp Life[3]

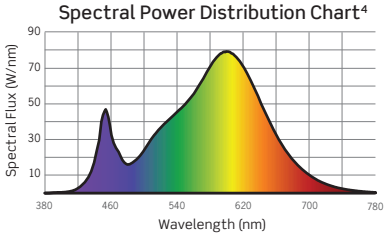
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	443.7	2.6
8 FT	249.6	3.5
10 FT	159.7	4.4
12 FT	110.9	5.2
14 FT	81.5	6.1
16 FT	62.4	7.0

Candela Curve



Spectral Power Distribution Chart[4]



CTL8255HF3D: Flood Beam

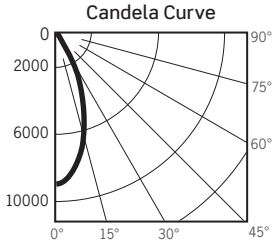
LM-63 Test No. G20070703; **LM-79 Test No.** S20090402

Fixture Delivered Lumens: 4263
Total Watts@120V: 44
Lumens Per Watt: 97.3
Center Beam Candle Power: 9013
Beam Distribution: 42°
Spacing Criterion: 0.68
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3059K
Designed for 50,000 Hour Lamp Life[3]

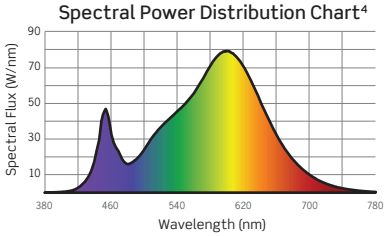
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	250.4	4.6
8 FT	140.8	6.2
10 FT	90.1	7.7
12 FT	62.6	9.3
14 FT	46.0	10.8
16 FT	35.2	12.4

Candela Curve



Spectral Power Distribution Chart[4]



CTL8255HW3D: Wide Flood Beam

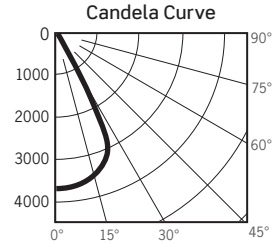
LM-63 Test No. G20102201; **LM-79 Test No.** S20090402

Fixture Delivered Lumens: 3577
Total Watts@120V: 44
Lumens Per Watt: 81.3
Center Beam Candle Power: 3681
Beam Distribution: 59°
Spacing Criterion: 0.83
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3059K
Designed for 50,000 Hour Lamp Life[3]

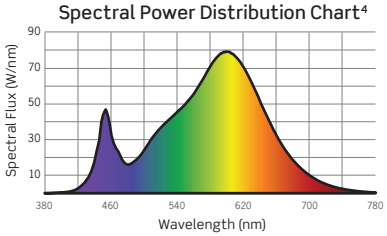
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	102.2	6.7
8 FT	57.5	9.0
10 FT	36.8	11.2
12 FT	25.6	13.5
14 FT	18.8	15.7
16 FT	14.4	18.0

Candela Curve



Spectral Power Distribution Chart[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 MULTIPLIERS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) and Wattage. To estimate lumen output of other combinations, multiply the published results by the following factors:

CCT MULTIPLIERS		
CCT	STD. CRI	HIGH CRI
2700K	0.95	0.74
3000K	1.00	0.85
3500K	1.03	0.89
4000K	1.07	0.92

OUTPUT MULTIPLIERS				
18W SERIES 1	26W SERIES 2	33W SERIES 3	38W SERIES 4	44W SERIES 5
0.48	0.66	0.80	0.89	1.00

CTL825 SERIES | 03 Track Luminaire Photometrics

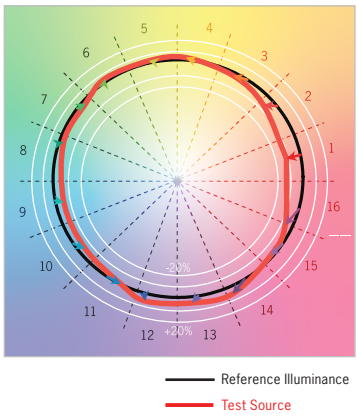
PHOTOMETRICS

TM-30 DATA: CTL8255VF3D

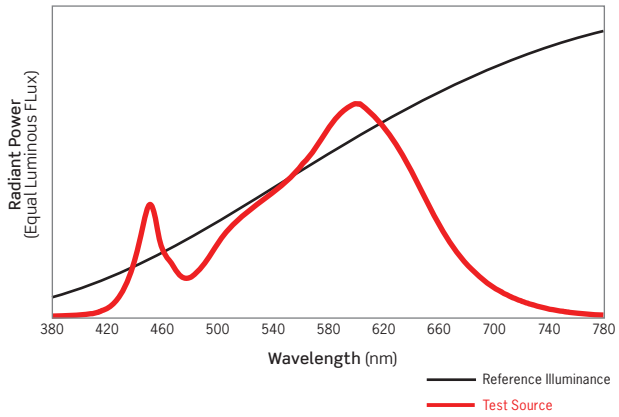
ANSI/IES TM-30-18 Color Rendition Report Test No. S20090402

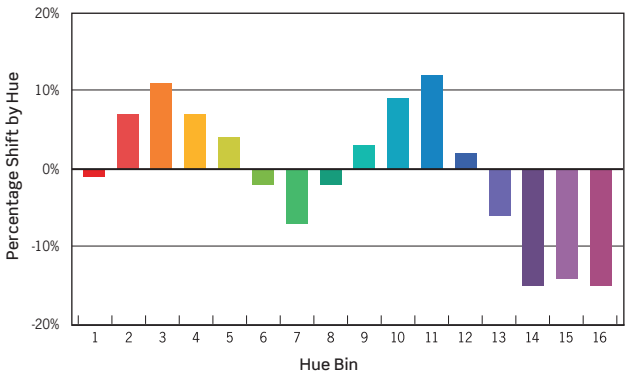
R_f	85
R_g	96
CCT(K)	3116K
D_{uv}	0.0017
u^I	0.2460
v^I	0.5214

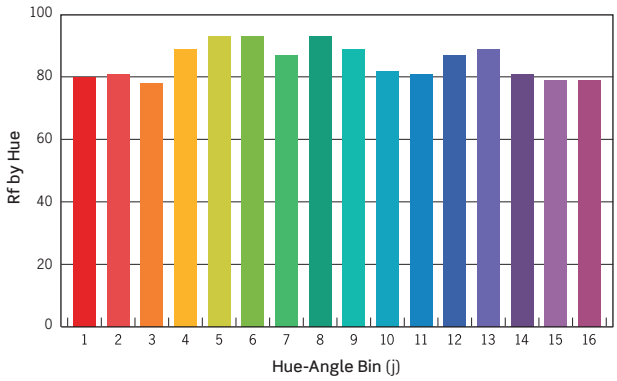
Color Vector Graphic



Spectral Power Distribution Comparison







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%	3%	9%	12%	2%	-6%	-15%	-14%	-15%
R_f VALUE	80	81	78	89	93	93	87	93	89	82	81	87	89	81	79	79

Colors are for visual orientation purposes only

LEVITON | ConTech

DATE PROJECT

TYPE CATALOG NO.

CTL825 SERIES | 03 Track Luminaires Dimming Specifications

- Incandescent 120V AC 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 120V AC 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.
- 0–10V DC Low Voltage Dimmers operate using two (2) Low Voltage Dimming Wires that are separate from the 120V or 277V AC Power. The Dimmer sends a Variable Output Voltage to the luminaire based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching On/Off is controlled with the Line Voltage Power Input to the Dimmer (120V or 277V AC). Dimming operation is controlled with the 0–10V DC Low Voltage Wiring Connection between the Dimmer and the LED Driver. The Control Signal runs on two (2) low voltage control wires color coded Violet and Pink/Gray.

		Dimming Range[1]	
Manufacturer	**Model**	Min	Max
Leviton	VPE06	4%	100%
Leviton	6673–10W	11%	100%
Lightolier	ZP260QEW	0%	100%
Lutron	DVCL–153P	0%	100%
Lutron	TGCL–153P	0%	100%
Lutron	DVELV303P	3%	100%
Lutron	SELV300P	3%	100%
Lutron	MAELV600	0%	100%
Lutron	FAELV500	7%	100%
Lutron	SCL–153P	0%	100%
Lutron	MACL–153M	0%	99%
Lutron	RRD–6CL	2%	98%
Lutron	SF10P	2%	98%

NOTES

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