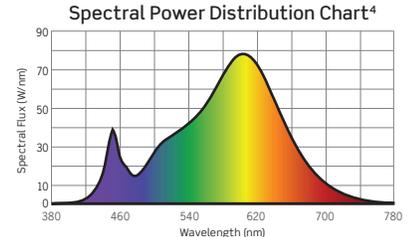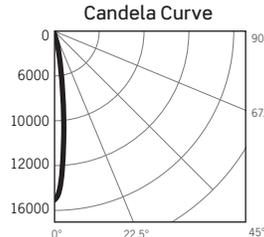# LEVITON® | ConTech

CTL93 SERIES | Gallery M Track Luminaire with Adjustable Beam: Photometry

CTL932VS3KD: 14W, 3000K, 83 CRI, VARIABLE SPOT MINIMUM

Test No. G25090401

Fixture Delivered Lumens: 1308.97
Total Watts@120V: 14.7
Lumens Per Watt: 89.05
Center Beam Candle Power: 15158
Beam Distribution: 13.05°
Spacing Criterion: 0.24
Color Rendering Index (CRI)[1]: 82.8
Color Temperature (CCT)[2]: 3004K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	947.4	0.9
6 FT	421.1	1.4
8 FT	236.8	1.8
10 FT	151.6	2.3
12 FT	105.3	2.8
14 FT	77.3	3.2

Candela Curve

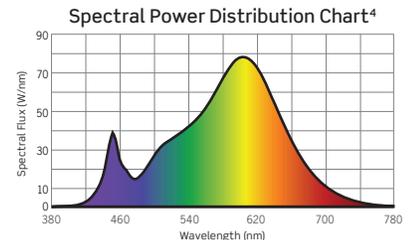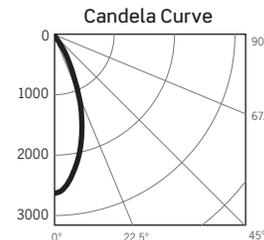### Spectral Power Distribution Chart[4]

CTL932VS3KD: 14W, 3000K, 83 CRI, VARIABLE SPOT MAXIMUM

Test No. G25090402

Fixture Delivered Lumens: 1275.62
Total Watts@120V: 28.7
Lumens Per Watt: 86.78
Center Beam Candle Power: 2625
Beam Distribution: 41.93°
Spacing Criterion: 0.64
Color Rendering Index (CRI)[1]: 82.8
Color Temperature (CCT)[2]: 3004K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	164.0	3.1
6 FT	72.9	4.6
8 FT	41.0	6.1
10 FT	26.2	7.7
12 FT	18.2	9.2
14 FT	13.4	10.7

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 MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI), and Luminaire Wattage/Output. To estimate lumen output of the various options, multiply the 3000K standard CRI results by the following:

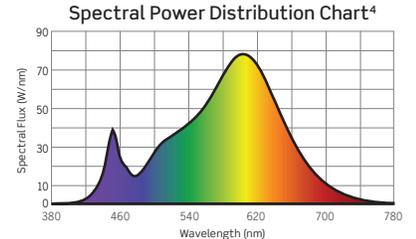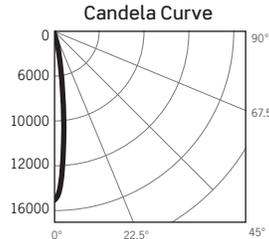| CCT MULTIPLIERS			VARIABLE SPOT OUTPUT MULTIPLIERS
CCT	STANDARD CRI	HIGH (90+) CRI	10W
2700K	0.98	0.81	0.74
3000K	1.00	0.85	
3500K	1.01	0.86	
4000K	1.02	0.89	

CTL93 SERIES | Gallery M Track Luminaire with Adjustable Beam: Photometry

CTL934VM3KD: 28W, 3000K, 83 CRI, VARIABLE MEDIUM MINIMUM

Test No. G25082601

Fixture Delivered Lumens: 2500.51
Total Watts@120V: 28.6
Lumens Per Watt: 87.13
Center Beam Candle Power: 17753
Beam Distribution: 16.02°
Spacing Criterion: 0.32
Color Rendering Index (CRI)[1]: 82.8
Color Temperature (CCT)[2]: 3004K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	1109.5	1.1
6 FT	493.1	1.7
8 FT	277.4	2.3
10 FT	177.5	2.8
12 FT	123.3	3.4
14 FT	90.6	3.9

Candela Curve

Spectral Power Distribution Chart[4]

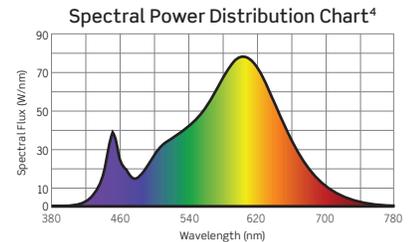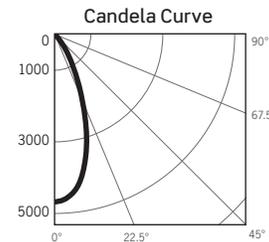## CTL934VM3KD: 28W, 3000K, 83 CRI, VARIABLE MEDIUM MAXIMUM

Test No. G25082602

Fixture Delivered Lumens: 2442.74
Total Watts@120V: 28.7
Lumens Per Watt: 85.11
Center Beam Candle Power: 4688
Beam Distribution: 41.36°
Spacing Criterion: 0.65
Color Rendering Index (CRI)[1]: 82.8
Color Temperature (CCT)[2]: 3004K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	293.0	3.0
6 FT	130.2	4.5
8 FT	73.2	6.0
10 FT	46.9	7.6
12 FT	32.6	9.1
14 FT	23.9	10.6

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 MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI), and Luminaire Wattage/Output. To estimate lumen output of the various options, multiply the 3000K standard CRI results by the following:

CCT MULTIPLIERS		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.98	0.81
3000K	1.00	0.85
3500K	1.01	0.86
4000K	1.02	0.89

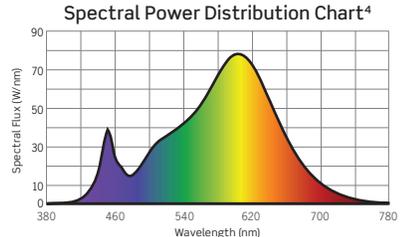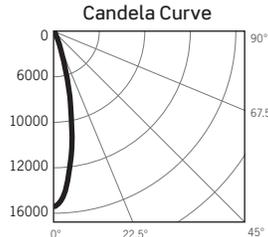| VARIABLE MEDIUM OUTPUT MULTIPLIERS		
10W	14W	19W
0.30	0.42	0.59

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CTL93 SERIES | Gallery M Track Luminaire with Adjustable Beam: Photometry

CTL935VF3KD: 35W, 3000K, 83 CRI, VARIABLE FLOOD MINIMUM

Test No. G25081302

Fixture Delivered Lumens: 3309.39
Total Watts@120V: 35.4
Lumens Per Watt: 93.49
Center Beam Candle Power: 15479
Beam Distribution: 23.07°
Spacing Criterion: 0.40
Color Rendering Index (CRI)[1]: 82.8
Color Temperature (CCT)[2]: 3004K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	967.4	1.6
6 FT	430.0	2.5
8 FT	241.9	3.3
10 FT	154.8	4.1
12 FT	107.5	4.9
14 FT	79.0	5.7

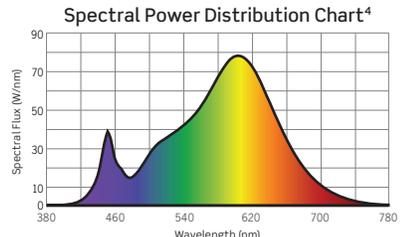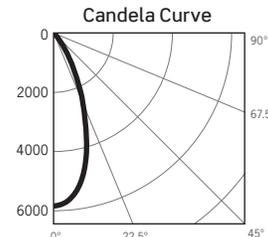### Candela Curve

Spectral Power Distribution Chart[4]

CTL935VF3KD: 35W, 3000K, 83 CRI, VARIABLE FLOOD MAXIMUM

Test No. G25081303

Fixture Delivered Lumens: 3209.70
Total Watts@120V: 35.4
Lumens Per Watt: 90.70
Center Beam Candle Power: 5866
Beam Distribution: 41.05°
Spacing Criterion: 0.66
Color Rendering Index (CRI)[1]: 82.8
Color Temperature (CCT)[2]: 3004K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	366.6	3.0
6 FT	162.9	4.5
8 FT	91.7	6.0
10 FT	58.7	7.5
12 FT	40.7	9.0
14 FT	29.9	12.0

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 MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI), and Luminaire Wattage/Output. To estimate lumen output of the various options, multiply the 3000K standard CRI results by the following:

CCT MULTIPLIERS		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.98	0.81
3000K	1.00	0.85
3500K	1.01	0.86
4000K	1.02	0.89

VARIABLE FLOOD OUTPUT MULTIPLIERS			
10W	14W	19W	28W
0.30	0.42	0.59	0.79

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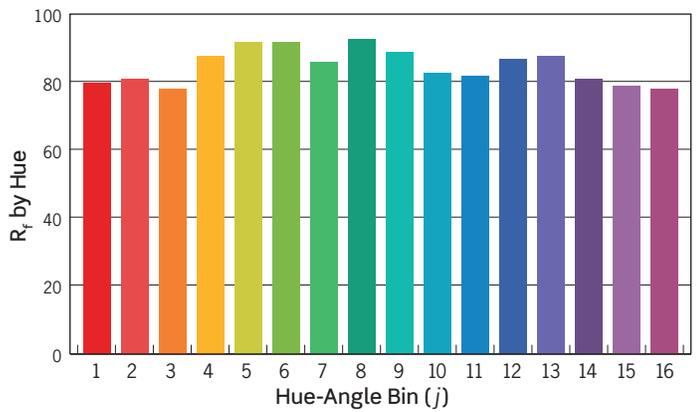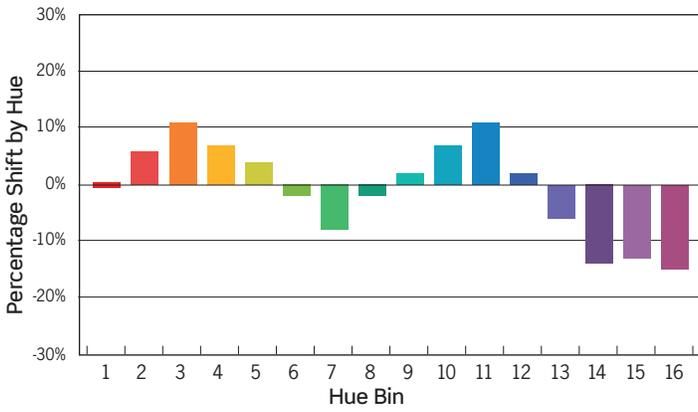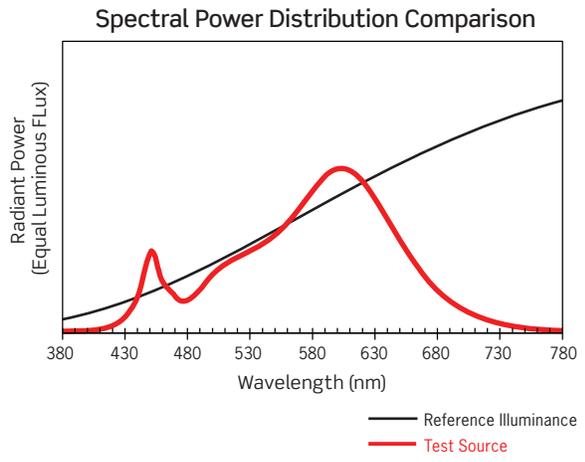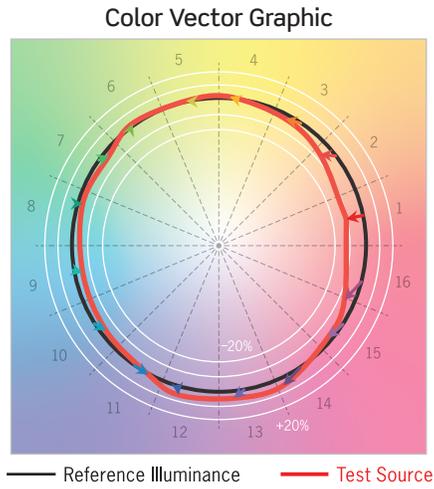# CTL93 SERIES | Gallery M Track Luminaire with Adjustable Beam: Photometry

TM-30 DATA: CTL935MF3KD

ANSI/IES TM-30-18 Color Rendition Report Test No. S21072001

Colors are for visual orientation purposes only

R_f	86
R_g	95
CCT(K)	3004K
D_{uv}	0.0007
u^I	0.2502
v^I	0.5222

Color Vector Graphic

Reference Illuminance — Test Source

Spectral Power Distribution Comparison

— Reference Illuminance
— Test Source

HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	7%	10%	6%	3%	-2%	-6%	-1%	3%	8%	11%	2%	-8%	-16%	-13%	-14%
R_f VALUE	80	82	80	91	94	94	88	94	90	86	84	87	88	80	79	78