LEVITON | ConTech

DATE PROJECT

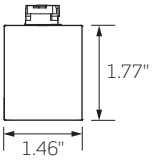
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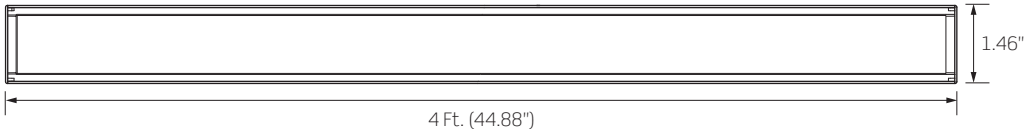
CTL214 SERIES | Eclipse Linear 4-Foot Track Luminaire





Selectable CCT Switch
Available only on the SC Luminaire Option





CTL214	
LINEAR LENGTH	4-Foot (44.88 Inches)
WATTAGE[1]	37.2W
LUMEN OUTPUT[1]	3046 Lumens
COLOR TEMPERATURE	(3000K[2] / 3500K[2]) / 3-Position Selectable CCT: 3000K - 3500K - 4000K
CRI	90 CRI
LENS/DISTRIBUTION TYPE	Diffuser/Lambertion Flood
DRIVER INPUT WATTAGE[2]	40W
DIMMING TYPE	Incandescent (Forward Phase) and ELV (Reverse Phase)
COMPATABILITY	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno®[3] Lighting Trac-Master™ Systems
LISTING	cCSAus Certified on Base Models Suitable for Dry Locations
WARRANTY	Five (5) year replacement after date of purchase
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance

PRODUCT SPECIFICATIONS

PERFORMANCE SUMMARY

- LED Board consists of LEDS in 3000K or 3500K or a 3-Position Selectable CCT (3000K - 3500K - 4000K) at 90CRI
- Diffuser Lens provides 101° Flood Distribution for full linear coverage
- Dimming is standard (120V only), allowing smooth illumination down to 5% using Forward Phase or Reverse Phase dimmers

CONSTRUCTION

- Black or White Extruded Aluminum Housing with Molded End Caps
- Polycarbonate Diffuser minimizes glare and pixelization of LED Board
- Polarity marked Adapter and positive locking clips ensure proper track installation

FIXTURE COMPATIBILITY

- Standard ConTech "CTL" track luminaires are cCSAus certified as-is for use with ConTech Lighting's LT/LT2 Single Circuit/Two Circuit Track and Luxbeam Systems as well as Juno®[1] Lighting Trac-Master™ Systems

ORDERING INFORMATION

Example Order: CTL214SCFD-P

CTL214		F	D	—	
Luminaire Series	**CCT/CRI**	**Beam Option**	**Driver**		**Finish**
CTL214 4 Ft. 37.2W 3046Lm	**SC** 3-Position Selectable CCT 3000K - 3500K - 4000K/90CRI **30C²** 3000K/90CRI **35C²** 3500K/90CRI	**F** Flood	**D** 120V Forward/Reverse Phase Dimming		**B** Black **P** White

Accessories

CTL212LOUV-(B,P) 22-Inch Louver
CTL212VIS-(B,P) 22-Inch Side Visor
Order two (2) of each accessory to fit full length of Luminaire.

Beam Shaping Lenses

CTL214NLENS Narrow
CTL214WLENS Wide
CTL214ASYMLENS Asymmetric
CTL214BWLENS Bat-Wing

1. Wattage and Lumen Output based on 3000K photometric reports (page 2)
2. Limited availability; consult factory for price and availability of 3000K and 3500K options
3. Wattage as reported on cCSAus Certification File
4. Juno is a registered trademark of Juno Lighting

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CTL214 SERIES | Eclipse Linear 4-Foot Track Luminaire

For CTL214 lighting layout calculations, use two (2) CTL212 units end-to-end to simulate the 4-foot fixture.

PHOTOMETRICS

CTL21230CFD

20W 2 Ft. Linear Track
Flood Beam, White Finish

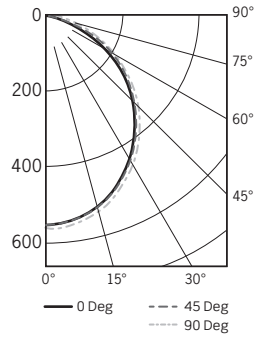
Fixture Delivered Lumens: 1399.34
Total Watts@120V: 18.94
Lumens Per Watt: 74.04
Center Beam Candle Power: 555
Beam Distribution: 101°
Spacing Criterion: 1.19
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23041902

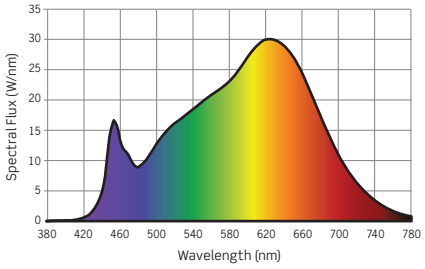
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	15.4	14.4
8 FT	8.7	19.3
10 FT	5.5	24.1
12 FT	3.9	28.9
14 FT	2.8	33.7
16 FT	2.2	38.5

Candela Curve



Spectral Power Distribution Chart[4]



CTL21230CFD / CTL212NLENS

20W 2 Ft. Linear Track
Flood Beam, White Finish,
Field Installed Narrow Lens

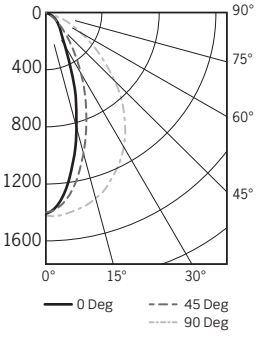
Fixture Delivered Lumens: 1642.51
Total Watts@120V: 18.95
Lumens Per Watt: 86.9
Center Beam Candle Power: 1405
Beam Distribution: 37°
Spacing Criterion: 0.58
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23041904

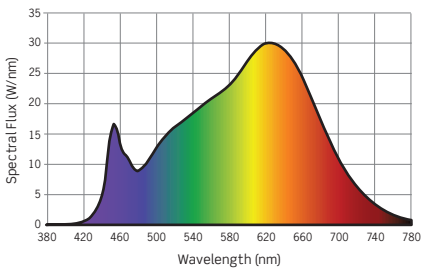
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	39.0	4.1
8 FT	22.0	5.4
10 FT	14.1	6.8
12 FT	9.8	8.1
14 FT	7.2	9.5
16 FT	5.5	10.8

Candela Curve



Spectral Power Distribution Chart[4]



CTL21230CFD / CTL212WLENS

20W 2 Ft. Linear Track
Flood Beam, White Finish,
Field Installed Wide Lens

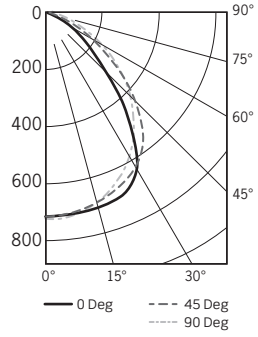
Fixture Delivered Lumens: 1685.1
Total Watts@120V: 18.9
Lumens Per Watt: 89.16
Center Beam Candle Power: 717
Beam Distribution: 136°
Spacing Criterion: 1.29
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23041905

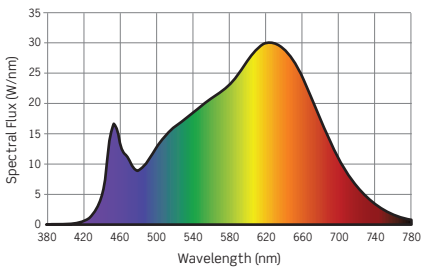
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	19.9	11.3
8 FT	11.2	15.1
10 FT	7.2	18.9
12 FT	5.0	22.7
14 FT	3.7	26.5
16 FT	2.8	30.2

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 and Luminaire Wattage/Output. To estimate lumen output of these options, multiply the 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
3500K	1.04	4000K	1.06

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CTL214 SERIES | Eclipse Linear 4-Foot Track Luminaire

For CTL214 lighting layout calculations, use two (2) CTL212 units end-to-end to simulate the 4-foot fixture.

PHOTOMETRICS

CTL21230CFD / CTL212ASYMLENS

20W 2 Ft. Linear Track
Flood Beam, White Finish,
Field Inst. Asymmetric Lens

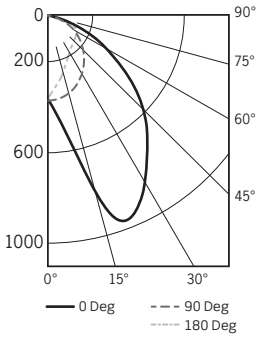
Fixture Delivered Lumens: 1366.24
Total Watts@120V: 18.93
Lumens Per Watt: 72.29
Center Beam Candle Power: 367
Beam Distribution: 99°
Spacing Criterion: 1.44
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23041907

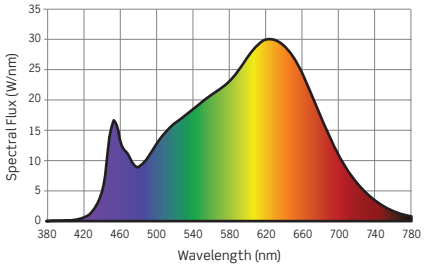
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	10.2	18.6
8 FT	5.7	24.7
10 FT	3.7	30.9
12 FT	2.5	37.1
14 FT	1.9	43.3
16 FT	1.4	49.5

Candela Curve



Spectral Power Distribution Chart[4]



CTL21230CFD / CTL212BWLENS

20W 2 Ft. Linear Track
Flood Beam, White Finish,
Field Installed Bat-Wing Lens

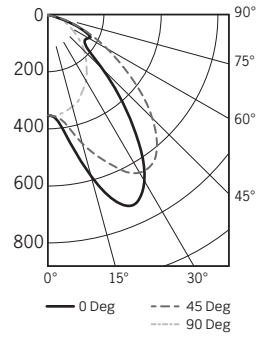
Fixture Delivered Lumens: 1454.8
Total Watts@120V: 18.93
Lumens Per Watt: 76.97
Center Beam Candle Power: 354
Beam Distribution: 104°
Spacing Criterion: 1.73
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23041906

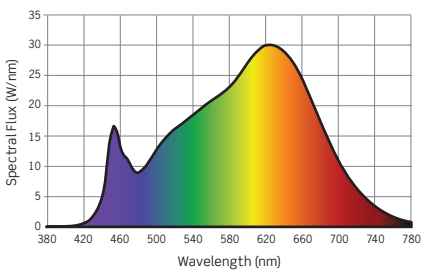
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	9.8	15.3
8 FT	5.5	20.4
10 FT	3.5	25.4
12 FT	2.5	30.5
14 FT	1.8	35.6
16 FT	1.4	40.7

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 and Luminaire Wattage/Output. To estimate lumen output of these options, multiply the 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
3500K	1.04	4000K	1.06

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CTL214 SERIES | Eclipse Linear 4-Foot Track Luminaire

For CTL214 lighting layout calculations, use two (2) CTL212 units end-to-end to simulate the 4-foot fixture.

PHOTOMETRICS

CTL21230CFD / CTL212LOUV-P

20W 2 Ft. Linear Track
Flood Beam, White Finish,
Field Installed White Louver

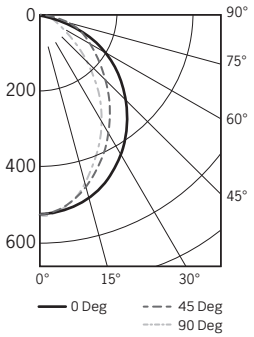
Fixture Delivered Lumens: 1084.50
Total Watts@120V: 18.93
Lumens Per Watt: 57.38
Center Beam Candle Power: 525
Beam Distribution: 102°
Spacing Criterion: 1.20
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23041903

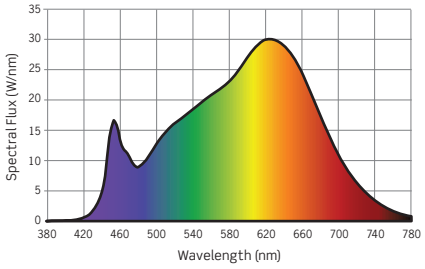
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	14.6	14.8
8 FT	8.2	19.8
10 FT	5.3	24.7
12 FT	3.6	29.7
14 FT	2.7	34.6
16 FT	2.1	39.6

Candela Curve



Spectral Power Distribution Chart[4]



CTL21230CFD / CTL212VIS-P

20W 2 Ft. Linear Track
Flood Beam, White Finish,
Field Installed White Visor

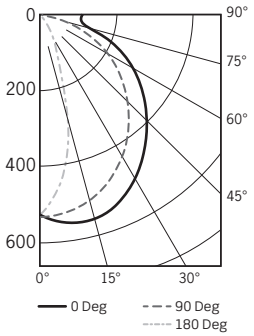
Fixture Delivered Lumens: 1186.15
Total Watts@120V: 18.91
Lumens Per Watt: 62.76
Center Beam Candle Power: 526
Beam Distribution: 78°
Spacing Criterion: 0.95
Color Rendering Index (CRI)[1]: 96.0
Color Temperature (CCT)[2]: 3104K

Designed for 50,000 Hour Lamp Life[3]
Test No. G23042001

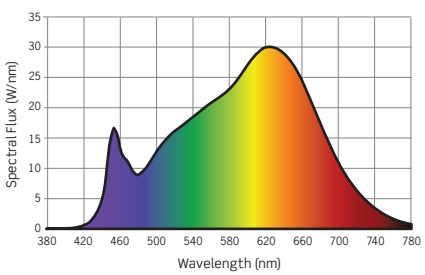
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	14.6	13.1
8 FT	8.2	17.5
10 FT	5.3	21.8
12 FT	3.7	26.2
14 FT	2.7	30.5
16 FT	2.1	34.9

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 and Luminaire Wattage/Output. To estimate lumen output of these options, multiply the 3000K results by the following:

CCT MULTIPLIERS			
CCT	90+ CRI	CCT	90+ CRI
3500K	1.04	4000K	1.06

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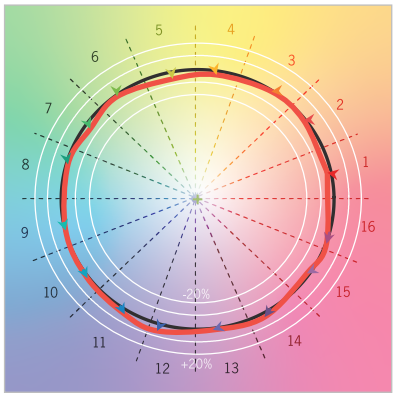
CTL214 SERIES | Eclipse Linear 4-Foot Track Luminaire

TM-30 DATA: CTL21230FCD-P

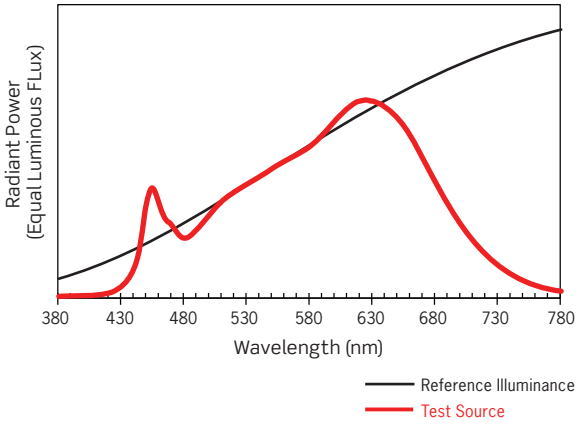
20W 2 Ft. Linear Track, Flood Beam, Dimming Driver, White Finish

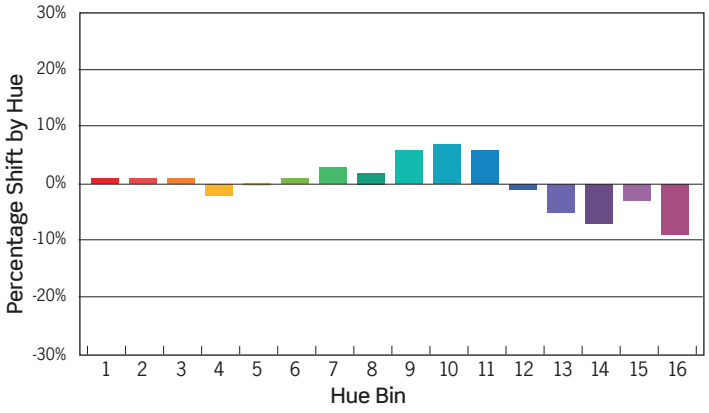
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R_g	99
CCT(K)	3118K
D_{uv}	-0.0002
u'	0.2467
v'	0.5186

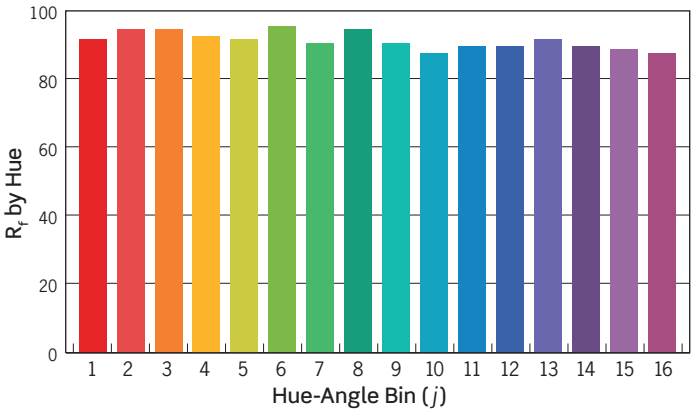
Color Vector Graphic



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%	1%	1%	-2%	0%	1%	3%	2%	6%	7%	6%	-1%	-5%	-7%	-3%	-9%
R_f VALUE	93	96	96	94	93	97	92	96	92	89	91	91	93	91	90	89

ANSI/IES TM-30-18 Color Rendition Report Test No. S22072501
Colors are for visual orientation purposes only

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