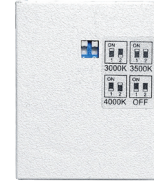
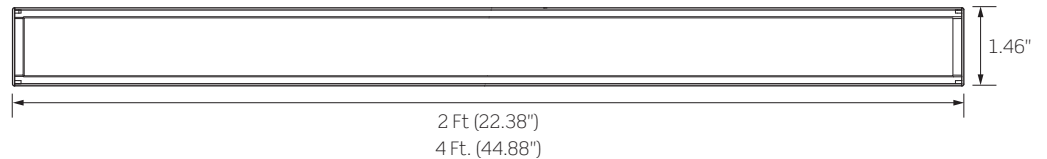
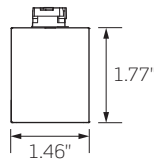


CTL21 SERIES | Eclipse Linear Track Luminaires



Selectable CCT Switch
Available only on the SC Luminaire Option



	CTL212	CTL214
LINEAR LENGTH	2 Foot (22.38 Inches)	4 Foot (44.88 Inches)
WATTAGE ¹	18.9W	37.2W
LUMEN OUTPUT ¹	1426 Lumens	3046 Lumens
COLOR TEMPERATURE	(3000K ² , 3500K ²) 3-Position Selectable CCT: 3000K - 3500K - 4000K	
CRI	90 CRI	
LENS/DISTRIBUTION TYPE	Diffuser/Lambertian Flood	
DRIVER INPUT WATTAGE ³	21W	40W
DIMMING TYPE	Incandescent (Forward Phase) and ELV (Reverse Phase)	
COMPATIBILITY	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno ^{®4} 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 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 to minimize 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

1. Wattage and Lumen Output based on 3000K photometric reports (page 3)
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

CTL21 SERIES | Eclipse Linear Track Luminaires

ORDERING INFORMATION

Example Order: CTL21235CFD-B

Luminaire Series	CCT/CRI	Beam Option	Driver	Finish
CTL212 2 Ft. 18.9W/1426Lm CTL214 4 Ft. 37.2W/3046Lm	SC 3-Position Selectable CCT 3000K - 3500K - 4000K/90CRI 30C⁴ 3000K/90CRI 35C⁴ 3500K/90CRI	F Flood	D 120V Forward/Reverse Phase Dimming	B Black P White

4. Limited availability; consult factory for price and availability of 3000K and 3500K options

ACCESSORY ORDERING INFORMATION

Accessories
CTL212LOUV-(B,P) 22-Inch Louver CTL212VIS-(B,P) 22-Inch Side Visor Individual Louvers and Side Visors fit the CTL212 (2-Ft Luminaire). For CTL214 (4-Ft Luminaire), order two (2) of each accessory to fit full length of Luminaire.

Beam Shaping Lenses:
For CTL212: CTL212NLENS Narrow CTL212WLENS Wide CTL212ASYMLENS Asymmetric CTL212BWLENS Bat-Wing For CTL214: CTL214NLENS Narrow CTL214WLENS Wide CTL214ASYMLENS Asymmetric CTL214BWLENS Bat-Wing

CTL21 SERIES | Eclipse Linear Track Luminaires

PHOTOMETRICS

CTL21230CFD

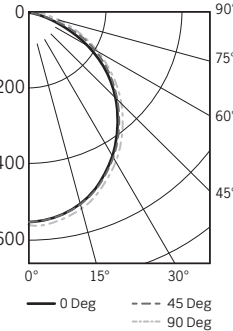
20W 2 Ft. Linear Track Flood Beam, White Finish

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 Life³
Test No. G23041902

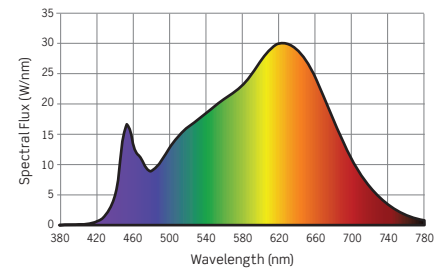
Intensity Distribution

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 Chart⁴



CTL21230CFD / CTL212NLENS

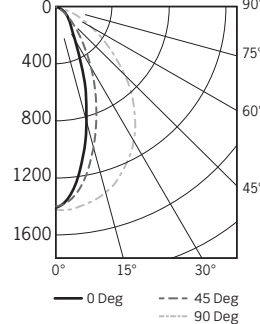
20W 2 Ft. Linear Track Flood Beam, White Finish, Field Installed Narrow Lens

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 Life³
Test No. G23041904

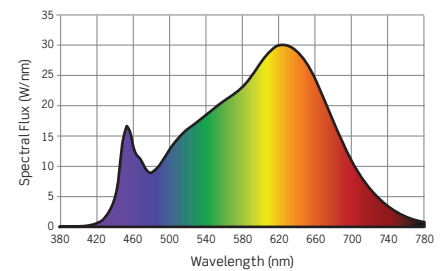
Intensity Distribution

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 Chart⁴



CTL21230CFD / CTL212WLENS

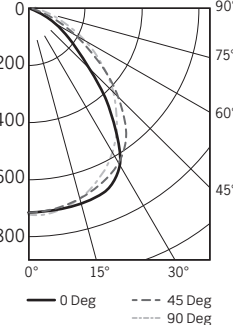
20W 2 Ft. Linear Track Flood Beam, White Finish, Field Installed Wide Lens

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 Life³
Test No. G23041905

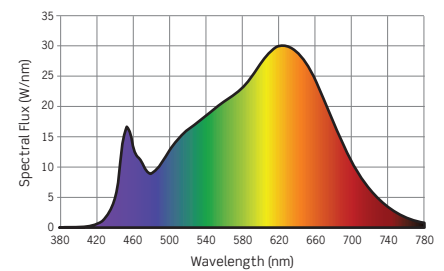
Intensity Distribution

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 Chart⁴



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 ⁵	1.06

5. Consult Factory for Price, Minimum Order quantity and Lead Time for 4000K/90CRI option

CTL21 SERIES | Eclipse Linear Track Luminaires

PHOTOMETRICS

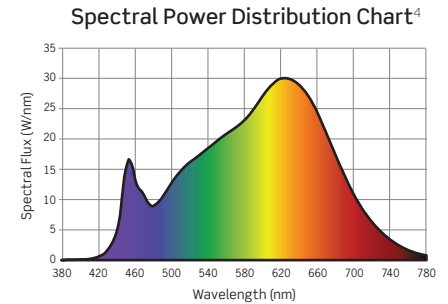
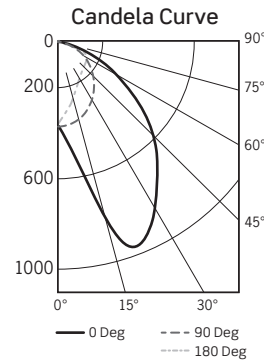
CTL21230CFD / CTL212ASYMLENS

**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 Life³
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



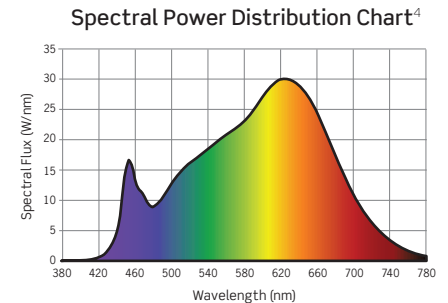
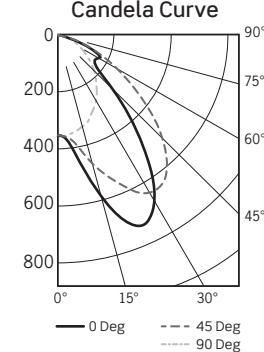
CTL21230CFD / CTL212BWLENS

**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 Life³
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



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 ⁵	1.06

5. Consult Factory for Price, Minimum Order quantity and Lead Time for 4000K/90CRI option

CTL21 SERIES | Eclipse Linear Track Luminaires

PHOTOMETRICS

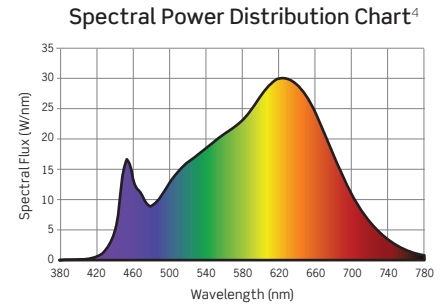
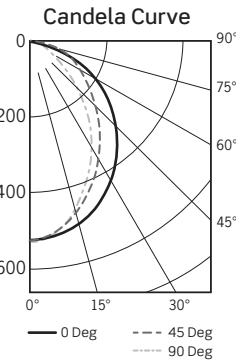
CTL21230CFD / CTL212LOUV-P

**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 Life³
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



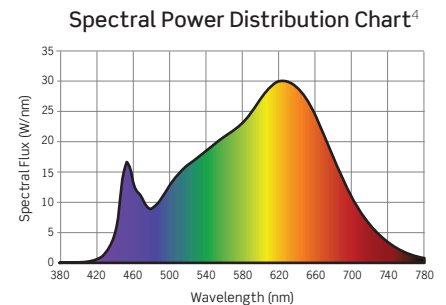
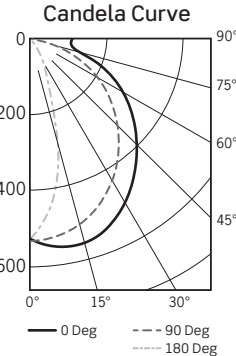
CTL21230CFD / CTL212VIS-P

**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 Life³
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



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 ⁵	1.06

5. Consult Factory for Price, Minimum Order quantity and Lead Time for 4000K/90CRI option

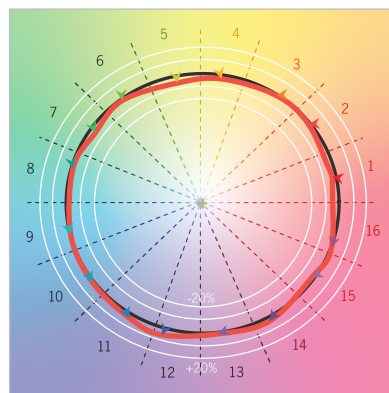
CTL21 SERIES | Eclipse Linear Track Luminaires

TM-30 DATA: CTL21230FCD-P

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

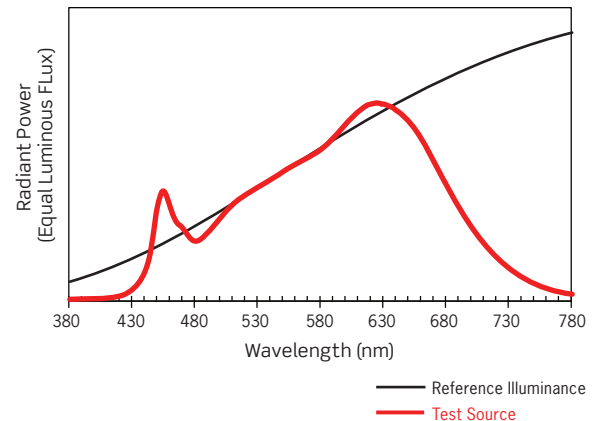
R_f	93
R_g	99
CCT(K)	3118K
D_{uv}	-0.0002
u^I	0.2467
v^I	0.5186

Color Vector Graphic

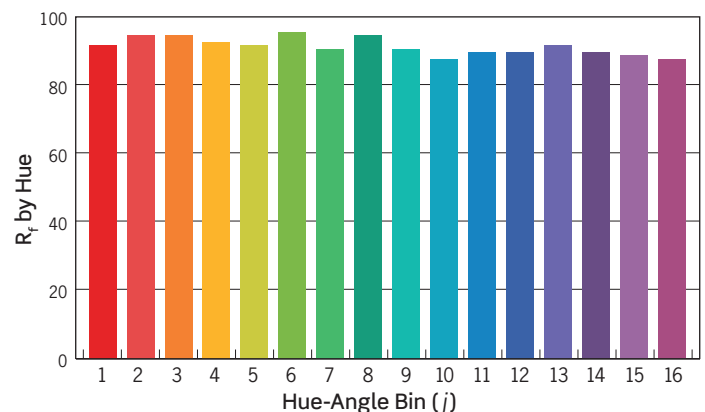
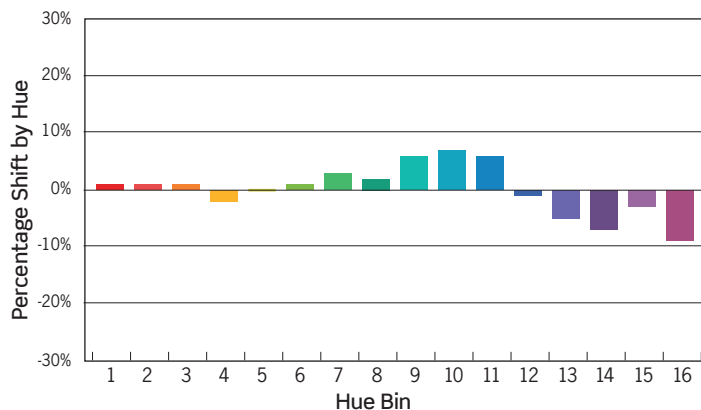


— Reference Illuminance — Test Source

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	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