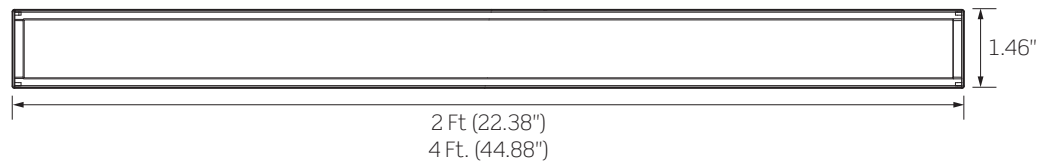
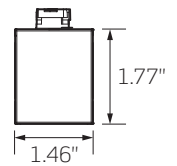


DATE

PROJECT

TYPE

CTL21 SERIES | Eclipse Linear Track Luminaires



	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, 3500K, 4000K ²	
CRI	90 CRI	
LENS/DISTRIBUTION TYPE	Diffuser/Lambertion Flood	
DRIVER INPUT WATTAGE ³	21W	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 DETAILS

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

Performance Summary

- LED Board consists of LEDs in 3000K, 3500K or 4000K² 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

1. Wattage and Lumen Output based on 3000K photometric reports (page 3)
 2. Consult Factory for Price, Minimum Order quantity and Lead Time for 4000K option
 3. Wattage as reported on cCSAus Certification File

DATE

PROJECT

TYPE

CTL21 SERIES | Eclipse Linear Track Luminaires

ORDERING INFORMATION

Example Order: -

Luminaire Series	Color Temp/CRI	Beam	Dimming	Finish
CTL212 - 2 Ft. 18.9W/1426Lm	30C - 3000K/90CRI 35C - 3500K/90CRI	F - Flood	D - 120V TRIAC/ ELV Dimming	B - Black P - White
CTL214 - 4 Ft. 37.2W/3046Lm	40C¹ - 4000K/90CRI			

Accessories

- CTL212LOUV-(B,P)** - 22 Inch Louver
- CTL212VIS-(B,P)** - 22 Inch Side Visor

Individual Louvers and Side Visors fit 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

1. Consult Factory for Price, Minimum Order quantity and Lead Time for 4000K option

DATE

PROJECT

TYPE

CTL21 SERIES | Eclipse Linear Track Luminaires

PHOTOMETRICS

CTL21230CFD

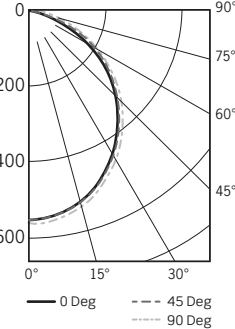
20W 2 Ft. Linear Track Flood Beam, White Finish

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

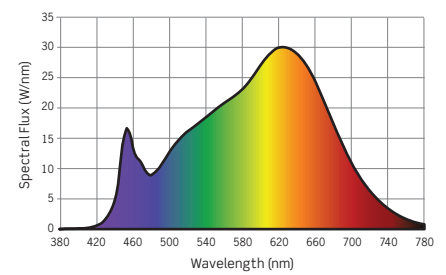
Intensity Distribution

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

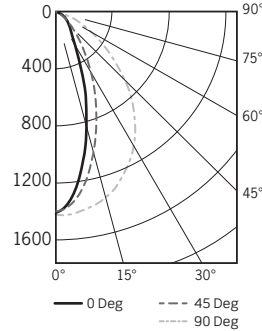
20W 2 Ft. Linear Track Flood Beam, White Finish, Field Installed Narrow Lens

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

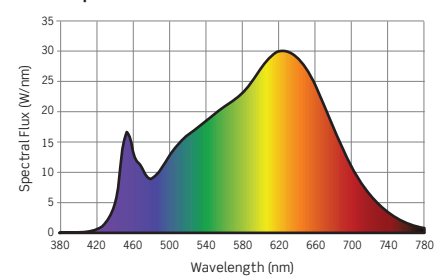
Intensity Distribution

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

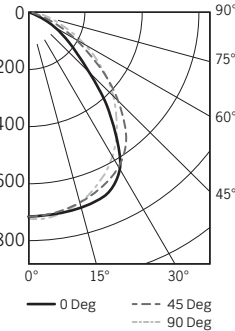
20W 2 Ft. Linear Track Flood Beam, White Finish, Field Installed Wide Lens

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

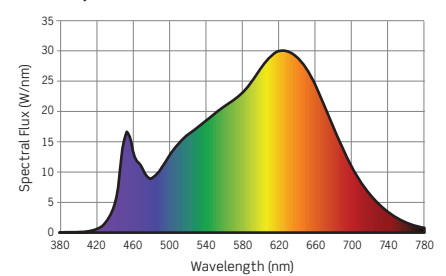
Intensity Distribution

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

DATE

PROJECT

TYPE

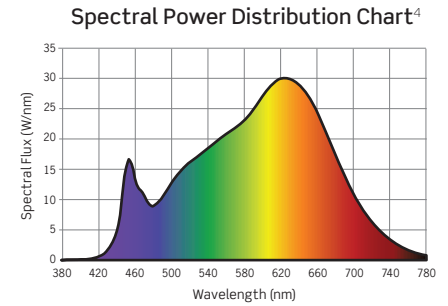
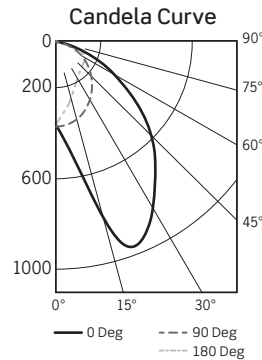
CTL21 SERIES | Eclipse Linear Track Luminaires

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

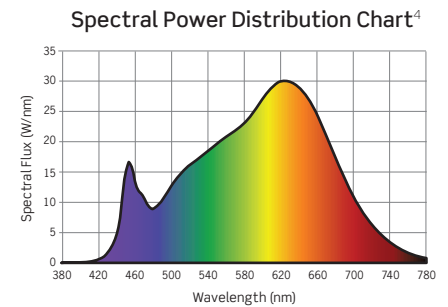
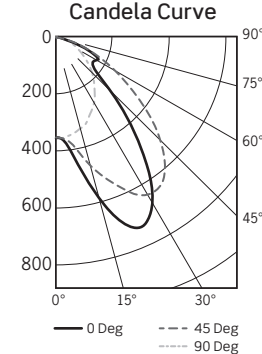
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	10.2	18.6
8 FT	5.7	24.7
10 FT	3.7	30.9
12 FT	2.5	37.1
14 FT	1.9	43.3
16 FT	1.4	49.5



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

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

DATE

PROJECT

TYPE

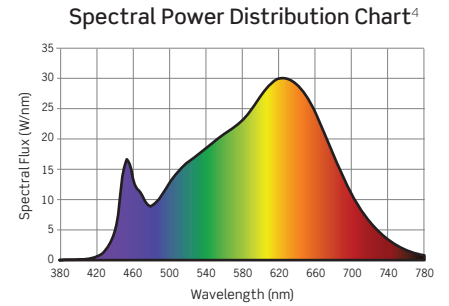
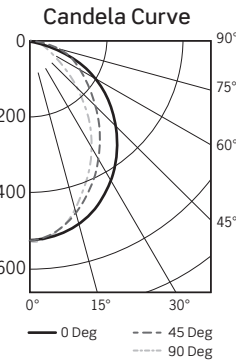
CTL21 SERIES | Eclipse Linear Track Luminaires

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

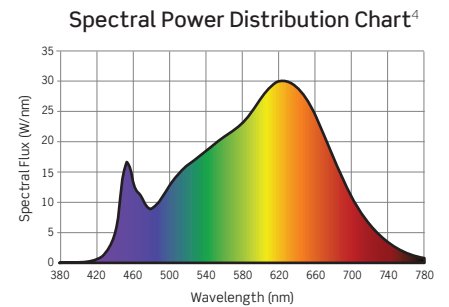
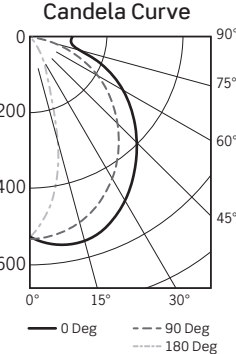
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	14.6	14.8
8 FT	8.2	19.8
10 FT	5.3	24.7
12 FT	3.6	29.7
14 FT	2.7	34.6
16 FT	2.1	39.6



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

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

DATE

PROJECT

TYPE

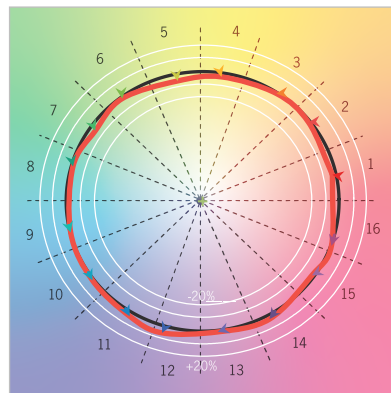
CTL21 SERIES | Eclipse Linear Track Luminaires

TM-30 DATA: CTL21230FCD-P

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

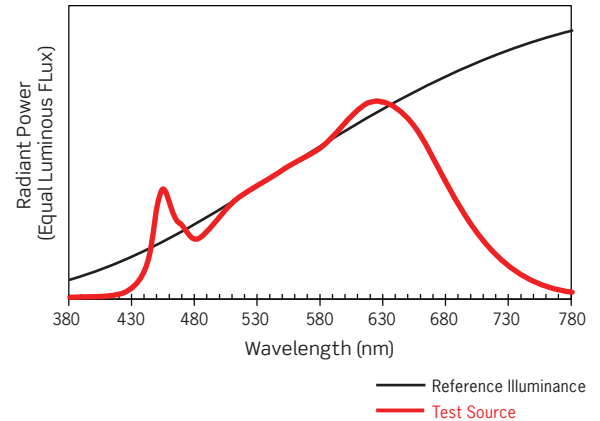
R_f	93
R_g	99
CCT(K)	3118K
D_{uv}	-0.0002
u^I	0.2467
v^I	0.5186

Color Vector Graphic

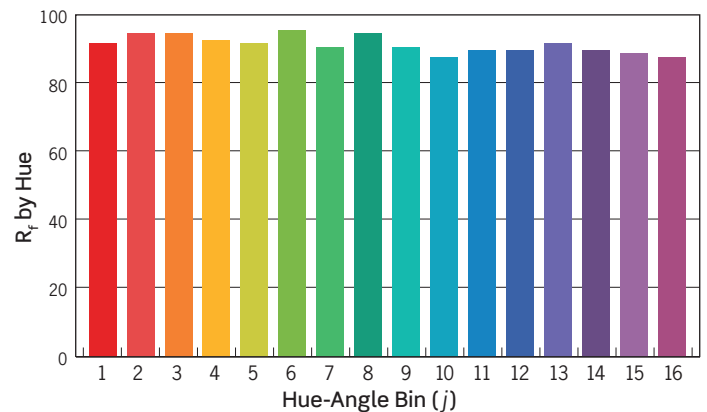
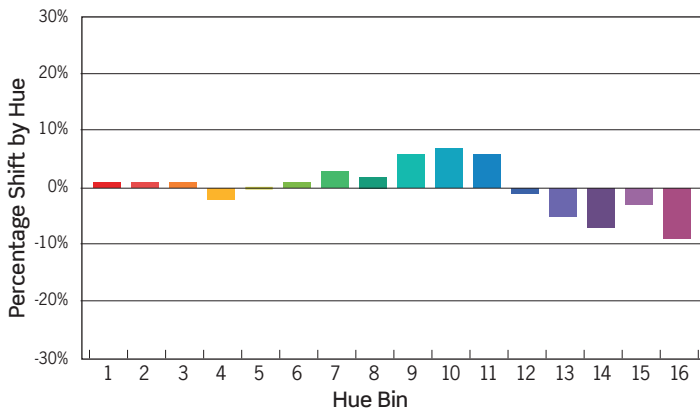


— Reference Illuminance — Test Source

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