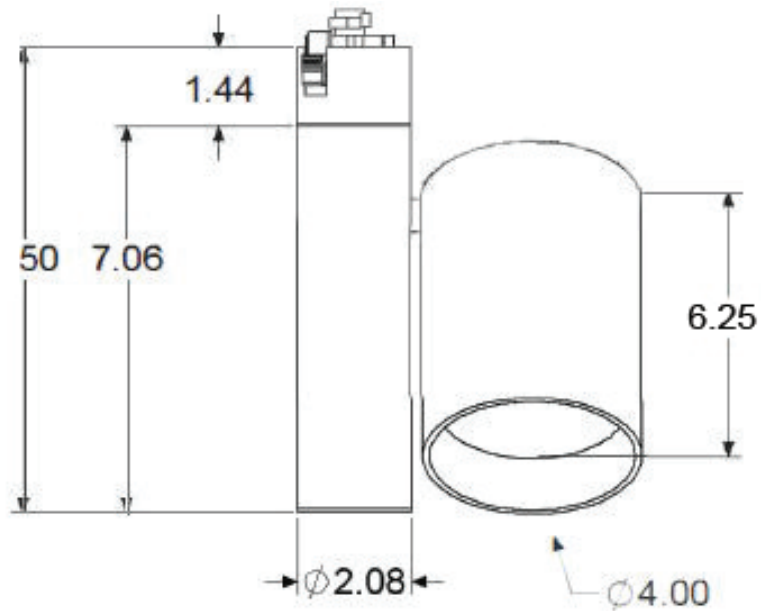


| | | | |
|-----------------|--|-------|--|
| Project Name: | | Type: | |
| Catalog Number: | | Date: | |



Key Features

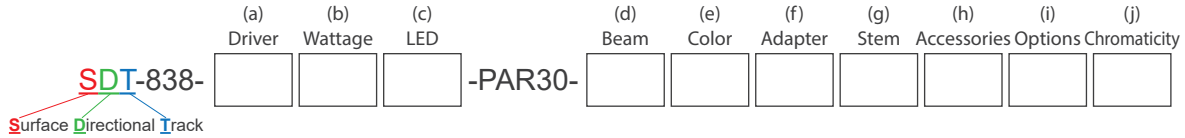
- 4" OD
- Up to 4 accessories
- Remote transformer optoin
- Over 10,000+ fixture custom color finish options
- 100,000+ hr L70 life
- Wall or ceiling mount

LED Source Details

- CREE XML2 LED maximum rating 3,000 mA
- Fixture operating milliamps = 700 mA – 1600 mA
 - Operating 23% - 53% of rated value
 - Fixture delivered lumens = up to 3,911 lumens

Last revised: 05/13/2024

| | | | |
|-----------------|--|-------|--|
| Project Name: | | Type: | |
| Catalog Number: | | Date: | |



(a) Driver Options

- E = ON/OFF (Electronic)
- D = MLV 1% Dimming (2 wire)
- DC12V = .01% PWM DC dimming (2 wire)
- DC24V = .01% PWM DC dimming (2 wire)
- 0-10V1 = 0-10V 1% Dimming (3 wire)

(b) Wattage Options

- 27W (450mA, 1300 Lumens) = ON/OFF
- 35W (700mA, 2000 Lumens) = MLV <1% Dimming
- 44W (1000mA, 2800 Lumens) = ON/OFF
- 48W (3300mA, 3300 Lumens) = MLV <1% Dimming, ON/OFF, 0-10V 1%, Lutron, DMX

(c) LED Type Options

- XLED = Cree XPL2 LED @ All Wattages

(d) Beam Options

- NSP = Narrow Spot NFL = Narrow Flood
- SP = Spot FL = Flood

(e) Fixture Color Options

- BLK = Black
 - WHT = White
 - PWT = Pewter
- Select Custom Color (Review Website for Over 3,300 Color Options)

(f) Track Adapter Options








- 2C 120V = 2 circuit 120V 2C 230 = 2 circuit 230V
- 2C 277 = 2 circuit 277V

(g) Stem Options

- S6* = Stem Size 6" S18 = Stem Size 18"
- S12* = Stem Size 12" S24 = Stem Size 24"
- CS = Custom Stem (up to 96")

*Track only 6" or 12"

(h) Optical and Accessory Options

- LS = Lens Softener - +20% increase in beam width. Shields optical face visually. Softens edges of beam. 
- LSL = Linear Spread Lens - Horizontal or vertical beam elongation. 
- WFL = Wide Flood Lens - Wall washing increases the beam by 50% width with elimination of center beam. 
- LV = Louver - Small black hexcel louver eliminates all surface brightness. Creates stronger vertical cut off with -20% beam width. 
- CHL = Cross Hiar Louver 
- H = Halogen - 150K warmer. 2700k to 2550K 
- DH = Dimmed Halogen - 300K warmer. 2700k to 2400K 

(i) Options

- 80+ = CRI over 80
- 90+ = CRI over 90
- 120V = 120VAC 60Hz (Standard)
- 230V = 230VAC 50Hz (Used in conjunction with 230V track)
- 277V = 277VAC 60Hz (Used in conjunction with 277V track)
- FCP = Flat Canopy Plate
- CP = Canopy Plate
- CPS = Canopy Plate with Stem
- C* = C-Clamp
- PL* = Coil Grounded Plug
- LD = Local Dimming Fixture
- DMX* = .39% to 100% milliamp constant voltage LED driver, dip switch addressable, 3 channel for 27K & 30K, 4 channel for RGBW, CAT5 in & out*

*DMX is required in RGBA or in any 2 circuits or more.
Custom colors available - Consult factory for more details

(j) Color Temperature Options

- | | |
|--|--------------------------------------|
| White LED | Colored/Themed LED |
| 22K* = 2200 Kelvin (candlelight color) | UV275** = 275 NM UV virus sterilizer |
| 27K = 2700 Kelvin (incandescent color) | UV365*** = 365 NM UV black light |
| 30K = 3000 Kelvin (halogen color) | UV390*** = 390 NM UV black light |
| 35K = 3500 Kelvin (warm incandescent) | Blue*** = 465 - 485 NM wavelength |
| 40K = 4000 Kelvin (cool incandescent) | Green*** = 520 - 535 NM wavelength |
| 50K = 5000 Kelvin (day white) | Amber*** = 585 - 595NM wavelength |
| 60K = 6500 Kelvin (12 noon sunlight) | Red*** = 620 - 630 NM wavelength |
| | RGBW3K**** = Red, Green, Blue, White |
| | RGBW4K**** = Red, Green, Blue, White |

*1050 mA or less

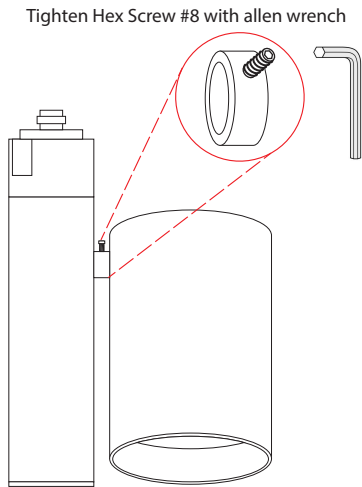
**500 mA

***700 mA

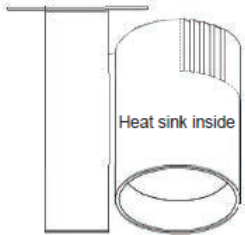
****Must utilize DMX @ 700 mA

| | | | |
|-----------------|--|-------|--|
| Project Name: | | Type: | |
| Catalog Number: | | Date: | |

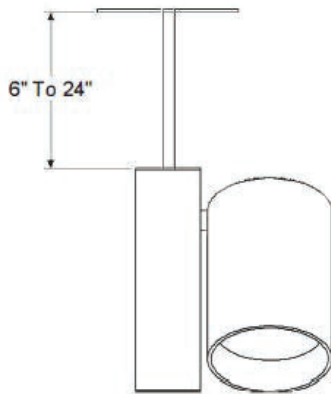
Locking Joint



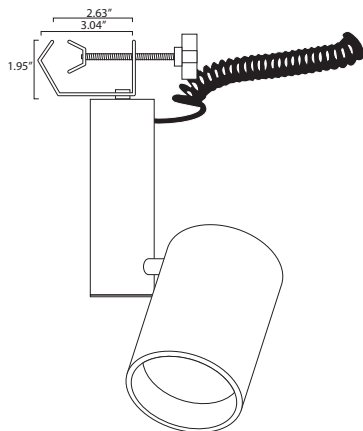
Flat Canopy Plate



Canopy Plate with Stem Option



C-Clamp with Plug



Housing

- 100% aluminum construction

Electrical

- Optional - 12V AC remote class 2
- 120V, 230V or 277V

LED

- 3,000mA maximum rated CREE XPL2 LED
- Operates between 450 to 1200mA
- 15% to 40% of rated mA

LED Driver

- D – 2 wire forward phase .01% LED driver fade to off glow to on
- AC – 2 wire 12V AC

Optics

- TIR discrete injection molded polycarbonate precision LED optic
- 45-degree vertical cut off

Installation

Track Adapter

- 1C - H type single circuit
- 2C 120 - 2 circuit 120V
- 2C 277 - 2 circuit 277V

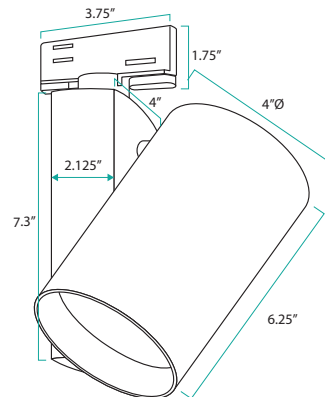
Certification

- UL Damp Listed – IP 52

Warranty

- 7 Year – D and White LED fixtures

DMX Driver Option



SDT-838-PAR30

Surface Directional Track

| | | | |
|-----------------|--|-------|--|
| Project Name: | | Type: | |
| Catalog Number: | | Date: | |

Wattage & Lumen Output

| | | | | |
|---|--|--|--|--|
| 700 Milliamps - 1800 Lumens 22W | 1000 Milliamps - 2500 Lumens 33W | 1200 Milliamps - 3100 Lumens 42W | 1400 Milliamps - 3400 Lumens 46W | 1600 Milliamps - 3900 Lumens 55W |
|---|--|--|--|--|

3 Step CREE XPL2 LED

| Kelvin-CRI | Multiplier |
|--------------|------------|
| 27K-80+ CRI | 1 |
| 27K-90+ CRI | 0.80 |
| 30K-80+ CRI | 1 |
| 30K-90+ CRI | 0.85 |
| 35K-80+ CRI | 1.05 |
| 35K-90+ CRI | 0.9 |
| 40K-80+ CRI | 1.09 |
| 50K-80+ CRI | 1.09 |
| 65K-80+ CRI | 1.05 |
| 80+ = 84 CRI | |
| 90+ = 94 CRI | |

Spot 19°

| | | |
|-------|----------|-------|
| 4' | 1,370 fc | 1.4' |
| 6' | 609 fc | 2.1' |
| 8' | 342 fc | 2.8' |
| 10' | 219 fc | 3.5' |
| 12' | 152 fc | 4.2' |
| 20' | 55 fc | 7.0' |
| 26.7' | 31 fc | 9.4' |
| 40' | 14 fc | 14.0' |

55W PAR30 - 3,607 lm

Narrow Spot 12°

| | | |
|-----|-----------|------|
| 2' | 11,097 fc | 0.4' |
| 4' | 2,774 fc | 0.9' |
| 6' | 1,233 fc | 1.3' |
| 8' | 694 fc | 1.7' |
| 10' | 444 fc | 2.1' |
| 12' | 308 fc | 2.6' |

55W PAR30 - 3,372 lm

Narrow Flood 22°

| | | |
|-------|----------|-------|
| 4' | 1,192 fc | 1.5' |
| 6' | 530 fc | 2.2' |
| 8' | 298 fc | 2.9' |
| 10' | 191 fc | 3.6' |
| 12' | 132 fc | 4.4' |
| 20' | 48 fc | 7.3' |
| 26.7' | 27 fc | 9.7' |
| 40' | 12 fc | 14.5' |

55W PAR30 - 3,481 lm

Flood 32°

| | | |
|-------|--------|-------|
| 4' | 403 fc | 2.3' |
| 6' | 179 fc | 3.4' |
| 8' | 101 fc | 4.5' |
| 10' | 65 fc | 5.7' |
| 12' | 45 fc | 6.8' |
| 20' | 16 fc | 11.3' |
| 26.7' | 9 fc | 15.1' |
| 40' | 4 fc | 22.7' |

55W PAR30 - 3,245 lm

Intensity Summary (cd)

| Gamma | All Planes | Flux (lm) |
|-------|------------|-----------|
| 0 | 44389 | |
| 5 | 27240 | 1963 |
| 10 | 9044 | |
| 15 | 2798 | 872 |
| 20 | 854 | |
| 25 | 440 | 214 |
| 30 | 285 | |
| 35 | 211 | 135 |
| 40 | 172 | |
| 45 | 133 | 105 |
| 50 | 102 | |
| 55 | 57 | 56 |
| 60 | 45 | |
| 65 | 29 | 25 |
| 70 | 3 | |
| 75 | 1 | 1 |
| 80 | 1 | |
| 85 | 0 | 0 |
| 90 | 0 | |

Intensity Summary (cd)

| Gamma | All Planes | Flux (lm) |
|-------|------------|-----------|
| 0 | 19074 | |
| 5 | 16233 | 1332 |
| 10 | 9848 | |
| 15 | 5190 | 1461 |
| 20 | 2626 | |
| 25 | 1289 | 620 |
| 30 | 632 | |
| 35 | 329 | 220 |
| 40 | 211 | |
| 45 | 146 | 114 |
| 50 | 98 | |
| 55 | 57 | 55 |
| 60 | 42 | |
| 65 | 27 | 26 |
| 70 | 14 | |
| 75 | 9 | 10 |
| 80 | 6 | |
| 85 | 2 | 3 |
| 90 | 0 | |

Intensity Summary (cd)

| Gamma | All Planes | Flux (lm) |
|-------|------------|-----------|
| 0 | 6451 | |
| 5 | 5949 | 529 |
| 10 | 4754 | |
| 15 | 3424 | 944 |
| 20 | 2326 | |
| 25 | 1552 | 720 |
| 30 | 1033 | |
| 35 | 639 | 405 |
| 40 | 368 | |
| 45 | 227 | 181 |
| 50 | 145 | |
| 55 | 88 | 83 |
| 60 | 58 | |
| 65 | 39 | 39 |
| 70 | 21 | |
| 75 | 14 | 15 |
| 80 | 9 | |
| 85 | 4 | 4 |
| 90 | 0 | |

Zonal Flux and Percentages

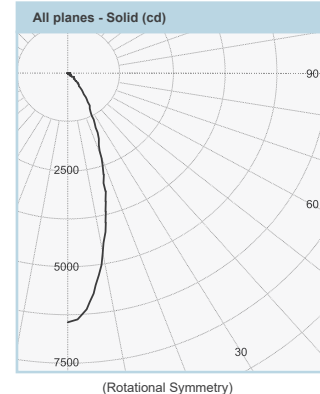
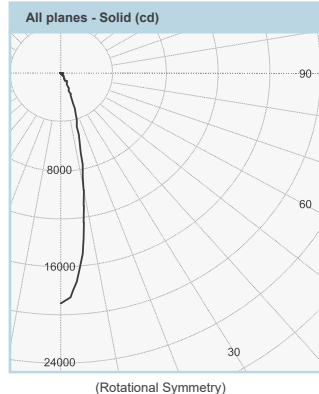
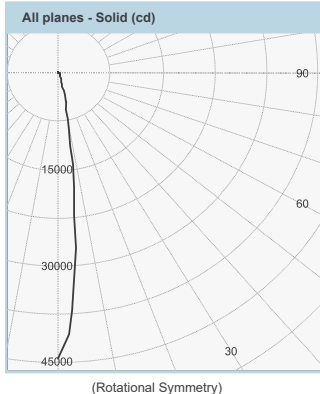
| Zone | Flux (lm) | %Luminaire |
|--------|-----------|------------|
| 0-30 | 3049 | 90.4 |
| 0-40 | 3784 | 94.4 |
| 0-60 | 3345 | 99.2 |
| 0-90 | 3372 | 100.0 |
| 40-90 | 188 | 5.6 |
| 60-90 | 27 | 0.8 |
| 90-180 | 0 | 0.0 |
| 0-180 | 3372 | 100.0 |

Zonal Flux and Percentages

| Zone | Flux (lm) | %Luminaire |
|--------|-----------|------------|
| 0-30 | 3413 | 88.8 |
| 0-40 | 3633 | 94.6 |
| 0-60 | 3802 | 99.0 |
| 0-90 | 3840 | 100.0 |
| 40-90 | 208 | 5.4 |
| 60-90 | 39 | 1.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 3841 | 100.0 |

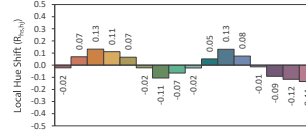
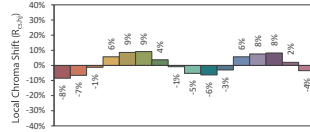
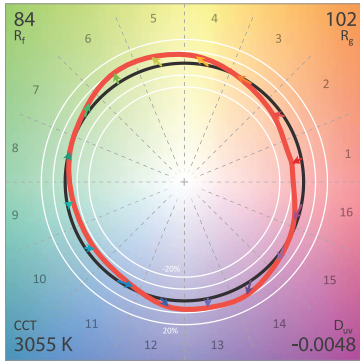
Zonal Flux and Percentages

| Zone | Flux (lm) | %Luminaire |
|--------|-----------|------------|
| 0-30 | 2193 | 75.1 |
| 0-40 | 2598 | 89.0 |
| 0-60 | 2862 | 98.0 |
| 0-90 | 2919 | 100.0 |
| 40-90 | 321 | 11.0 |
| 60-90 | 58 | 2.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 2919 | 100.0 |

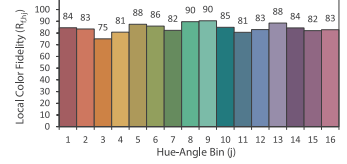
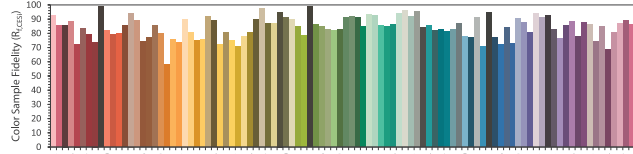


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| Project Name: | | Type: | |
| Catalog Number: | | Date: | |

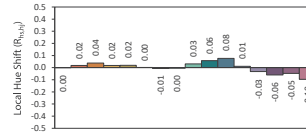
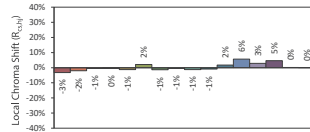
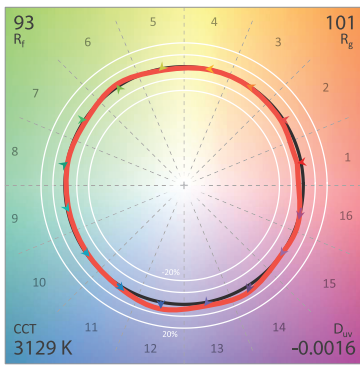
Clarté Lighting 3000K 80+ CRI Color Metrics



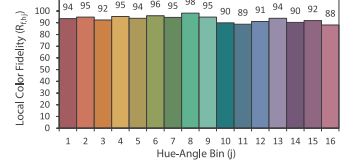
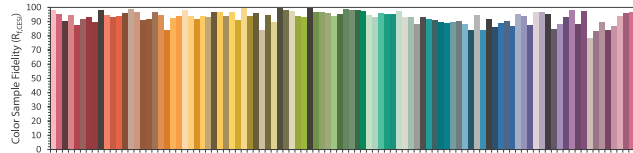
CIE 13.3-1995 (CRI)
 R_a 86
 R_g 29



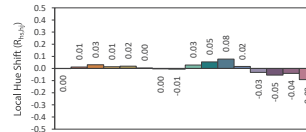
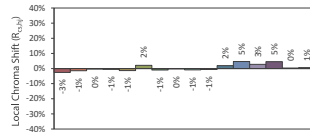
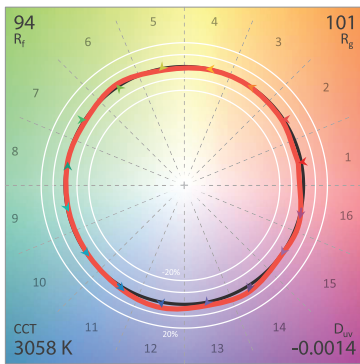
Clarté Lighting 3000K 90+ CRI Color Metrics



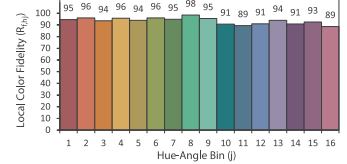
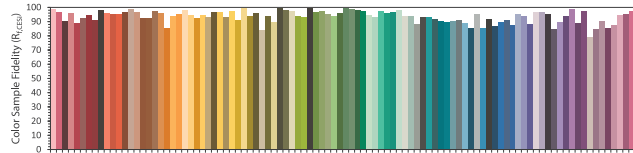
CIE 13.3-1995 (CRI)
 R_a 95
 R_g 74



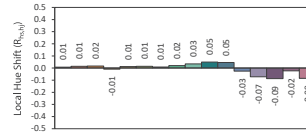
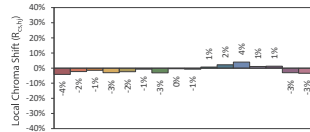
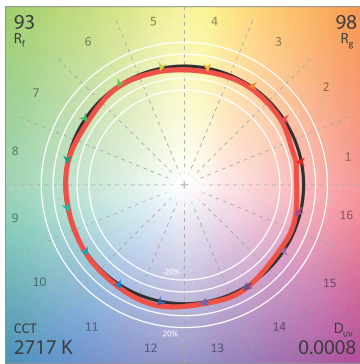
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



CIE 13.3-1995 (CRI)
 R_a 96
 R_g 79



Clarté Lighting 3000K 90+ CRI Dimmed Halogen Lens (DH) Color Metrics



CIE 13.3-1995 (CRI)
 R_a 95
 R_g 64

