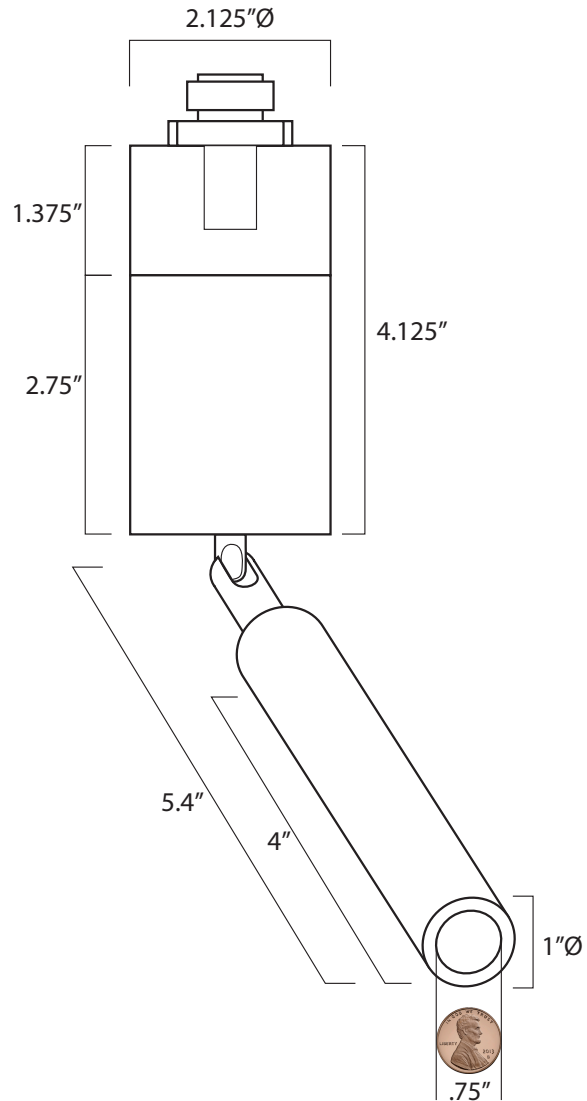


Project Name:		Type:	
Catalog Number:		Date:	



### Key Features

- 3/4" ID & 1" OD LED Optic
- Fixed 1/2" Recessed Trimless
- 365° Rotation
- Remote Transformer Option
- Over 10,000+ fixture custom color finish options
- 100,000+ L70 life
- Wall or ceiling mount

### LED Source Details

- CREE XHP50 LED maximum rating = 1,500mA
- Fixture operating milliamp range = 300mA to 700mA.
- Operating 15% to 38% of rated value 20% to 47%
- Fixture wattage range = 5W to 17W
- Fixture delivered lumens = 500 to 1,150 lumens

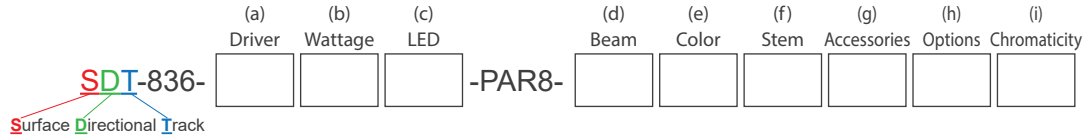
Last revised: 06/24/2024

# Clarté Lighting SDT-836-PAR8

Vertical Round Track

Ordering

Project Name:		Type:	
Catalog Number:		Date:	



### (a) Driver Options

D = MLV 1% Dimming (2 wire)  
0-10V1 = 1% 0-10V Dimming (4 wire)

### (b) Wattage Options

5W (500 Lumens) = ON/OFF, 0-10V 1%, ED\*  
7W (500 Lumens) = MLV <1% Dimming  
11W (525 Lumens) = ON/OFF, 0-10V 1%, ED\*  
14W (525 Lumens) = MLV <1% Dimming  
15W (1150 Lumens) = ON/OFF, 0-10V 1%, ED\*  
17W (1150 Lumens) = MLV <1% Dimming

\*Only with no accessories.

### (c) Lamp Type Options

X4LED = Cree XHP50 LED = 50+% brighter than XLED  
(available in spot, narrow flood, and flood)

### (d) Beam Options

SP = Spot NFL = Narrow Flood  
FL = Flood

### (e) Fixture Color Options


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


### (f) Stem Options


S6\* = Stem Size 6" S18\* = Stem Size 18"  
S12\* = Stem Size 12" CS = Custom Stem  
(up to 96" for flat canopy)


\*Track only 6", 12", or 18"


### (g) 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 - 100K warmer. 2700k to 2500K 

DH = Dimmed Halogen - 400K warmer. 2700k to 2300K

### (h) Options

FCP = Flat Canopy Plate  
120V = 120VAC 60Hz (Standard)  
277V = 277VAC 60Hz  
80+ = CRI over 80  
90+ = CRI over 90  
EXT = Exterior zinc primer with zinc infused paint  
LD = Local Dimming  
AWN = Athena Wireless Node (use with DALI2)  
AWNPN = Athena Wireless Node Photocell (use with DALI2)

### (i) Color Temperature Options

#### White LED

22K\* = 2200 Kelvin (candlelight color)  
27K = 2700 Kelvin (incandescent color)  
30K = 3000 Kelvin (halogen color)  
35K = 3500 Kelvin (warm incandescent)  
40K = 4000 Kelvin (cool incandescent)  
50K = 5000 Kelvin (day white)  
65K = 6500 Kelvin (12 noon sunlight)

#### Colored/Themed LED

UV365\*\* = 365 NM UV black light  
UV390\*\* = 390 NM UV black light  
Blue\* = 465 - 485 NM wavelength  
Green\* = 520 - 535 NM wavelength  
Amber\* = 585 - 595NM wavelength  
Red\* = 620 - 630 NM wavelength

\*1050 mA or less

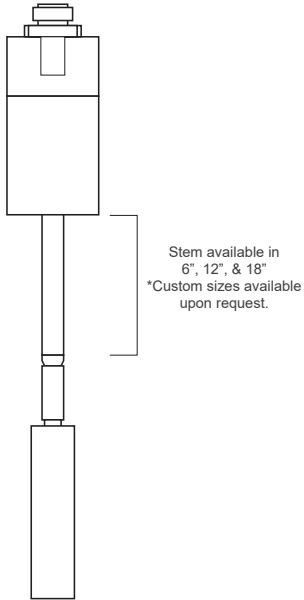
\*\*700 mA or less

# SDT-836-PAR8

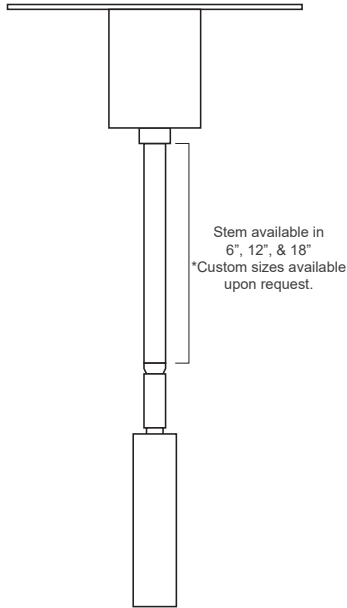
## Vertical Round Track

Project Name:		Type:	
Catalog Number:		Date:	

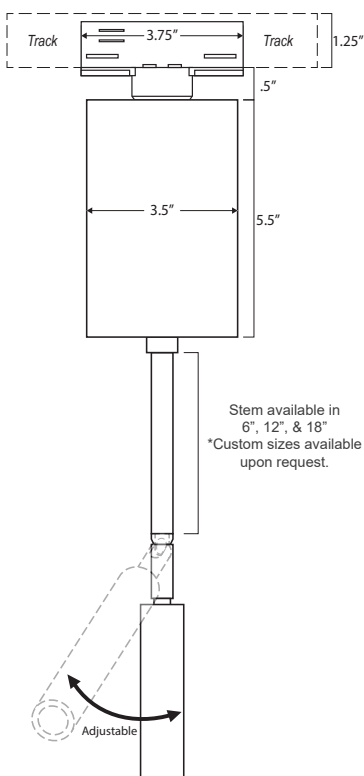
Stem Option



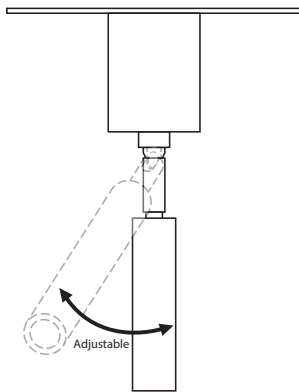
Canopy Plate with Stem Option



2 Circuit & DMX



Canopy Plate



### Housing

- 100% aluminum construction

### Electrical

- Optional - 12V AC remote class 2
- Optional - 12V or 24 DC remote class 2
- 120V, 230V, or 277V

### LED

- CREE XHP502
- Operates between 350 to 700 milliamps
- L70 life = 100,000 hr.+

### LED Driver

- D – 2 wire forward phase .01% LED driver fade to off glow to on
- ED – 2 wire reverse phase 1% LED driver
- DC – 12V or 24V
- 0-10V – 3 wire 1% LED driver
- Absolute Light – Remote mount class 2 48V din rail .001% LED system
- 16-bit RMD DMX – 65,536 dimming steps fade to off glow to on

### Optics

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

### Certification

- UL Damp Listed – IP 52

### Warranty

- 5 Year – ED, 0-10V, DMX and colored LED fixtures
- 7 Year – D and White LED fixtures

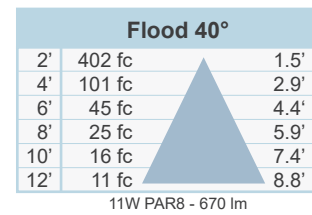
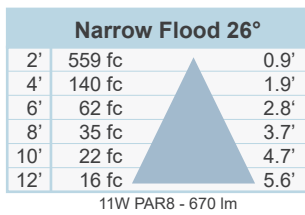
# SDT-836-PAR8

Vertical Round Track

Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output			
<b>350 Milliamps - 450 Lumens</b>		<b>700 Milliamps</b>	
5W	ON/OFF	10W	Red - Up to 150 Lumens
	0-10V 1% Dimming		Green - Up to 150 Lumens
	ED		Blue - Up to 150 Lumens
7W	MLV <1% Dimming		White - Up to 300 Lumens
		<b>525 Milliamps - 600 Lumens</b>	
		11W	ON/OFF
			0-10V 1% Dimming
			ED
		14W	MLV <1% Dimming
		<b>700 Milliamps - 900 Lumens</b>	
		15W	ON/OFF
			0-10V 1% Dimming
			ED
		14W	MLV <1% Dimming
			DMX

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	105
35K-90+ CRI	0.9
40K-80+ CRI	109
50K-80+ CRI	109
65K-80+ CRI	105
80+ = 84 CRI	
90+ = 94 CRI	

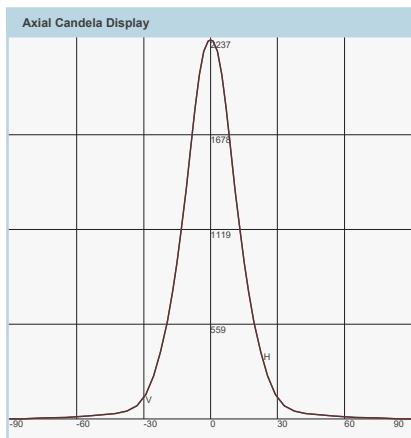


**Zonal Flux and Percentages**

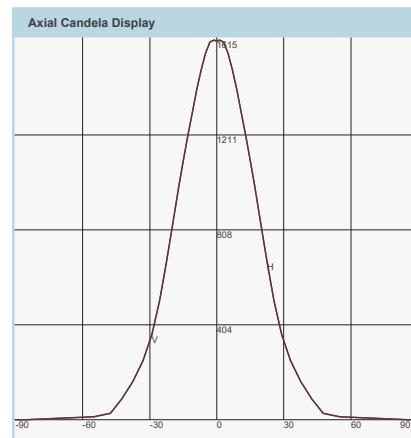
Zone	%Luminaire
0-20	63
0-30	83.3
0-40	89.8
0-60	95.8
0-80	99.2
0-90	100
10-90	77.9
20-40	26.7
20-50	30.6
40-70	8
60-80	3.4
70-80	1.4
80-90	0.8

**Zonal Flux and Percentages**

Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5



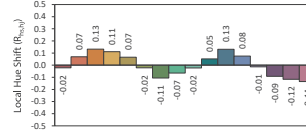
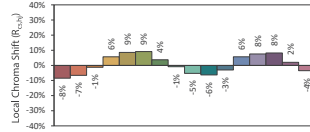
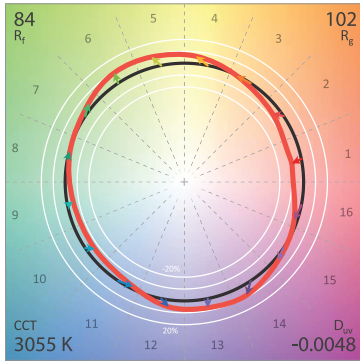
Maximum Candela = 2237 Located At Horizontal Angle = 0, Vertical Angle = 0  
 H - Horizontal Axial Candela  
 V - Vertical Axial Candela



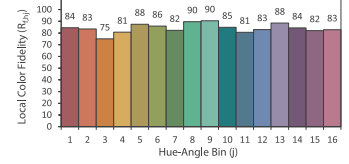
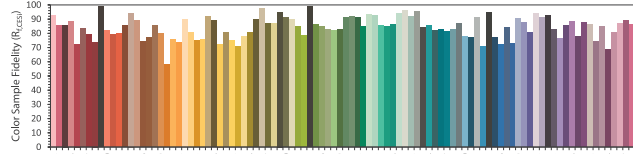
Maximum Candela = 1615 Located At Horizontal Angle = -1, Vertical Angle = 0  
 H - Horizontal Axial Candela  
 V - Vertical Axial Candela

Project Name:		Type:	
Catalog Number:		Date:	

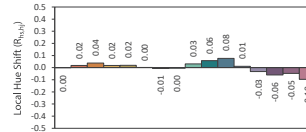
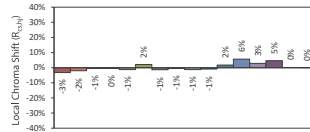
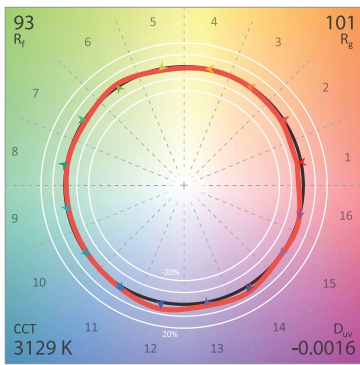
Clarté Lighting 3000K 80+ CRI Color Metrics



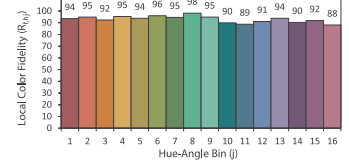
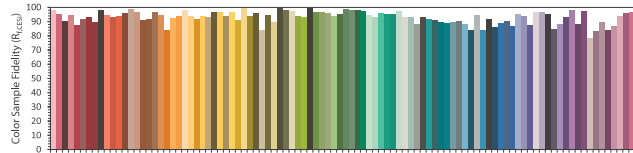
CIE 13.3-1995 (CRI)  
 $R_a$  86  
 $R_g$  29



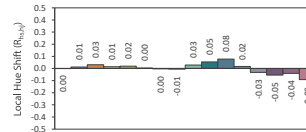
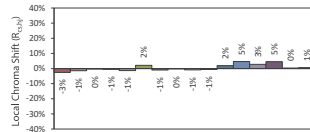
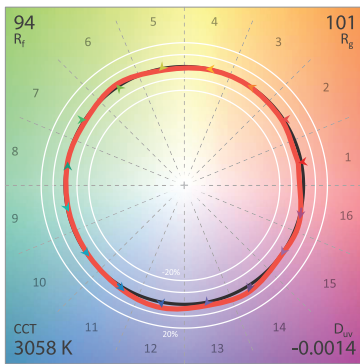
Clarté Lighting 3000K 90+ CRI Color Metrics



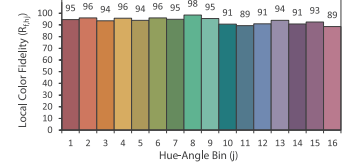
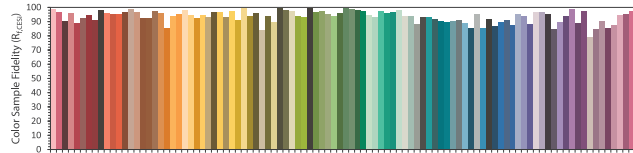
CIE 13.3-1995 (CRI)  
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 $R_g$  74



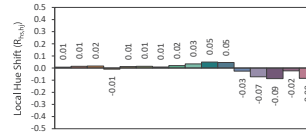
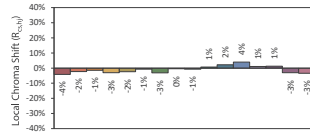
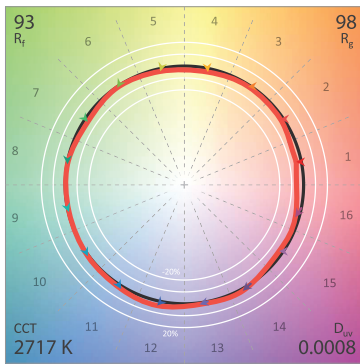
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



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

