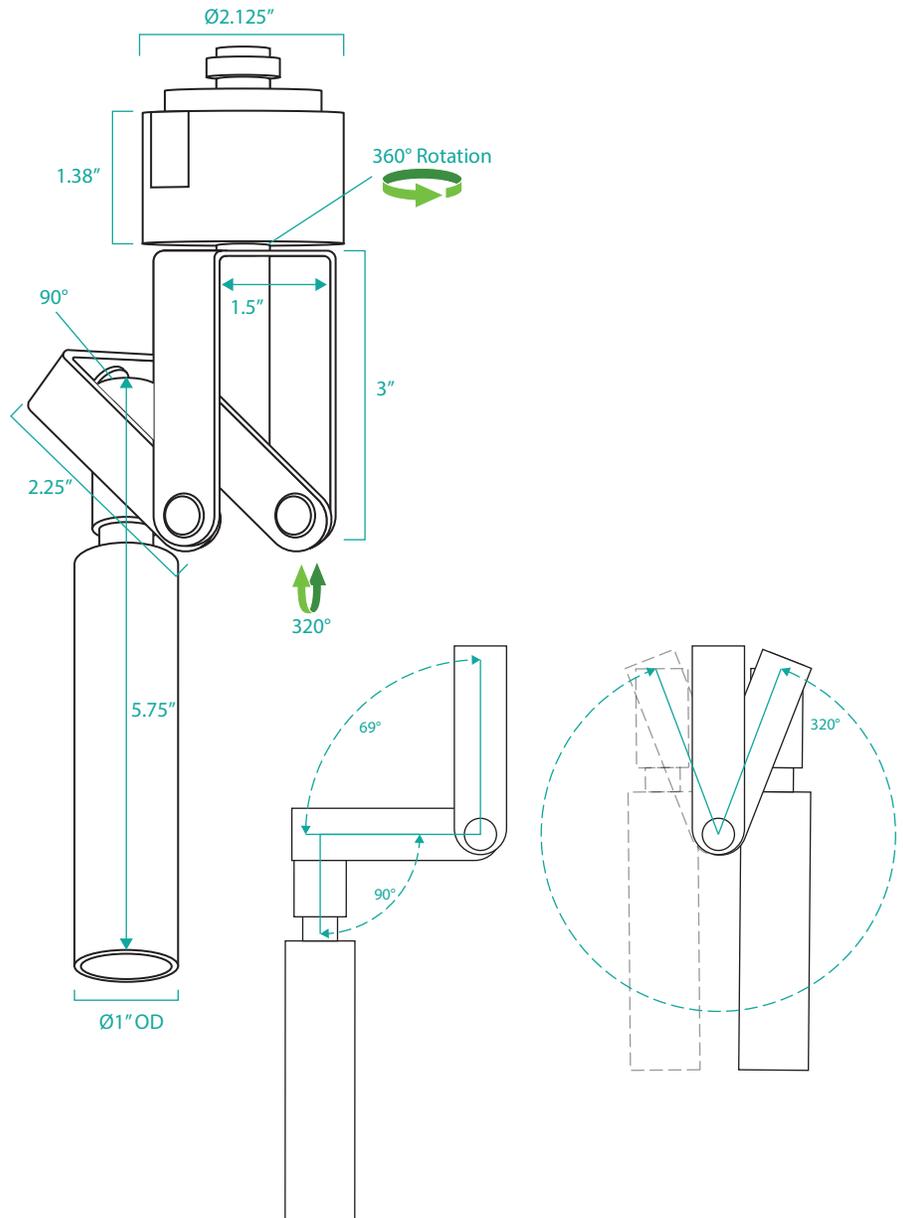


SDT-835-PAR8-OA

Vertical Round Off-Axis Track

Project Name:		Type:	
Catalog Number:		Date:	



Key Features

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

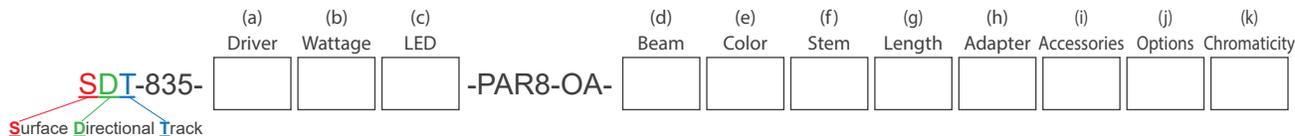
LED Source Details

- CREE XHP50 LED maximum rating = 1,500mA
- Fixture operating milliamp range = 350mA to 500mA.
- Operating 15% to 38% of rated value 20% to 47%
- Fixture wattage range = 5W to 17W
- Fixture delivered lumens = 500 to 1,150 lumens

Patent No.: US 10,208,928 B1
Other Patents Pending

Last revised: 10/20/2025

Project Name:		Type:	
Catalog Number:		Date:	



(a) Driver Options

D	= MLV 1% Dimming (2 wire)
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(b) Wattage Options

7W (500 Lumens)	= MLV <1% Dimming
14W (525 Lumens)	= MLV <1% Dimming

(c) Lamp Type Options

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

L2	= 2" Length 350mA L3	= 3" Length 350mA
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(h) Track Adapter Options

1C	= 1 circuit 12V AC	MTS	= Micro Track Surface 48V
2C	= 2 circuit 12V AC	MTR	= Micro Track Round 48V
3C	= 3 circuit 12V AC	MTT	= Micro Track Trimless 48V

(j) 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 Hair Louver	
H	= Halogen - 100K warmer from 2700k to 2600K	
DHF	= Dimmed Halogen Film - 300K warmer from 2700K to 2400K color	
2xDHF	= Dimmed Halogen Film - 500K warmer	
DH	= Dimmed Halogen - 400K warmer from 2700k to 2300K	

(j) Options

RMT60	= 60Watt 12V AC MLV Step Down Transformer
RMT150	= 150Watt 12V AC MLV Step Down Transformer
RMT300	= 300Watt 12V AC MLV Step Down Transformer
120V	= 120VAC 60Hz (Standard)
277V	= 277VAC 60Hz
80+	= CRI over 80
90+	= CRI over 90
EXT	= Exterior zinc primer with zinc infused paint
AWN	= Athena Wireless Node (use with DALIV2)
AWNPN	= Athena Wireless Node Photocell (use with DALIV2)

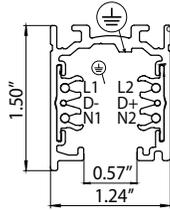
(k) Color Temperature Options

White LED		Colored/Themed LED	
27K	= 2700 Kelvin (incandescent color)	RGBW3K*	= Red, Green, Blue, White
30K	= 3000 Kelvin (halogen color)	RGBW4K*	= Red, Green, Blue, White
35K	= 3500 Kelvin (warm incandescent)		
40K	= 4000 Kelvin (cool incandescent)		
50K	= 5000 Kelvin (day white)		
*Must utilize DMX fixture option			

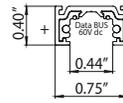
Project Name:		Type:	
Catalog Number:		Date:	

Track Size Comparison

SURFACE 120V/277V Class 1 Track

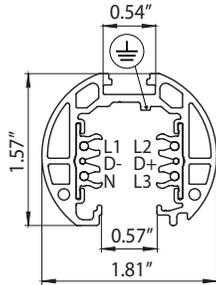


MICRO SURFACE 48V Class 2 Track

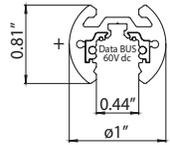


84% Smaller

ROUND 120V/277V Class 1 Track

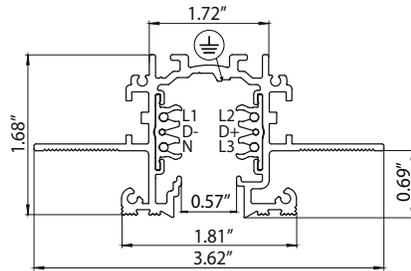


MICRO ROUND 48V Class 2 Track

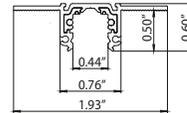


71% Smaller

TRIMLESS 120V/277V Class 1 Track

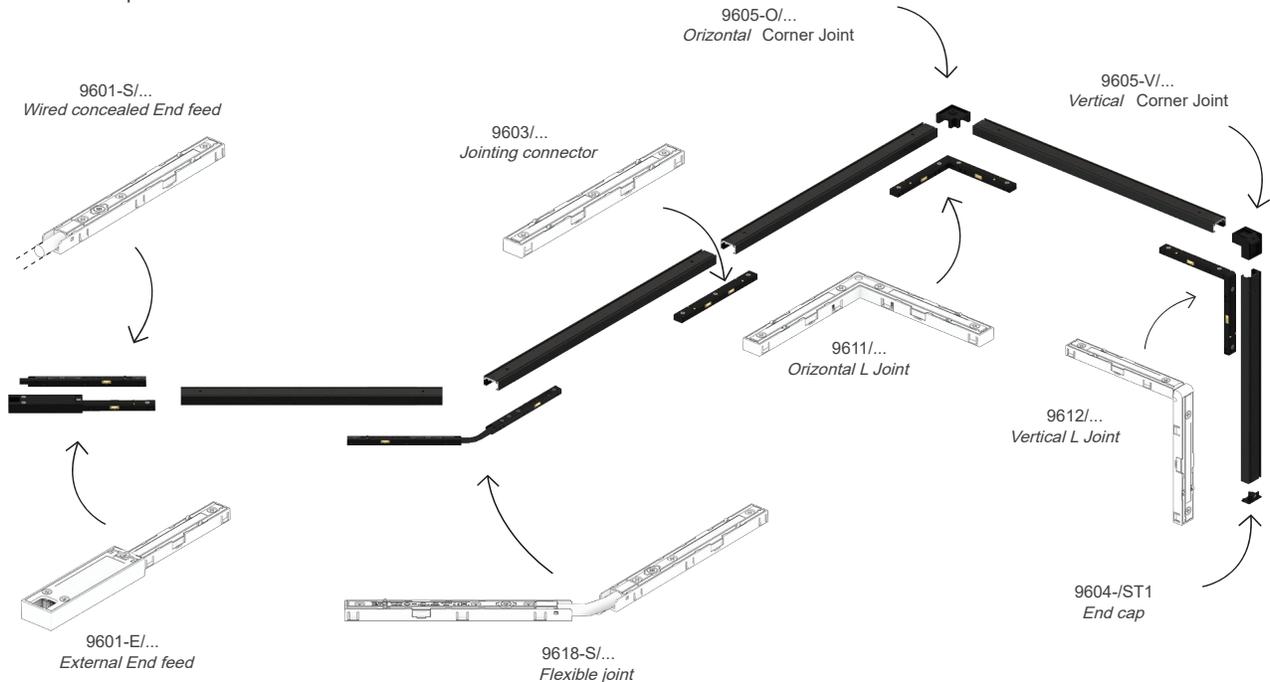


MICRO TRIMLESS 48V Class 2 Track



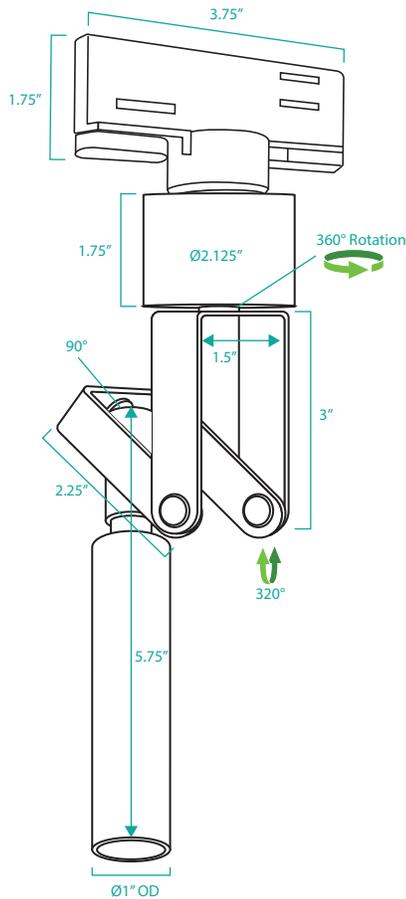
76% Smaller

Track Composition Example



Project Name:		Type:	
Catalog Number:		Date:	

2 or 3 Circuit Track Adapter

**Housing**

- 100% aluminum construction

Electrical

- Line Voltage Track - 120V or 277V into remote step down 12V AC low voltage magnetic transformer (D)
- Micro Track - 120V or 277V into Remote 12V AC magnetic low voltage (D) OR
- 24V Constant Voltage into ON/OFF or DALI2 into 48V rated track

Track

- 100% extruded aluminum

Track Adapter

- Micro Track – Stucchi Micro 48V Track Adapter
- Standard Track – Stucchi 120V or 277V ONE Track System Adapter

Track Type Options

- Micro Track – Surface, Round and Recessed
- Standard Track – Surface, Round, Recessed and Trimless

LED

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

LED Driver

- D - .1% magnetic low voltage forward phase dimming
- E - ON and OFF constant current LED driver
- DALI2 - .1% Digital Dali programmable LED dimmable addressable driver

Optics

- TIR discrete injection molded polycarbonate precision LED optic with high center beam candle power with 45-degree vertical cut off visually

Installation

- Open platform

Certification

- UL Damp Listed – IP 52

Warranty

- 5 Year – 5 Year - E & DALI2
- 7 Year – D

SDT-835-PAR8-OA

Vertical Round Off-Axis Track

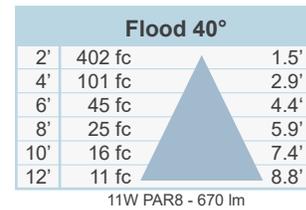
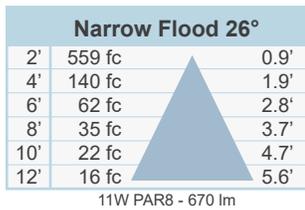
Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output			
300 Milliamps - 500 Lumens		700 Milliamps	
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
525 Milliamps - 900 Lumens		700 Milliamps - 1150 Lumens	
11W	ON/OFF	15W	ON/OFF
	0-10V 1% Dimming		0-10V 1% Dimming
	ED		ED
14W	MLV <1% Dimming	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	

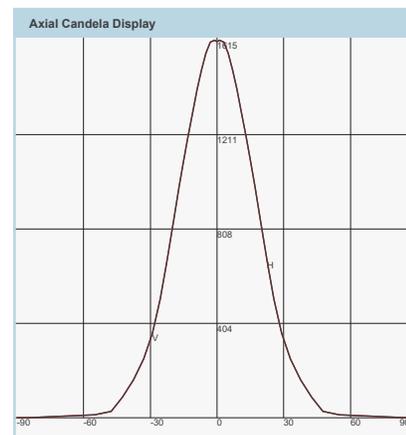
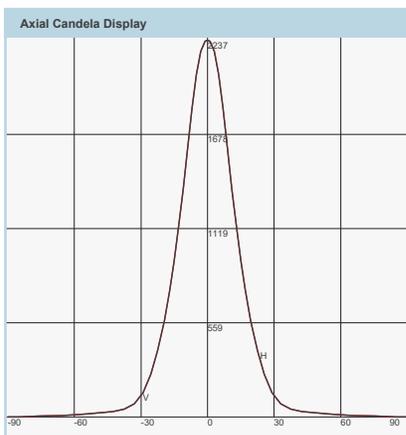
RGBW V2 Light Output Luminous Flux		
Clarté Lighting offers 100% of fixtures in optional RGBW3K or RGBW4K		
	700 mA RGBW3K	700 mA White 3K
Red	160	
Green	310	
Blue	46	
White	260	
Total	776	907

*RGBW Fixtures are designed to not operate with all 4 colors at 100% of light for more than 24hrs continuously and suggest operating 55% or less of all 4 colors ON to ensure optimum thermal life of the RGBW LED.



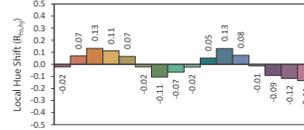
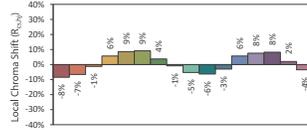
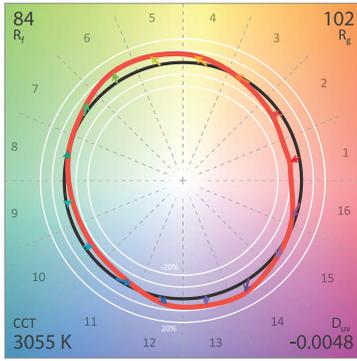
Zonal Flux and Percentages	
Zone	%Luminaire
0-20	63
0-30	83.3
0-40	89.8
0-60	95.8
0-80	99.2
0-90	100
10-90	77.9
20-40	26.7
20-50	30.6
40-70	8
60-80	3.4
70-80	1.4
80-90	0.8

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

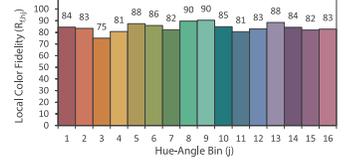
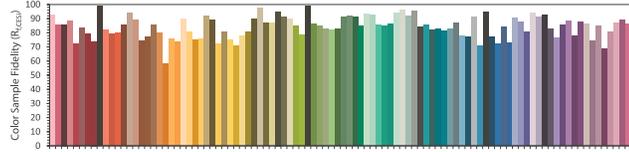


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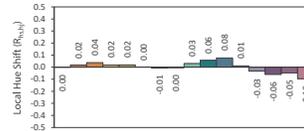
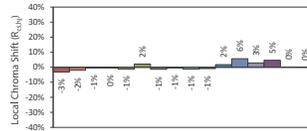
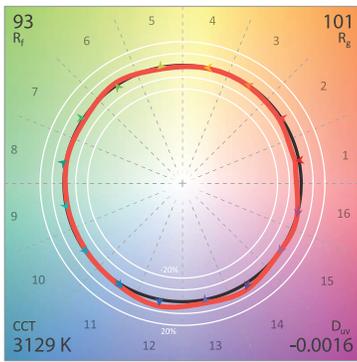
Clarté Lighting 3000K 80+ CRI Color Metrics



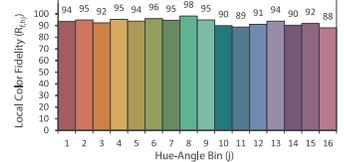
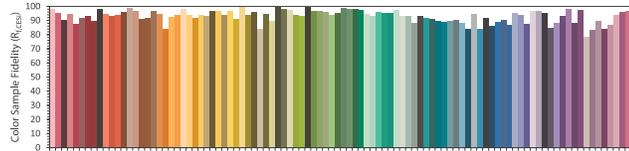
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R_a 86
R_s 29



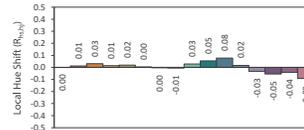
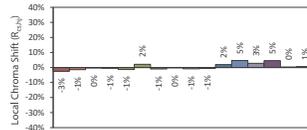
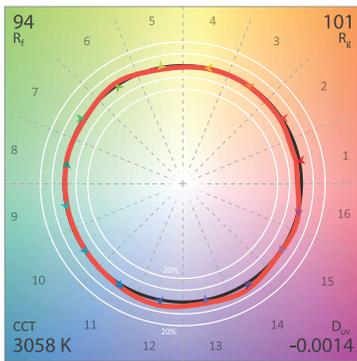
Clarté Lighting 3000K 90+ CRI Color Metrics



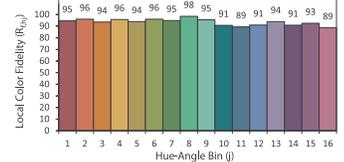
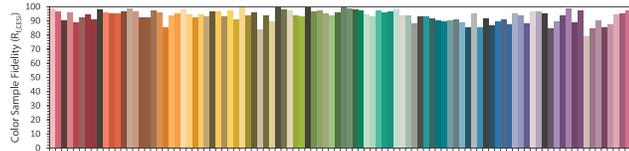
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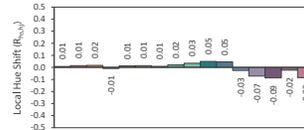
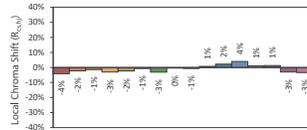
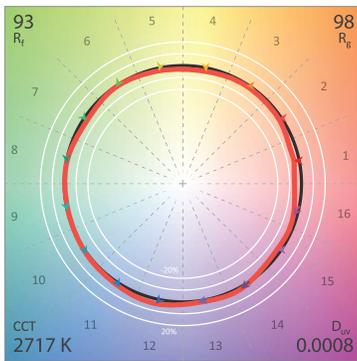
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



CIE 13.3-1995 (CRI)
R_a 96
R_s 79



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



CIE 13.3-1995 (CRI)
R_a 95
R_s 64

