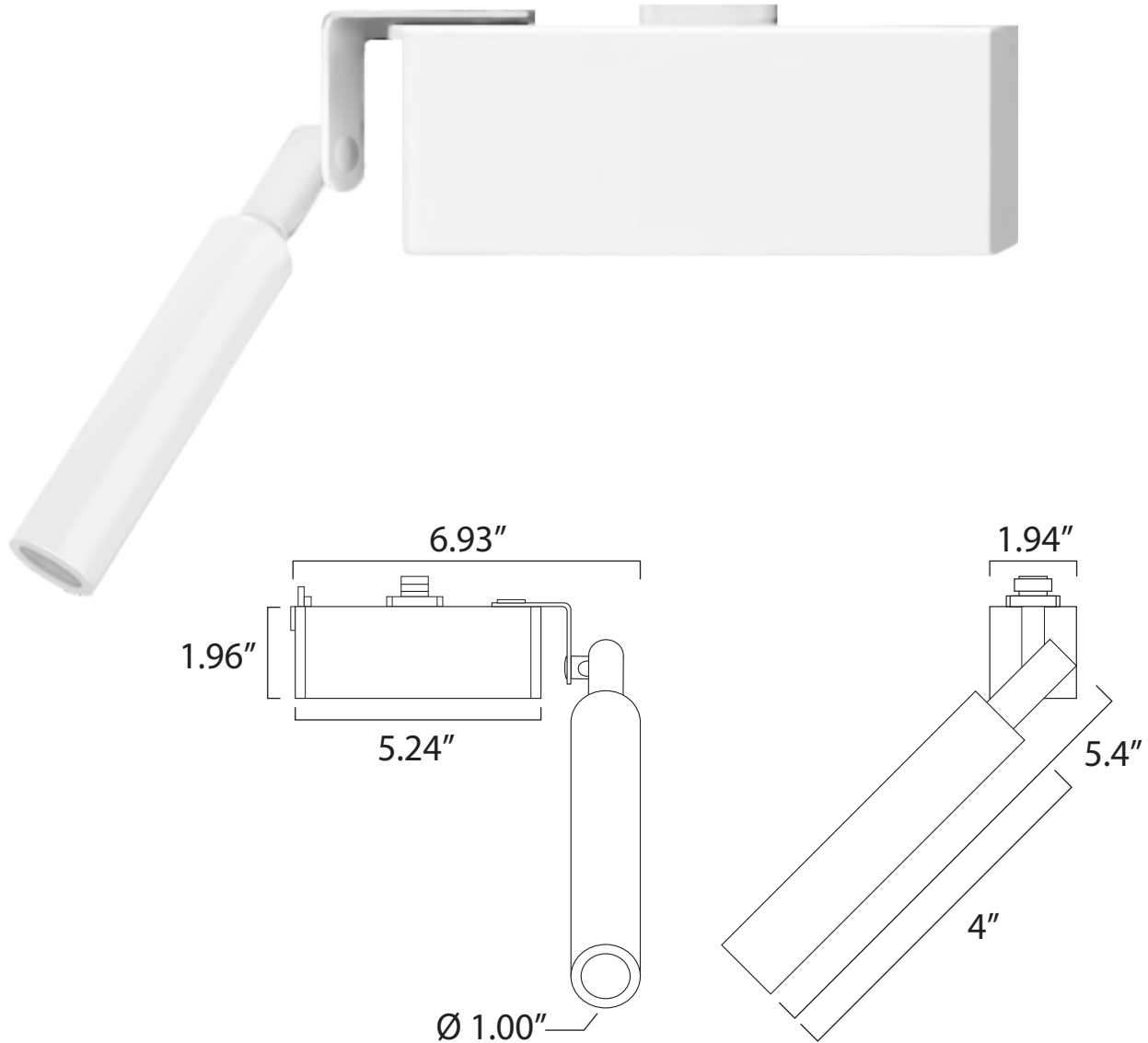


Project Name:		Type:	
Catalog Number:		Date:	



### Key Features

- 3/4" ID & 1" OD LED Optic
- Fixed 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

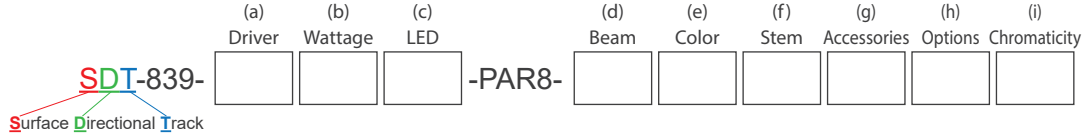
- CREE XHP50 LED maximum rating = 1,500mA
- Fixture operating milliamp range = 300mA to 700mA.
- Operating 15% to 38% of rated value 20% to 47%
- Fixture wattage range = 5W to 17W
- Fixture delivered lumens = 500 to 1,150 lumens

Last revised: 05/13/2024

# SDT-839-PAR8

Low Profile

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
17W (1150 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) 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**

RMT60	= 60Watt 12V AC MLV Step Down Transformer
RMT150	= 150Watt 12V AC MLV Step Down Transformer
RMT300	= 300Watt 12V AC MLV Step Down Transformer
12V	= DC
24V	= DC
120V	= 120VAC 60Hz (Standard)
230V	= 230VAC 50Hz
277V	= 277VAC 60Hz
347V	= 347VAC 60Hz
TB	= DMX 5-pin Plug-in Terminal Block
80+	= CRI over 80
90+	= CRI over 90
EXT	= Exterior zinc primer with zinc infused paint
AWN	= Athena Wireless Node (use with DALI2)
AWNPN	= Athena Wireless Node Photocell (use with DALI2)

**(i) Color Temperature Options**

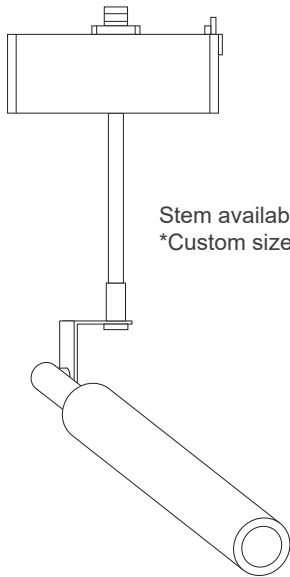
White LED	Colored/Themed LED		
22K*	= 2200 Kelvin (candlelight color)	UV365**	= 365 NM UV black light
27K	= 2700 Kelvin (incandescent color)	UV390**	= 390 NM UV black light
30K	= 3000 Kelvin (halogen color)	Blue*	= 465 - 485 NM wavelength
35K	= 3500 Kelvin (warm incandescent)	Green*	= 520 - 535 NM wavelength
40K	= 4000 Kelvin (cool incandescent)	Amber*	= 585 - 595NM wavelength
50K	= 5000 Kelvin (day white)	Red*	= 620 - 630 NM wavelength
65K	= 6500 Kelvin (12 noon sunlight)		

available soon

\*1050 mA or less                      \*\*700 mA or less

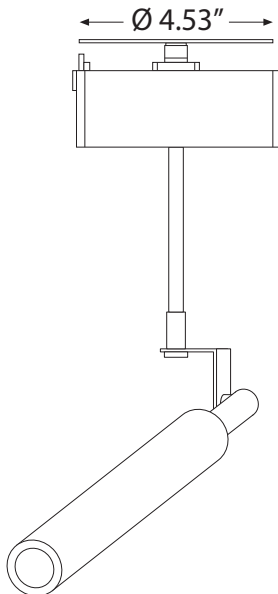
Project Name:		Type:	
Catalog Number:		Date:	

## Stem Option

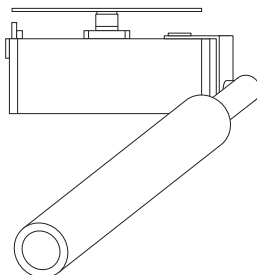


Stem available in 6", 12", & 18"  
\*Custom sizes available upon request.

## Stem &amp; Canopy Plate Option



## Canopy Plate Option

**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-839-PAR8

Low Profile

Project Name:		Type:	
Catalog Number:		Date:	

### Wattage & Lumen Output

#### 350 Milliamps - 450 Lumens

5W	ON/OFF
	0-10V 1% Dimming
	ED
7W	MLV <1% Dimming

#### 700 Milliamps

10W	Red - Up to 150 Lumens
	Green - Up to 150 Lumens
	Blue - Up to 150 Lumens
	White - Up to 300 Lumens

#### 525 Milliamps - 600 Lumens

11W	ON/OFF
	0-10V 1% Dimming
	ED
14W	MLV <1% Dimming

#### 700 Milliamps - 900 Lumens

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

### Narrow Flood 26°

2'	559 fc	0.9'
4'	140 fc	1.9'
6'	62 fc	2.8'
8'	35 fc	3.7'
10'	22 fc	4.7'
12'	16 fc	5.6'

11W PAR8 - 670 lm

### Flood 40°

2'	402 fc	1.5'
4'	101 fc	2.9'
6'	45 fc	4.4'
8'	25 fc	5.9'
10'	16 fc	7.4'
12'	11 fc	8.8'

11W PAR8 - 670 lm

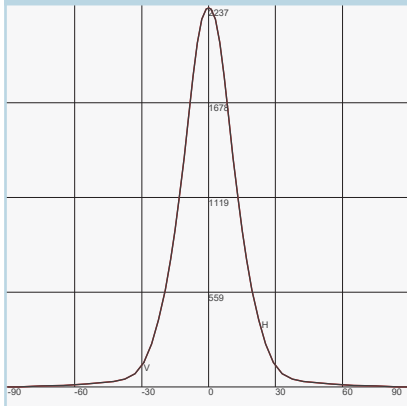
### Zonal Flux and Percentages

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

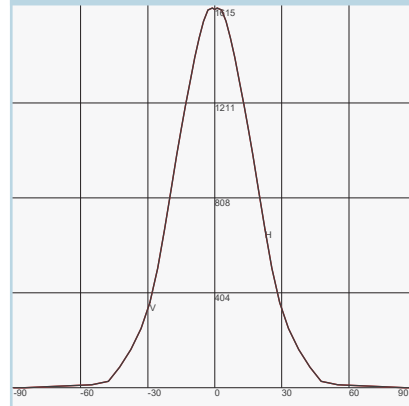
Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5

### Axial Candela Display



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

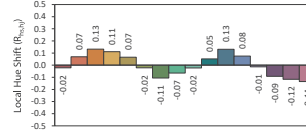
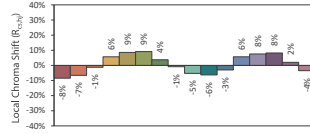
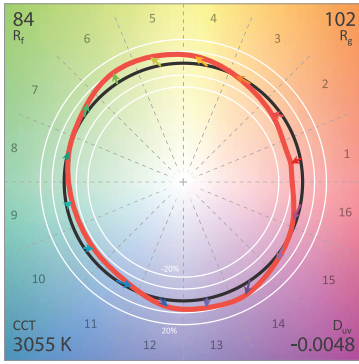
### Axial Candela Display



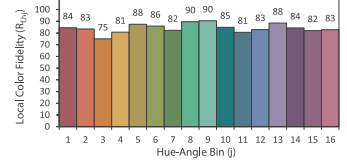
Maximum Candela = 1615 Located At Horizontal Angle = -1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

Project Name:		Type:	
Catalog Number:		Date:	

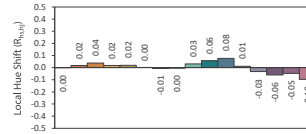
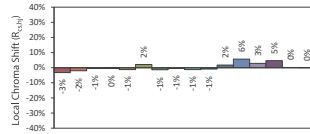
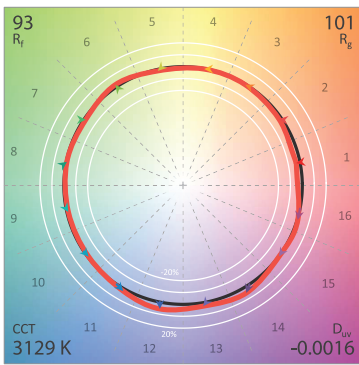
Clarté Lighting 3000K 80+ CRI Color Metrics



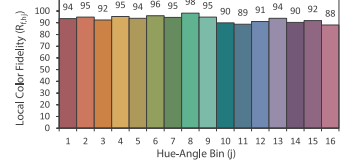
CIE 13.3-1995 (CRI)  
 R<sub>a</sub> 86  
 R<sub>9</sub> 29



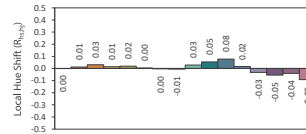
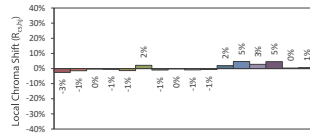
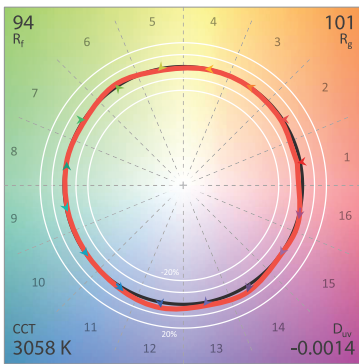
Clarté Lighting 3000K 90+ CRI Color Metrics



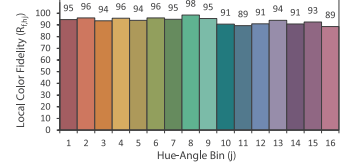
CIE 13.3-1995 (CRI)  
 R<sub>a</sub> 95  
 R<sub>9</sub> 74



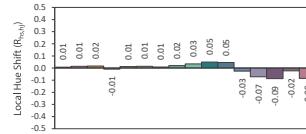
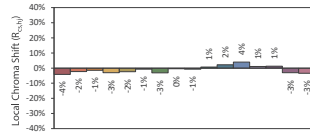
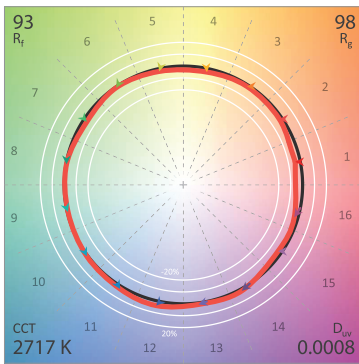
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



CIE 13.3-1995 (CRI)  
 R<sub>a</sub> 96  
 R<sub>9</sub> 79



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



CIE 13.3-1995 (CRI)  
 R<sub>a</sub> 95  
 R<sub>9</sub> 64

