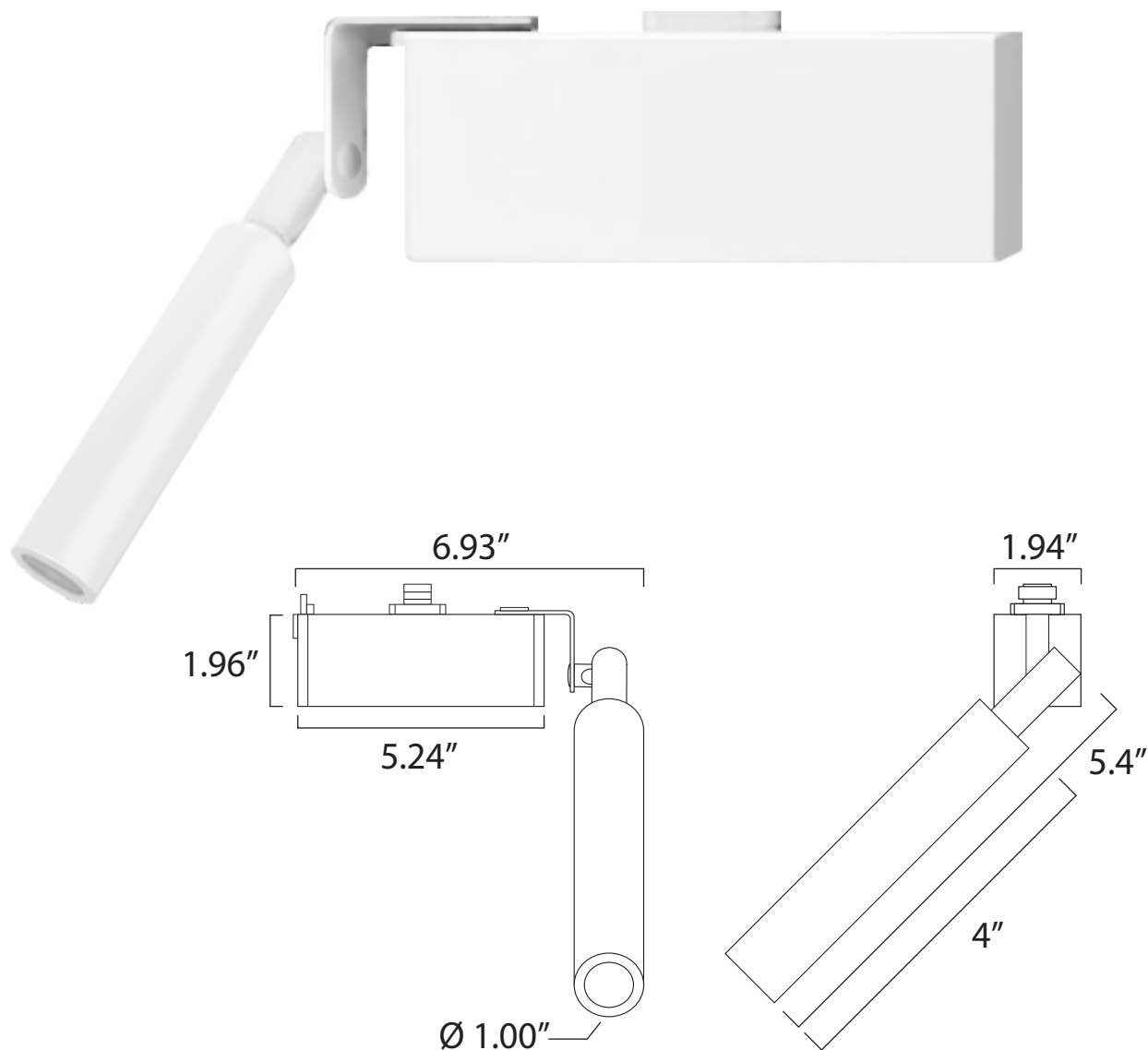


Project Name:		Type:	
Catalog Number:		Date:	



Key Features

- ¾" ID & 1" OD LED Optic
- Fixed ½" 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: 01/05/2026

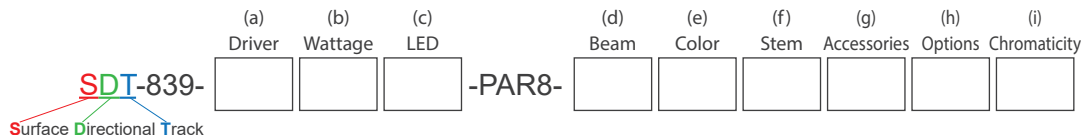
Clarté Lighting

SDT-839-PAR8

Low Profile

Ordering

Project Name:		Type:	
Catalog Number:		Date:	



(a) Driver Options

D = MLV 1% Dimming (2 wire)

(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)

(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

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

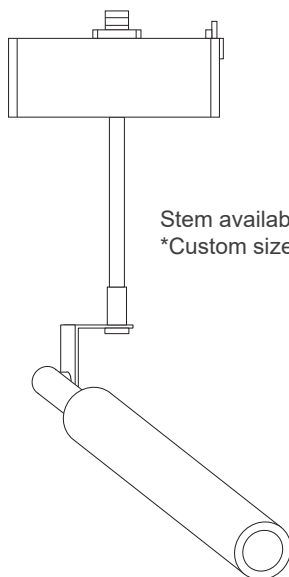
UV365** = 365 NM UV black light
UV390** = 390 NM UV black light
Blue* = 465 - 485 NM wavelength
Green* = 520 - 535 NM wavelength
Amber* = 585 - 595NM wavelength
Red* = 620 - 630 NM wavelength

*1050 mA or less

**700 mA or less

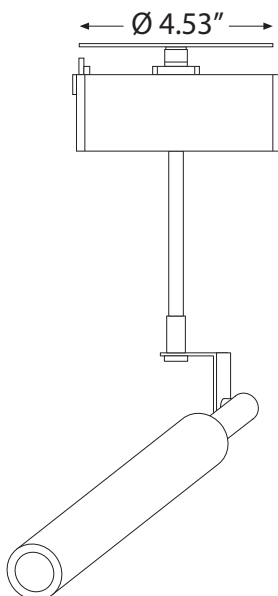
Project Name:		Type:	
Catalog Number:		Date:	

Stem Option

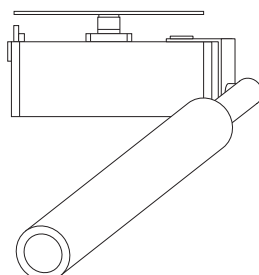


Stem available in 6", 12", & 18"
 *Custom sizes available upon request.

Stem & 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

Clarté Lighting

SDT-839-PAR8

Low Profile

Photometrics

Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output

300 Milliamps - 500 Lumens		700 Milliamps	
5W	ON/OFF 0-10V 1% Dimming ED	10W	Red - Up to 150 Lumens Green - Up to 150 Lumens Blue - Up to 150 Lumens White - Up to 300 Lumens
7W	MLV <1% Dimming		
525 Milliamps - 900 Lumens		700 Milliamps - 1150 Lumens	
11W	ON/OFF 0-10V 1% Dimming ED	15W	ON/OFF 0-10V 1% Dimming 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.

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 - 525mA - 670 lm

Narrow Flood 26°

2'	699 fc	0.9'
4'	175 fc	1.9'
6'	78 fc	2.8'
8'	44 fc	3.7'
10'	28 fc	4.7'
12'	20 fc	5.6'

15W PAR8 - 700mA - 893 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 - 525mA - 907 lm

Flood 40°

2'	503 fc	1.5'
4'	127 fc	2.9'
6'	57 fc	4.4'
8'	32 fc	5.9'
10'	20 fc	7.4'
12'	14 fc	8.8'

15W PAR8 - 700mA - 1209 lm

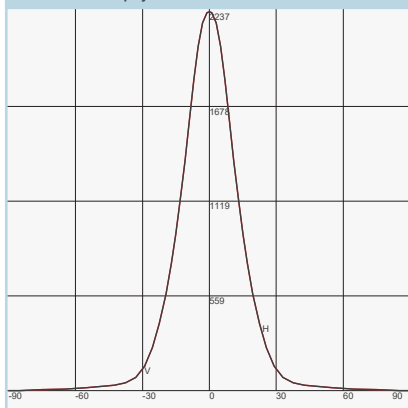
Zonal Flux and Percentages

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

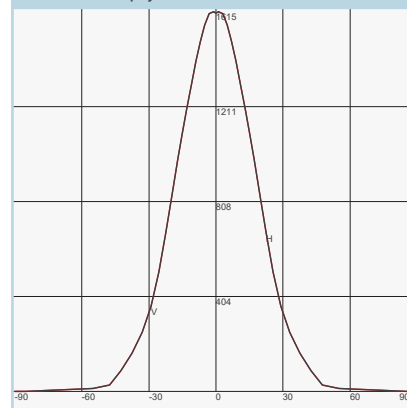
Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5

Axial Candela Display



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

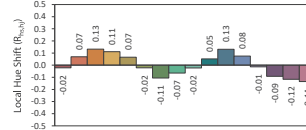
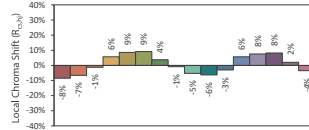
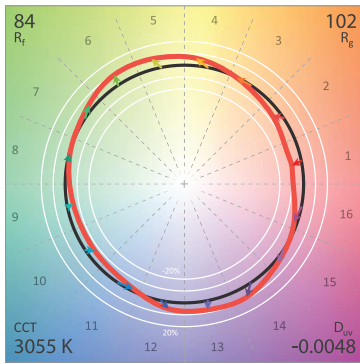
Axial Candela Display



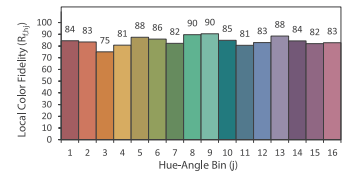
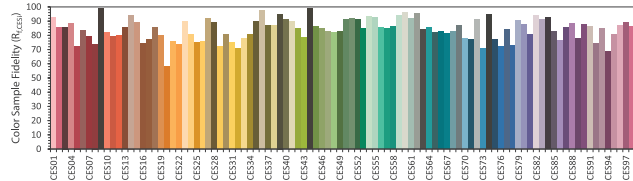
Maximum Candela = 1615 - Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

Project Name:		Type:	
Catalog Number:		Date:	

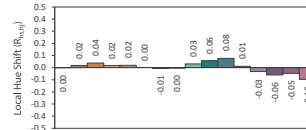
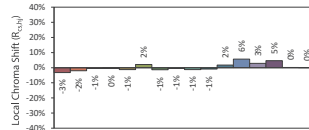
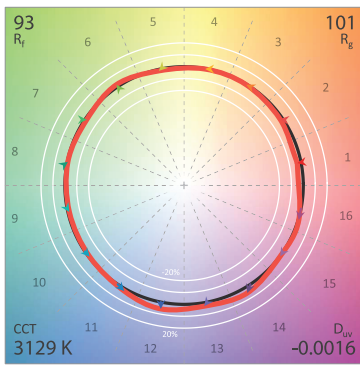
Clarté Lighting 3000K 80+ CRI Color Metrics



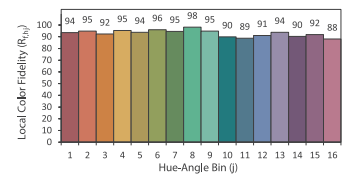
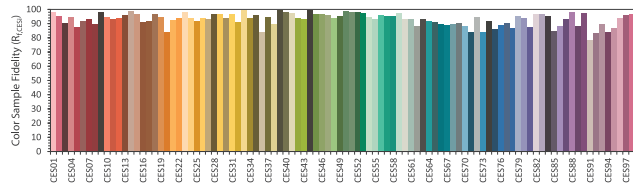
CIE 13.3-1995
 (CRI)
 R_a 86
 R_g 29



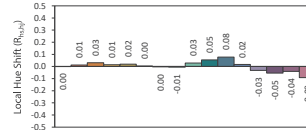
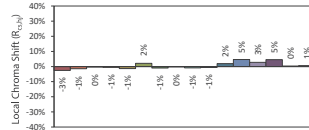
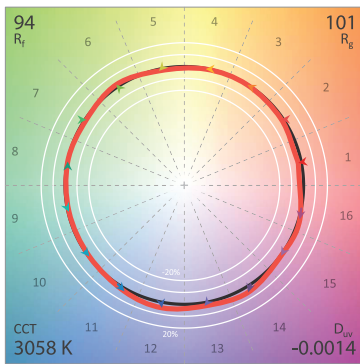
Clarté Lighting 3000K 90+ CRI Color Metrics



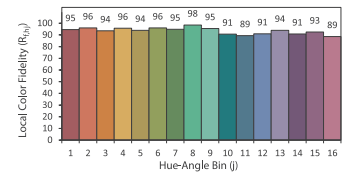
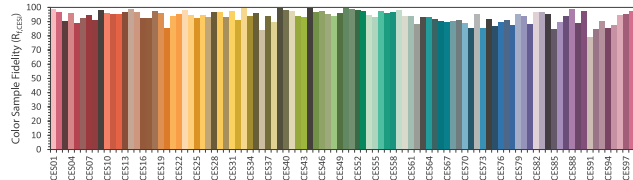
CIE 13.3-1995
 (CRI)
 R_a 95
 R_g 74



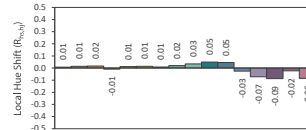
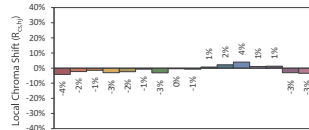
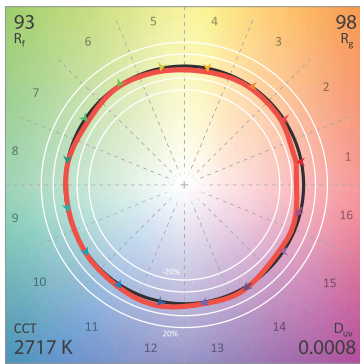
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



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

