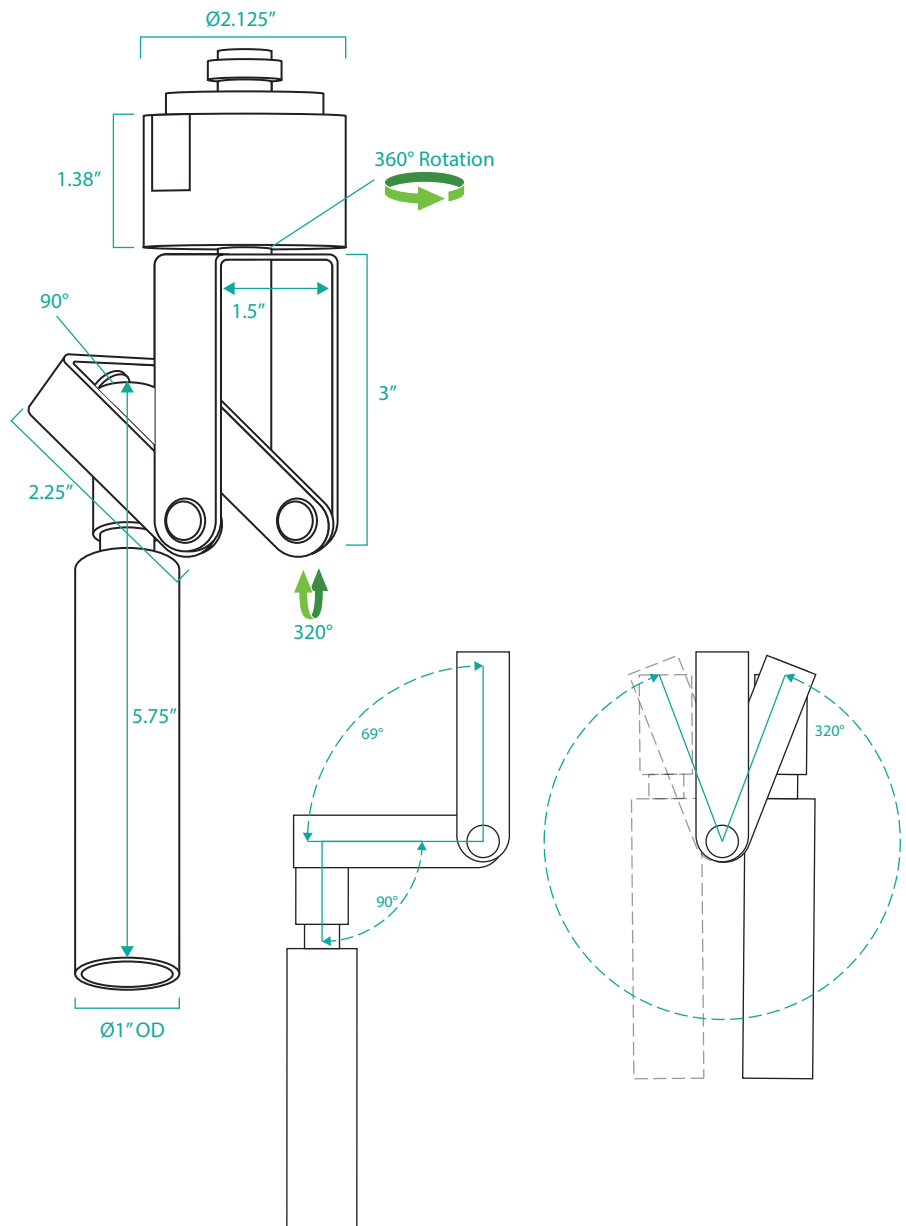


Project Name:		Type:	
Catalog Number:		Date:	

**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 = 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: 09/21/2026

Clarté Lighting

SDT-835-PAR8-OA

Vertical Round Off-Axis Track

Ordering

Project Name:		Type:	
Catalog Number:		Date:	

SDT-835-

(a) Driver	(b) Wattage	(c) LED

 -PAR8-OA-

(d) Beam	(e) Color	(f) Stem	(g) Length	(h) Adapter	(i) Accessories	(j) Options	(k) Chromaticity

S Surface D Directional T Track

(a) Driver Options

D = MLV 1% Dimming (2 wire)

(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)

(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

(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 DALI2)
AWNPN = Athena Wireless Node Photocell (use with DALI2)

(k) Color Temperature Options

White LED

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)

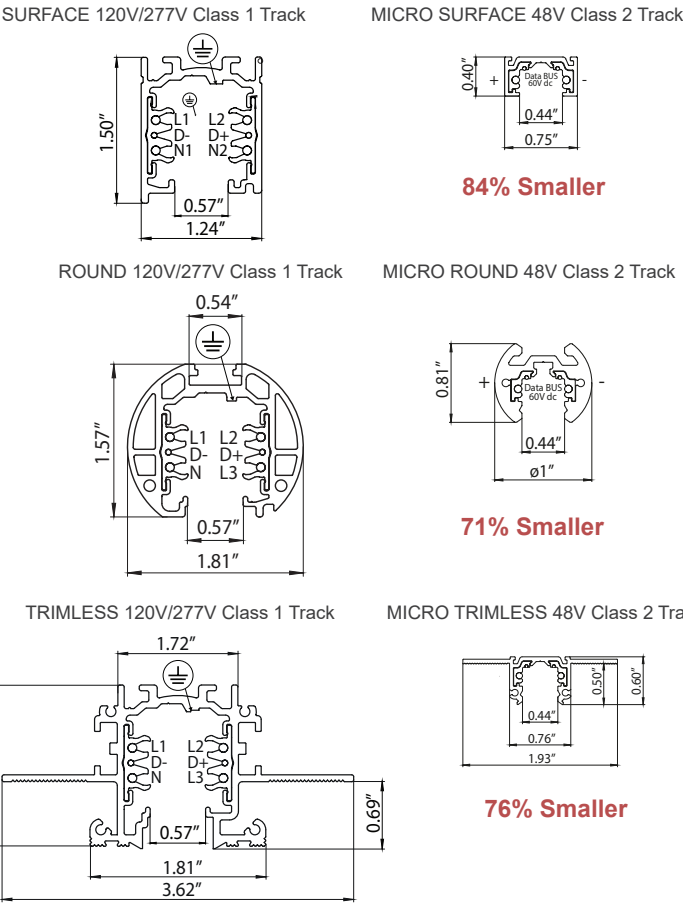
Colored/Themed LED

RGBW3K* = Red, Green, Blue, White
RGBW4K* = Red, Green, Blue, White

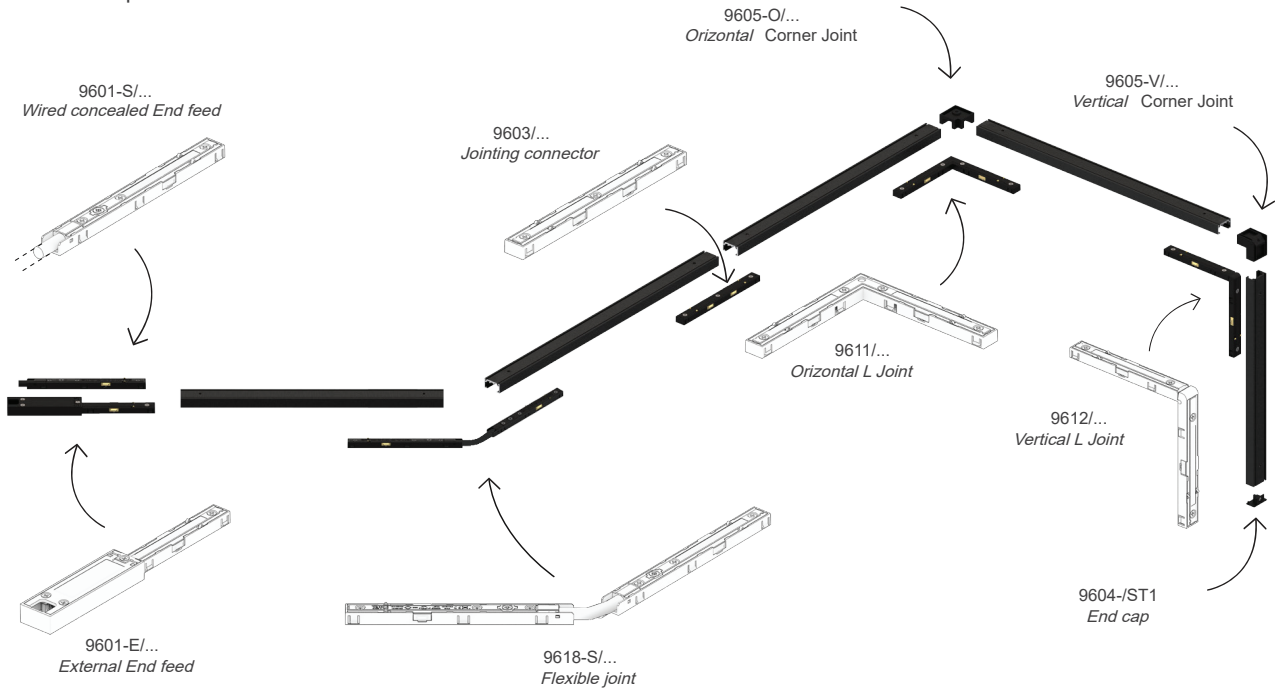
*Must utilize DMX fixture option

Project Name:		Type:	
Catalog Number:		Date:	

Track Size Comparison



Track Composition Example

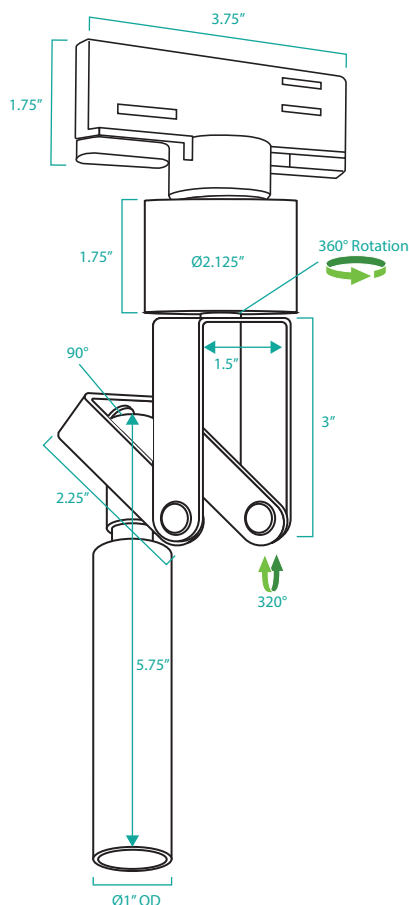


Clarté Lighting
SDT-835-PAR8-OA
 Vertical Round Off-Axis Track

Specifications

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

Clarté Lighting

SDT-835-PAR8-OA

Vertical Round Off-Axis Track

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

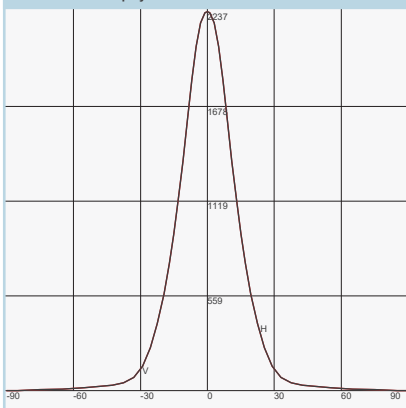
Zonal Flux and Percentages

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

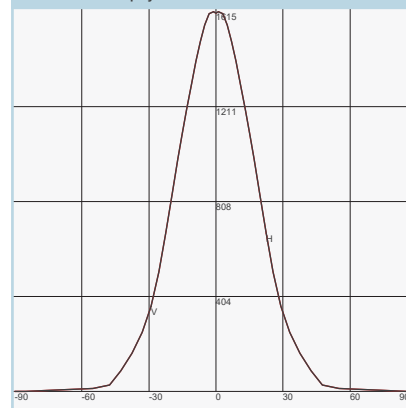
Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5

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

Clarté Lighting

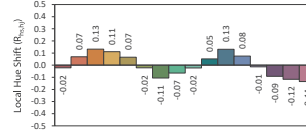
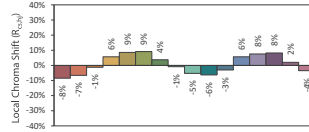
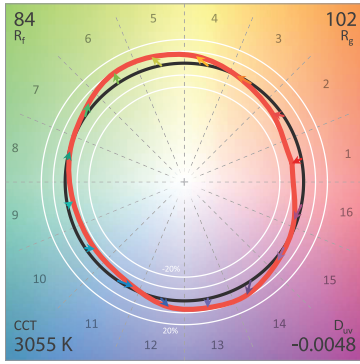
SDT-835-PAR8-OA

Vertical Round Off-Axis Track

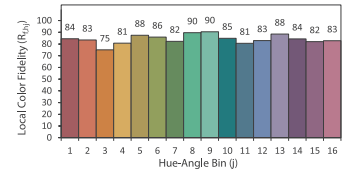
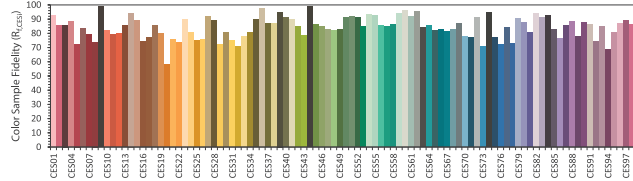
TM-30-18 Color Metrics

Project Name:		Type:	
Catalog Number:		Date:	

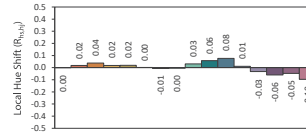
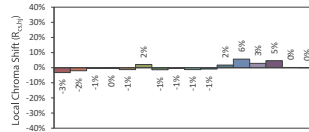
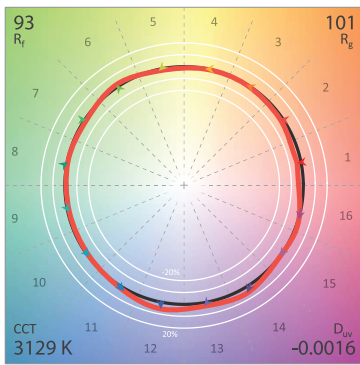
Clarté Lighting 3000K 80+ CRI Color Metrics



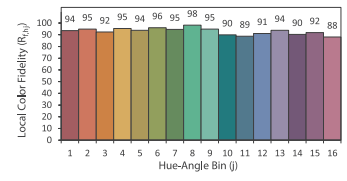
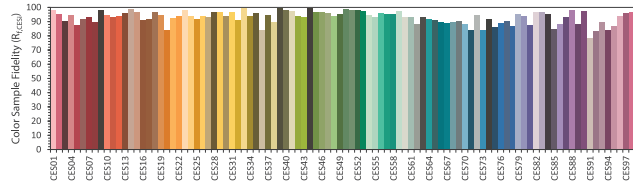
CIE 13.3-1995
(CRI)
R_a 86
R_g 29



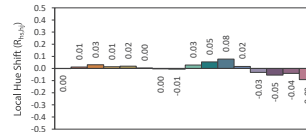
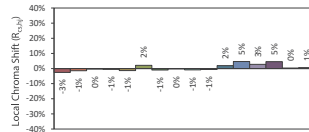
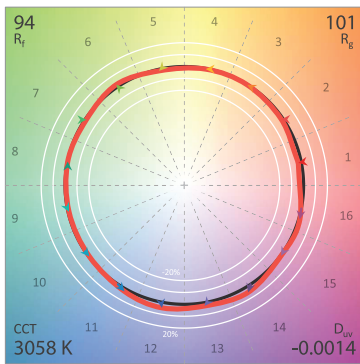
Clarté Lighting 3000K 90+ CRI Color Metrics



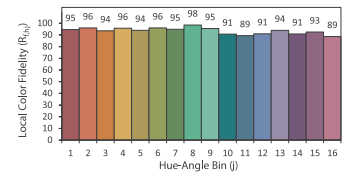
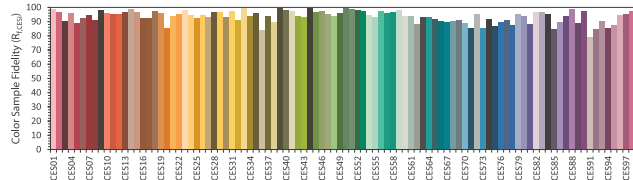
CIE 13.3-1995
(CRI)
R_a 95
R_g 74



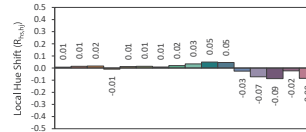
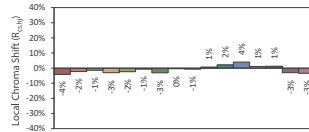
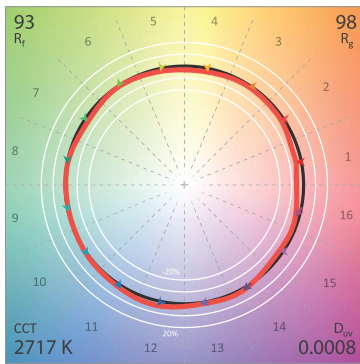
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



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

