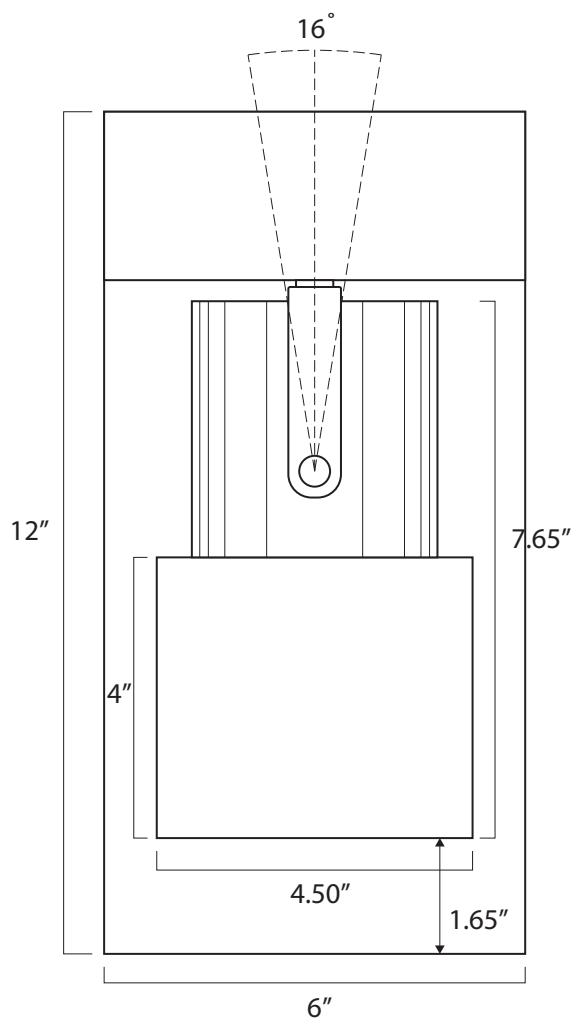


Project Name:		Type:	
Catalog Number:		Date:	

**Key Features**

- 6" OD
- Up to 4 accessories
- Remote transformer option
- Over 10,000+ fixture custom color finish options
- 100,000+ hr L70 life

LED Source Details

CREE XPL2 LED maximum rating 3,000 mA

- Fixture operating milliamps = 1,500 mA
- Fixture Wattage Range = 64W to 68W
- Fixture Delivered Lumens = 4,500 lumens

Patent Pending

Last revised: 02/11/2025

Clarté Lighting

SR6-642-PAR38-ADJ

6" Adjustable Surface Mounted Cylinder

Ordering

Project Name:		Type:	
Catalog Number:		Date:	

(a) Driver (b) Wattage (c) LED (d) Beam (e) Snoot (f) Reflector (g) Accessories (h) Options (i) Chromaticity
 SR6-642- [] [] [] -PAR38-ADJ- [] [] [] [] [] []
 Surface Round 6 Inch

(a) Driver Options

E = ON/OFF (Electronic)
 D = MLV 1% Dimming (2 wire)
 0-10V1 = 0-10V 1% Dimming (4 wire)
 RDM DMX = 8 Bit or 16 Bit, 4 Channel (2 wire with CAT5)

(b) Wattage Options

64W = 1500 milliamps/4500 lumens, ON/OFF, 0-10V or RDM DMX
 68W = 1200 milliamps/3600 lumens, MLV
 72W = 600 milliamps/3000 lumens, RDM DMX RGBW

(c) Lamp Type Options

XLED = Cree XPL2 LED @ All Wattages

(d) Beam Options

NSP = Narrow Spot NFL = Narrow Flood
 SP = Spot FL = Flood

(e) Snoot Color Options

BLKS = Black Snoot
 WHTS = White Snoot
 PWT = Pewter Snoot
 Select Custom Color (Review Website for Over 3,300 Color Options)

(f) Reflector Color Options

BLK = Black Reflector
 WHT = White Reflector
 SA = Satin Aluminum Reflector

(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 - 150K warmer. 2700k to 2550K
 DH = Dimmed Halogen - 300K warmer. 2700k to 2400K

(h) Options

EMG = 90min Emergency Back-Up Battery
 80+ = CRI over 80
 90+ = CRI over 90

(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

UV275** = 275 NM UV virus sterilizer
 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
 RGBW3K**** = Red, Green, Blue, White
 RGBW4K**** = Red, Green, Blue, White

*1050 mA or less

**500 mA

***700 mA

****Must utilize DMX @ 700 mA

SR6-642-PAR38-ADJ

6" Adjustable Surface Mounted Cylinder

Project Name:		Type:	
Catalog Number:		Date:	

Housing

- 100% aluminum construction

Electrical

- Optional - 12V AC remote class 2
- 100V, 120V, 230V, 277V or 347V

LED

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

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

Optics

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

Installation

- IPS Nipple - Unistrut (Not provided)

Certification

- UL Damp Listed – IP 52

Warranty

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

Wattage & Lumen Output	
1400 Milliamps - 5000 Lumens	
68W	ON/OFF
	0-10V 1% Dimming
	DMX Dimming

3 Step CREE XPL2 LED	
<u>Kelvin-CRI</u>	<u>Multiplier</u>
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	

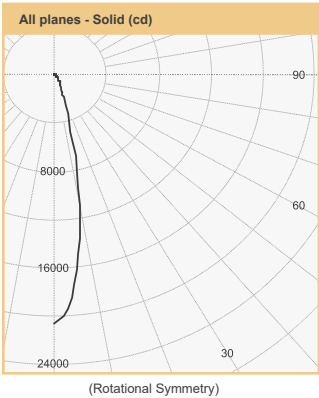
RGBW V2 Light Output Luminous Flux Clarté Lighting offers 100% of fixtures in optional RGBW3K or RGBW4K			
	Line Voltage	ABS Light	700 mA
	600 mA	700 mA	
	RGBW3K	RGBW3K	White 3K
Red	1728	1920	
Green	3348	3720	
Blue	497	552	
White	2808	3120	
Total	8381	9312	3377
*RGBW Fixtures are designed to not operate 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 21°		
2'	5,157 fc	0.7'
4'	1,289 fc	1.5'
6'	573 fc	2.2'
8'	322 fc	3.0'
10'	206 fc	3.7'
12'	143 fc	4.4'



67W PAR38 - 4,266 lm

Zonal Flux and Percentages		
Zone	Flux (lm)	%Luminaire
0-30	3369	79.0
0-40	3739	87.7
0-60	4197	98.4
0-90	4266	100.0
40-90	527	12.3
60-90	69	1.6
90-180	0	0.0
0-180	4266	100.0



Intensity Summary (cd)		
Gamma	All Planes	Flux (lm)
0	20628	1451
5	17468	
10	10916	
15	4848	
20	1966	1396
25	1066	
30	764	
35	582	
40	476	370
45	381	
50	291	
55	177	
60	103	295
65	73	
70	14	
75	3	
80	1	4
85	0	
90	0	

Clarté Lighting

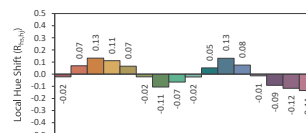
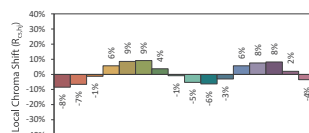
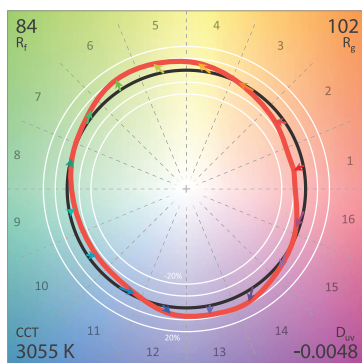
SR6-642-PAR38-ADJ

6" Adjustable Surface Mounted Cylinder

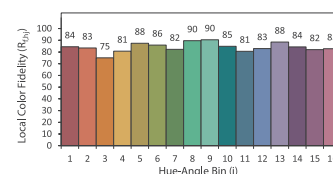
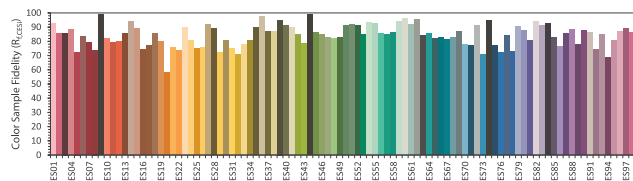
TM-30-18 Color Metrics

Project Name:		Type:	
Catalog Number:		Date:	

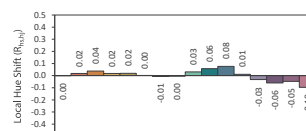
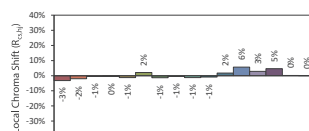
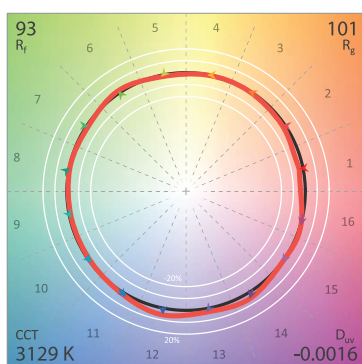
Clarté Lighting 3000K 80+ CRI Color Metrics



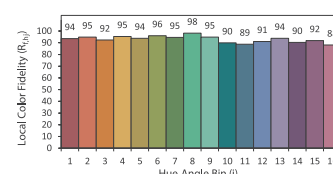
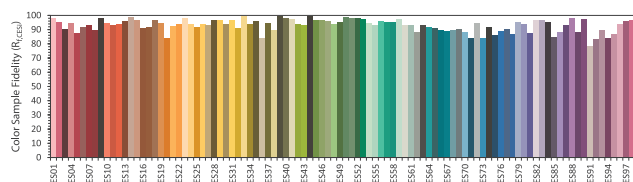
CIE 13.3-1995
(CRI)
R_a 86
R_g 29



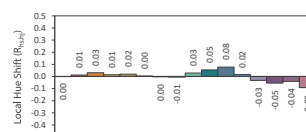
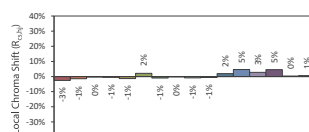
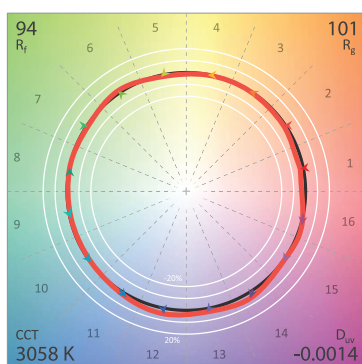
Clarté Lighting 3000K 90+ CRI Color Metrics



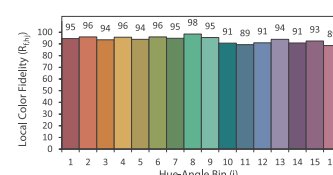
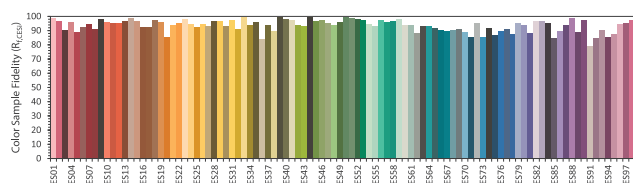
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R_a 95
R_g 74



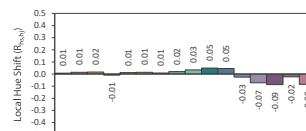
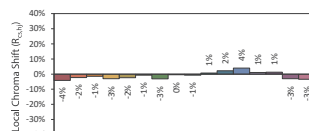
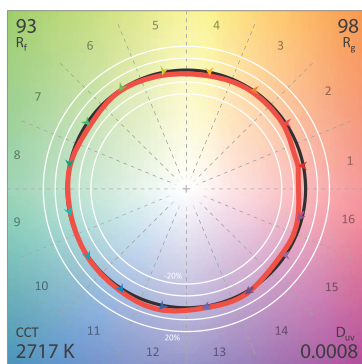
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



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

