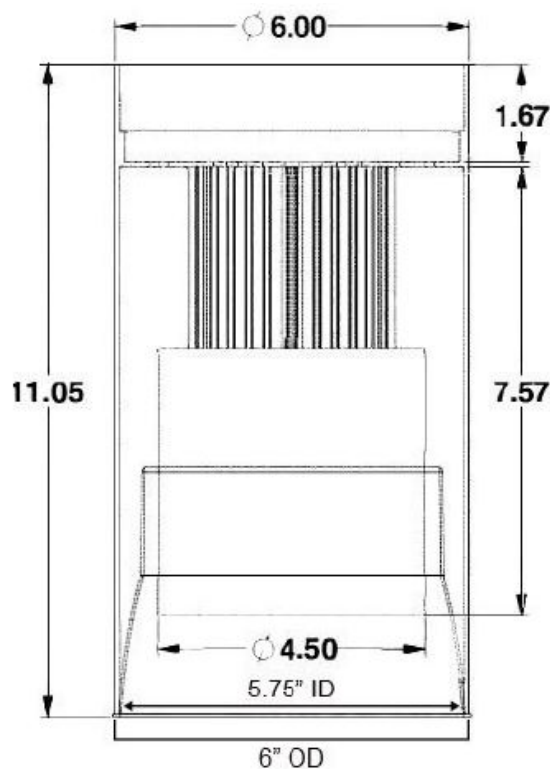


Clarté Lighting
SR6-642-PAR38
 6" Surface Mounted Cylinder

Features

Project Name:		Type:	
Catalog Number:		Date:	



Key Features

- 6" OD
- Up to 4 accessories
- Remote transformer option
- Over 6,500 Color Options Available
- 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 = 5,419 lumens

Patent Pending

Last revised: 09/21/2026



© Clarté Lighting - All Rights Reserved. Specifications Subject to Change Without Notice.
 750 W Golden Grove Way, Covina, CA 91702 / t: (626) 261-4242 / f: (626) 598-3750 / clartelighting.com

Clarté Lighting

SR6-642-PAR38

6" 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- [] [] [] [] [] []
 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

48W (1050 milliamps/3600 lumens) = MLV
 55W (1400 milliamps/5419 lumens) = ON/OFF, 0-10V or RDM DMX
 70W (500mA per LED - 4950 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 = Specular 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)

*1050 mA or less

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

**700 mA

***Must utilize DMX @ 700 mA

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

- 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)

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

Clarté Lighting

SR6-642-PAR38

6" Surface Mounted Cylinder

Photometrics

Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output

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

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

	Line Voltage 600 mA RGBW3K	ABS Light 700 mA RGBW3K	700 mA 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.

Spot 18°

2'	8,569 fc	0.7'
4'	2,142 fc	1.3'
6'	952 fc	2.0'
8'	536 fc	2.6'
10'	343 fc	3.3'
12'	288 fc	3.9'

55W PAR38 - 5,419 lm

Narrow Flood 24°

2'	4,118 fc	0.9'
4'	1,030 fc	1.7'
6'	458 fc	2.6'
8'	257 fc	3.4'
10'	165 fc	4.3'
12'	114 fc	5.2'

55W PAR38 - 5,014 lm

Wide Flood 36°

2'	1,646 fc	1.3'
4'	412 fc	2.6'
6'	183 fc	3.9'
8'	103 fc	5.2'
10'	66 fc	6.5'
12'	46 fc	7.8'

55W PAR38 - 4,134 lm

Zonal Lumen Summary

Zone	Flux (lm)	%Fixt
0-20	4216	77.8
0-30	4800	88.6
0-40	5000	92.3
0-60	5281	97.5
0-90	5418	100.0
40-70	370	6.8
60-80	126	2.3
90-180	0	0.0
0-180	5410	100.0

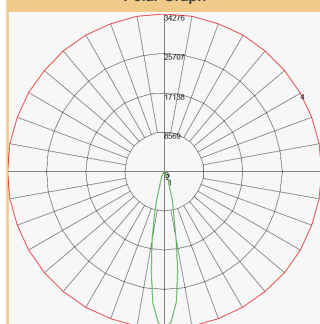
Zonal Lumen Summary

Zone	Flux (lm)	%Fixt
0-20	2926	58.4
0-30	3818	76.2
0-40	4279	85.3
0-60	4804	95.8
0-90	5014	100.0
40-70	659	13.1
60-80	192	3.8
90-180	0	0.0
0-180	5014	100.0

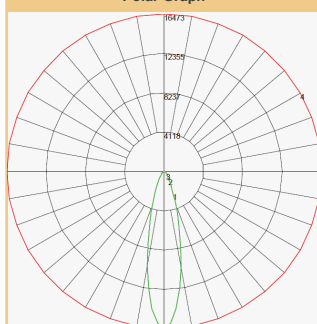
Zonal Lumen Summary

Zone	Flux (lm)	%Fixt
0-20	1658	40.1
0-30	2607	63.1
0-40	3254	78.7
0-60	3893	94.2
0-90	4134	100.0
40-70	792	19.2
60-80	222	5.4
90-180	0	0.0
0-180	4134	100.0

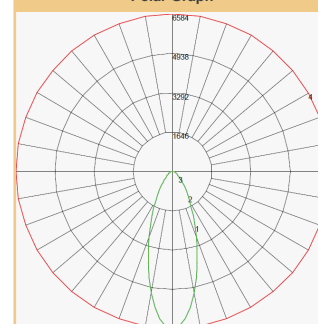
Polar Graph



Polar Graph



Polar Graph



Clarté Lighting

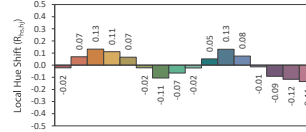
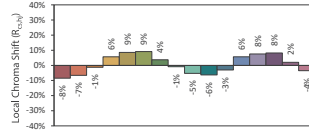
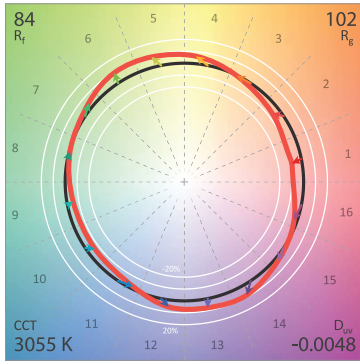
SR6-642-PAR38

6" Surface Mounted Cylinder

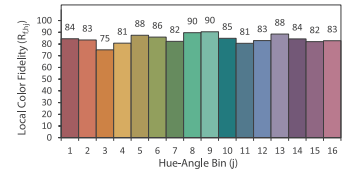
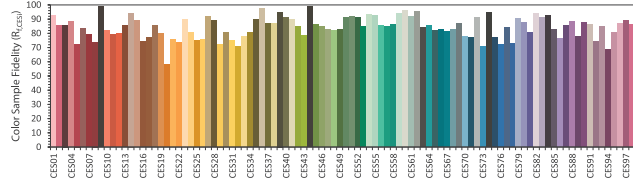
TM-30-18 Color Metrics

Project Name:		Type:	
Catalog Number:		Date:	

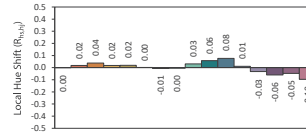
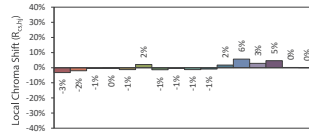
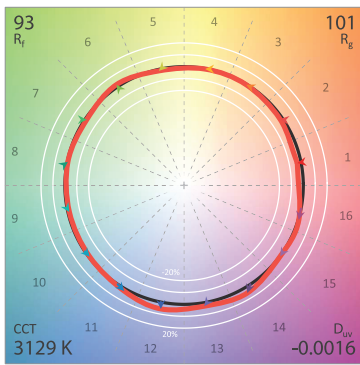
Clarté Lighting 3000K 80+ CRI Color Metrics



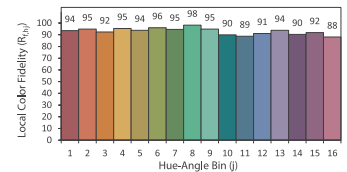
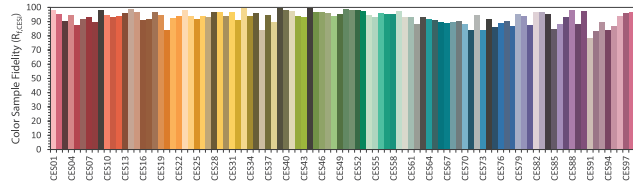
CIE 13.3-1995
(CRI)
 R_a 86
 R_g 29



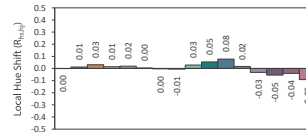
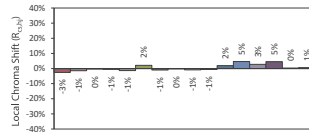
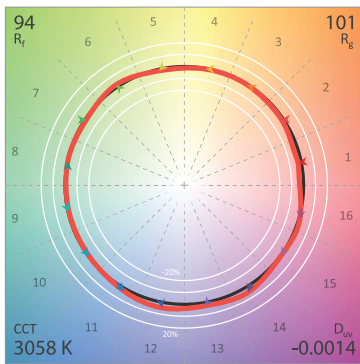
Clarté Lighting 3000K 90+ CRI Color Metrics



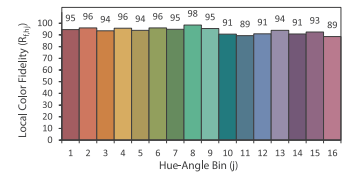
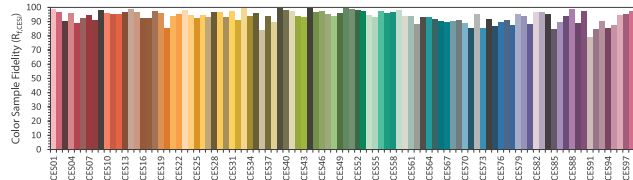
CIE 13.3-1995
(CRI)
 R_a 95
 R_g 74



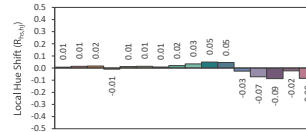
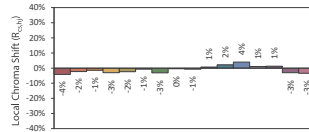
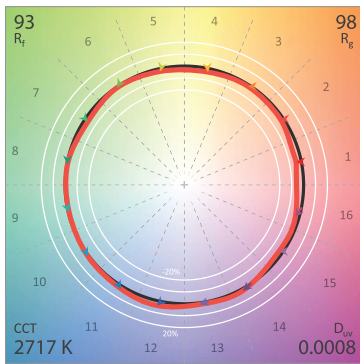
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



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

