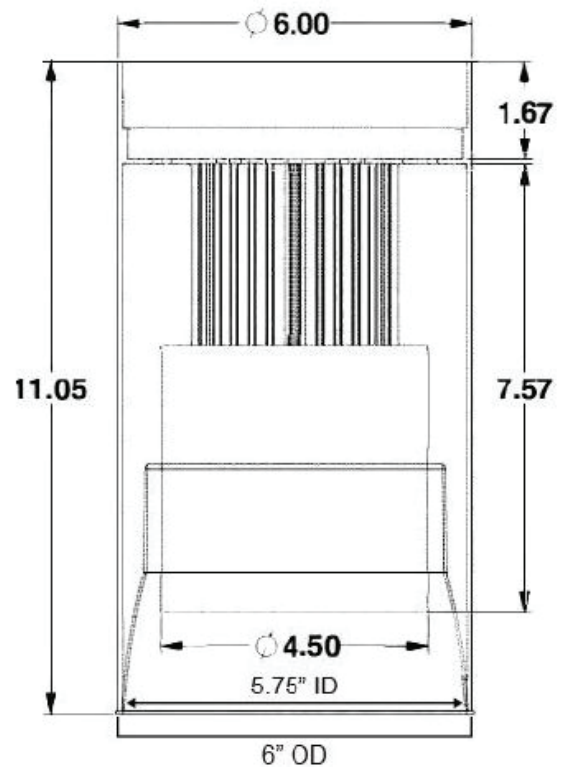
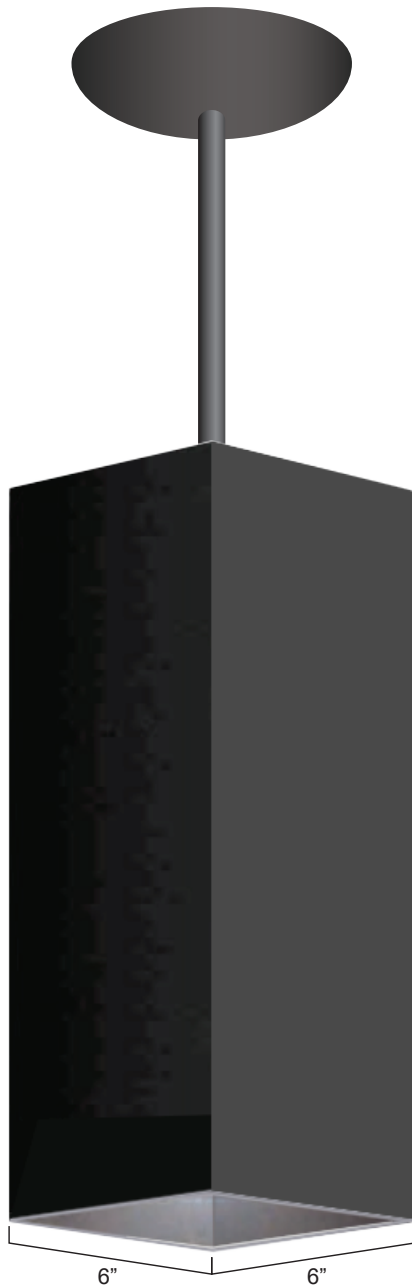


**SS6-643-PAR38-PND**

6" Stem Mounted Cuboid

|                 |  |       |  |
|-----------------|--|-------|--|
| 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

Last revised: 03/17/2025

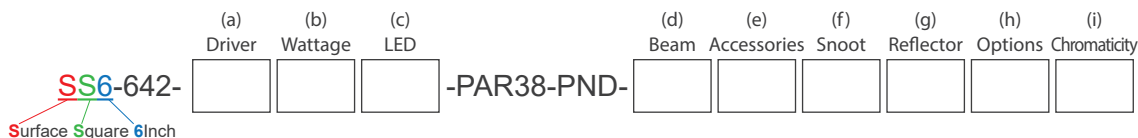
# Clarté Lighting

## SS6-643-PAR38-PND

### 6" Stem Mounted Cuboid

Ordering

|                 |  |       |  |
|-----------------|--|-------|--|
| Project Name:   |  | Type: |  |
| Catalog Number: |  | Date: |  |



#### (a) Driver Options

E = ON/OFF (Electronic)  
D = MLV 1% Dimming (2 wire)  
0-10V1 = 0-10V 1% Dimming (4 wire)  
DMXRMT = Remote DMX Driver  
DMXINL = Inline DMX Driver

#### (b) Wattage Options

64W = 1500 milliamps/4500 lumens, ON/OFF, 0-10V, RDM DMX, or MLV  
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) Optical and Accessory Options

##### Up to 4 Accessories - Toolless Field Changeable

|     |                                                                                                                     |                                                                                     |
|-----|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 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 - 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                                                                      |                                                                                     |

#### (f) Snoot Color Options

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

#### (g) Reflector Color Options

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

#### (h) 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"

#### (i) Options

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

#### (j) 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

# SS6-643-PAR38-PND

6" Stem Mounted Cuboid

|                 |  |       |  |
|-----------------|--|-------|--|
| 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 |            |
|----------------------|------------|
| 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         |            |

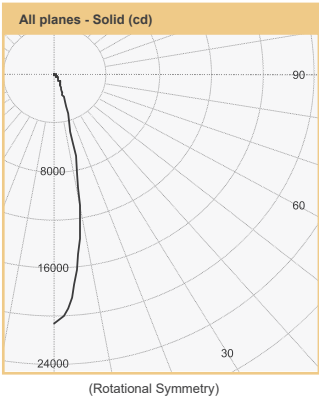
| RGBW V2 Light Output Luminous Flux Clarté Lighting offers 100% of fixtures in optional RGBW3K or RGBW4K                                                                                                             |                                  |                               |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------|--------------------|
|                                                                                                                                                                                                                     | Line Voltage<br>600 mA<br>RGBW3K | ABS Light<br>700 mA<br>RGBW3K | 700 mA<br>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      |           |
| 5                      | 17468      | 1451      |
| 10                     | 10916      |           |
| 15                     | 4848       | 1396      |
| 20                     | 1966       |           |
| 25                     | 1066       | 522       |
| 30                     | 764        |           |
| 35                     | 582        | 370       |
| 40                     | 476        |           |
| 45                     | 381        | 295       |
| 50                     | 291        |           |
| 55                     | 177        | 163       |
| 60                     | 103        |           |
| 65                     | 73         | 65        |
| 70                     | 14         |           |
| 75                     | 3          | 4         |
| 80                     | 1          |           |
| 85                     | 0          | 1         |
| 90                     | 0          |           |

# Clarté Lighting

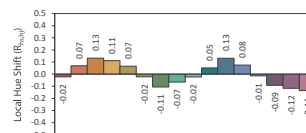
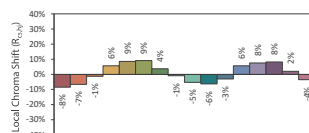
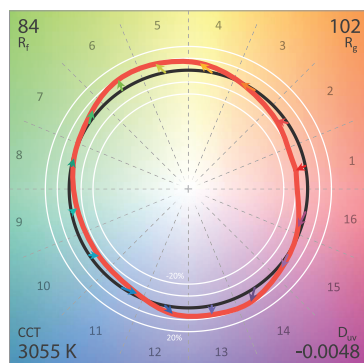
## SS6-643-PAR38-PND

### 6" Stem Mounted Cuboid

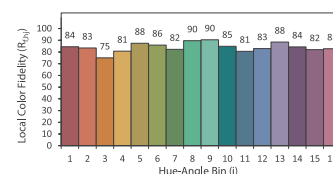
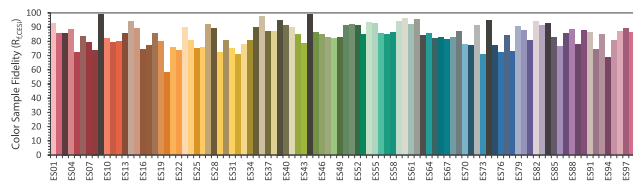
TM-30-18 Color Metrics

|                 |  |       |  |
|-----------------|--|-------|--|
| Project Name:   |  | Type: |  |
| Catalog Number: |  | Date: |  |

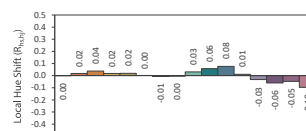
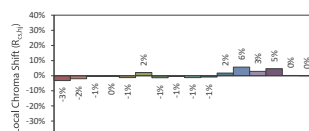
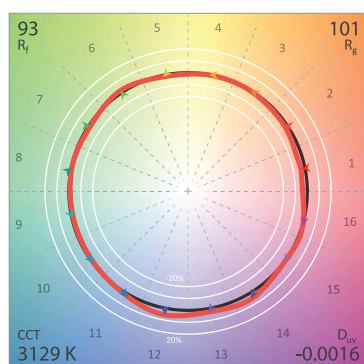
#### Clarté Lighting 3000K 80+ CRI Color Metrics



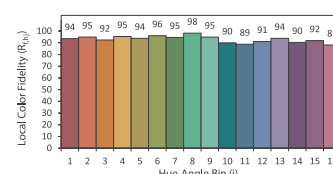
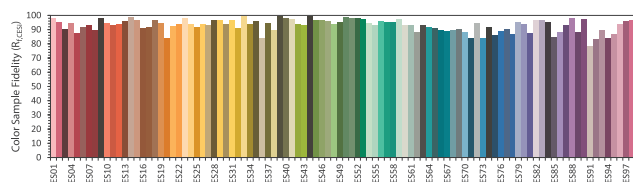
CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 86  
R<sub>g</sub> 29



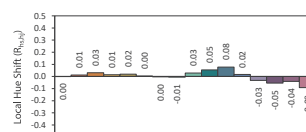
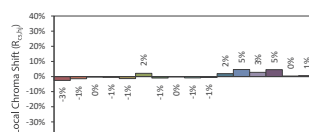
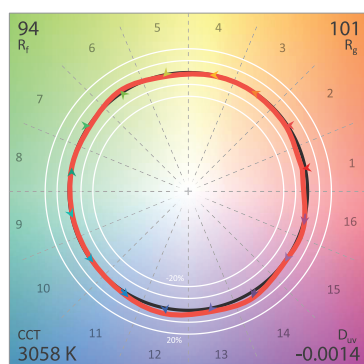
#### Clarté Lighting 3000K 90+ CRI Color Metrics



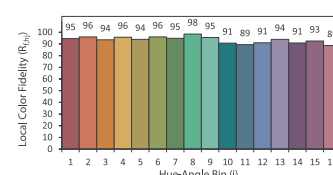
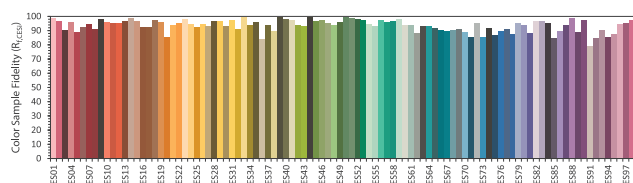
CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 95  
R<sub>g</sub> 74



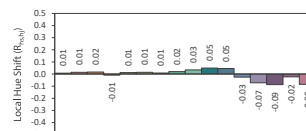
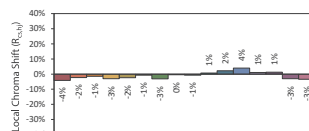
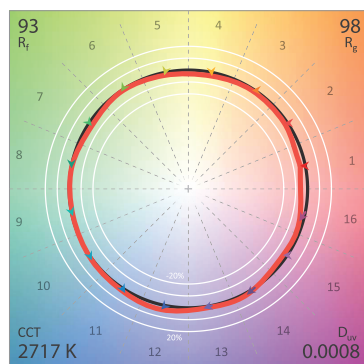
#### Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 96  
R<sub>g</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>g</sub> 64

