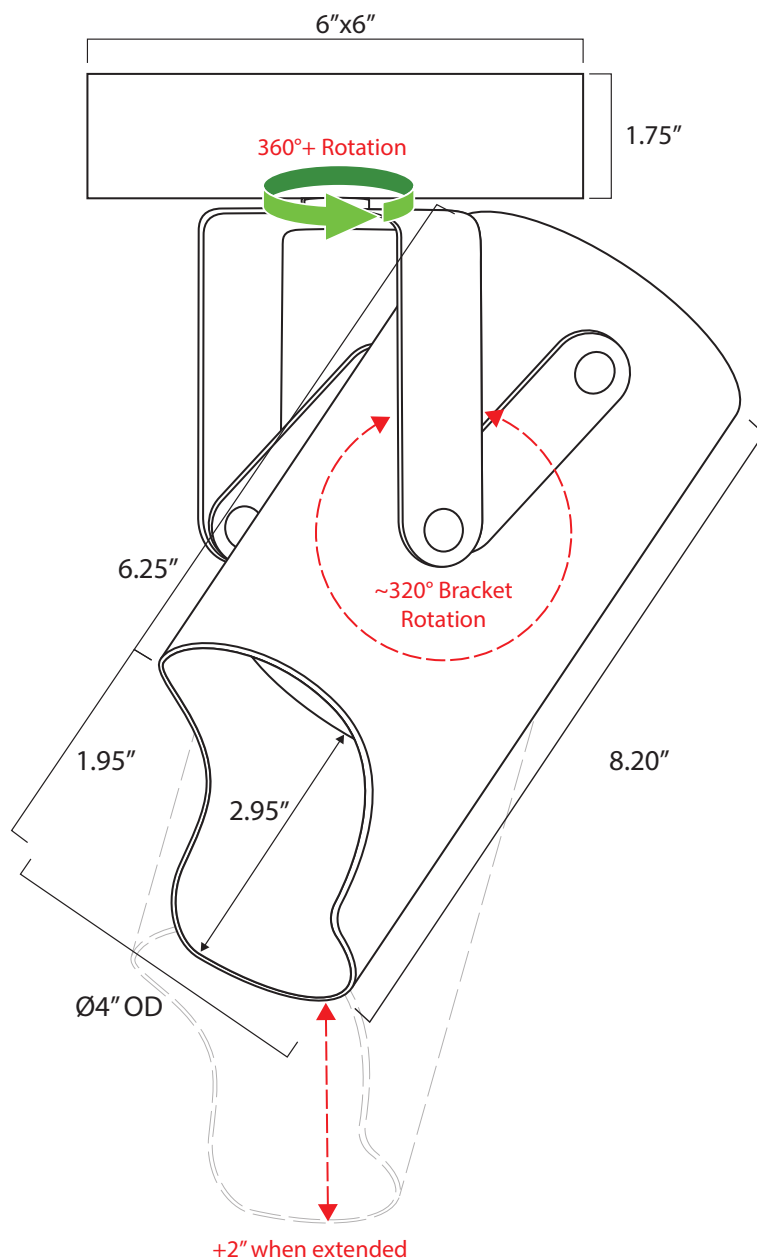


|                 |  |       |  |
|-----------------|--|-------|--|
| Project Name:   |  | Type: |  |
| Catalog Number: |  | Date: |  |

**Key Features**

- 4" OD
- Up to 4 Accessories
- Remote Transformer Option
- Over 6,500 Color Options Available
- 100,000+ hr L70 Life
- See Page 3 for additional options

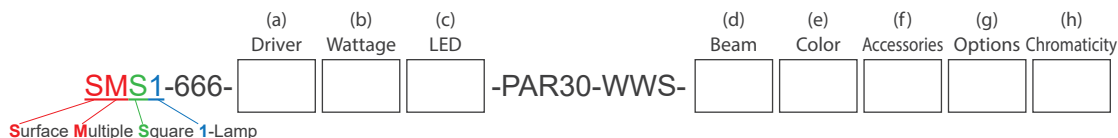
**LED Source Details**

CREE XML2 LED Maximum Rating 3,000 mA

- Fixture Operating Milliamps = 700 mA – 1,400 mA
- Operating 23% to 47% of Rated Value
- Fixture Delivered Lumens = 3,870 lumens

Last revised: 09/14/2026

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

**(a) Driver Options**

|         |                                                                   |
|---------|-------------------------------------------------------------------|
| D       | = .01% Magnetic Low Voltage Dimming (2 wire)                      |
| E       | = ON/OFF (Electronic)                                             |
| 12V AC  | = .01% PWM AC dimming (2 wire) remote magnetic 12V AC transformer |
| 24V DC  | = .01% PWM DC dimming (2 wire) 24V DC power supply                |
| ED      | = 1% Electronic Reverse Phase Dimming (2 wire)                    |
| 0-10V1  | = 1% 0-10V Dimming (4 wire)                                       |
| DALI2   | = .01% Digital Addressable Lighting Interface V2                  |
| RDM DMX | = .001% 16 Bit, 4-Channel Dimming (2 wire with CAT5)              |
| ABS     | = Absolute Light .001% Dimming (use with RGBW)                    |
| ABSX    | = DMX Absolute Light .001% RGBW dimming                           |

**(b) Wattage Options**

|                                   |                    |
|-----------------------------------|--------------------|
| 21W (700mA - 1890 lumens)         | = ON/OFF, 0-10V 1% |
| 33W (850mA - 1890 lumens)         | = MLV <1% Dimming  |
| 33W (1100mA - 1890 lumens)        | = ON/OFF, 0-10V 1% |
| 38W (1050mA - 3420 lumens)        | = MLV <1% Dimming  |
| 41W (1400mA - 3690 lumens)        | = DMX White        |
| 43W (1400mA - 3870 lumens)        | = ON/OFF, 0-10V 1% |
| 54W (700mA - 4860 lumens)         | = Absolute Light   |
| 55W (500mA per LED - 4950 lumens) | = DMX RGBW         |

**(c) Lamp Type Options**

|      |                                |
|------|--------------------------------|
| XLED | = Cree XPL2 LED @ All Wattages |
|------|--------------------------------|

**(d) Beam Options**

|     |                    |    |            |
|-----|--------------------|----|------------|
| NSP | = Narrow Spot 12°  | SP | = Spot 19° |
| NFL | = Narrow Flood 22° | FL | = Flood    |

**(e) Fixture Color Options**

|     |          |     |                |
|-----|----------|-----|----------------|
| BLK | = Black  | WHT | = White        |
| PWT | = Pewter | CC* | = Custom Color |

\*Custom Color (Review Website for Over 6,500 Color Options)

**(f) 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                                                                                  |                                                                                     |

**(g) Options**

|      |                                                   |
|------|---------------------------------------------------|
| 120V | = 120VAC 60Hz (Standard)                          |
| 230V | = 230VAC 50Hz                                     |
| 277V | = 277VAC 60Hz                                     |
| SCM1 | = Side Conduit Mount In (3/4" In)                 |
| SCM2 | = Side Conduit Mount In and Out (3/4" In and Out) |
| 80+  | = CRI over 80                                     |
| 90+  | = CRI over 90                                     |
| BD   | = Barn Doors                                      |
| ES   | = Extended Snoot 1" Extension, 2" Regress         |

**(h) 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 |
| Photo Red*** | = 650 - 670 NM wavelength |
| RGBW3K***    | = Red, Green, Blue, White |
| RGBW4K***    | = Red, Green, Blue, White |

\*1050 mA or less

\*\*700 mA

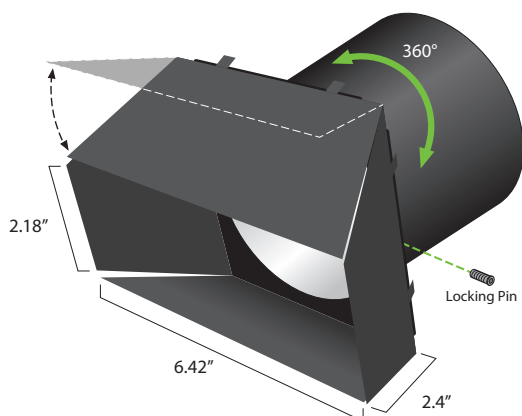
\*\*\*Must utilize DMX @ 600 mA

**SMS1-666-PAR30-WWS**

Surface Low Profile Wall Wash Scoop

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

## Hinged Barn Doors

**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
- 12V AC – (2 wire) remote magnetic 12V AC transformer
- 24V DC – (2 wire) 24V DC power supply
- ED – 1% Electronic Reverse Phase Dimming (2 wire)
- 0-10V1 – 1% 0-10V Dimming (4 wire)
- DALI2 – .01% Digital Addressable Lighting Interface V2
- RDM DMX – .001% 16 Bit, 4-Channel Dimming (2 wire with CAT5)
- ABS – Absolute Light .001% Dimming (use with RGBW)
- ABSX – DMX Absolute Light .001% RGBW dimming

**Optics**

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

**Installation Details**

- J-Box with 2-Part Fixture Housing
- Back Box with LED Driver - Mount to J-Box with Reducer Ring
- Optical Assembly - Slide on Over Back Box Affixed by 2 Side-Set Screws

**Certification**

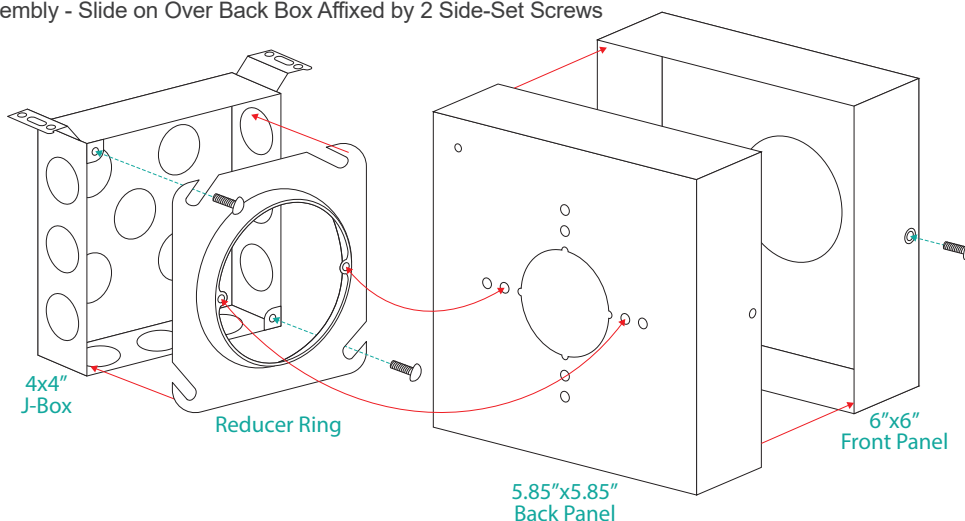
- UL Damp Listed – IP 52

**Warranty**

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

**Installation Details**

- Back Box with LED Driver - Mount to J-Box with Reducer Ring
- Optical Assembly - Slide on Over Back Box Affixed by 2 Side-Set Screws



# SMS1-666-PAR30-WWS

Surface Low Profile Wall Wash Scoop

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

## Wattage & Lumen Output

### 700 Milliamps - 1800 Lumens

22W

### 1000 Milliamps - 2500 Lumens

33W

### 1200 Milliamps - 3100 Lumens

42W

### 1400 Milliamps - 3400 Lumens

46W

## 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          | 1296                             | 1440                          |                    |
| Green        | 2511                             | 2790                          |                    |
| Blue         | 372                              | 414                           |                    |
| White        | 2106                             | 2340                          |                    |
| <b>Total</b> | <b>6285</b>                      | <b>6984</b>                   | <b>2533</b>        |

\*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 Spot 12°

|     |           |      |
|-----|-----------|------|
| 2'  | 11,097 fc | 0.4' |
| 4'  | 2,774 fc  | 0.9' |
| 6'  | 1,233 fc  | 1.3' |
| 8'  | 694 fc    | 1.7' |
| 10' | 444 fc    | 2.1' |
| 12' | 308 fc    | 2.6' |

46W PAR30 - 3,372 lm

## Spot 19°

|     |          |      |
|-----|----------|------|
| 2'  | 4,301 fc | 0.7' |
| 4'  | 1,075 fc | 1.4' |
| 6'  | 478 fc   | 2.1' |
| 8'  | 269 fc   | 2.8' |
| 10' | 172 fc   | 3.5' |
| 12' | 119 fc   | 4.2' |

46W PAR30 - 3,226 lm

## Narrow Flood 23°

|     |          |      |
|-----|----------|------|
| 2'  | 3,200 fc | 0.8' |
| 4'  | 800 fc   | 1.7' |
| 6'  | 356 fc   | 2.5' |
| 8'  | 200 fc   | 3.3' |
| 10' | 128 fc   | 4.1' |
| 12' | 89 fc    | 5.0' |

46W PAR30 - 3,126 lm

## Flood 32°

|     |          |      |
|-----|----------|------|
| 2'  | 1,613 fc | 1.1' |
| 4'  | 403 fc   | 2.3' |
| 6'  | 179 fc   | 3.4' |
| 8'  | 101 fc   | 4.5' |
| 10' | 65 fc    | 5.7' |
| 12' | 45 fc    | 6.8' |

46W PAR30 - XXXX lm

## Intensity Summary (cd)

| Gamma | All Planes | Flux (lm) |
|-------|------------|-----------|
| 0     | 44389      |           |
| 5     | 27240      | 1963      |
| 10    | 9044       |           |
| 15    | 2798       | 872       |
| 20    | 854        |           |
| 25    | 440        | 214       |
| 30    | 285        |           |
| 35    | 211        | 135       |
| 40    | 172        |           |
| 45    | 133        | 105       |
| 50    | 102        |           |
| 55    | 57         | 56        |
| 60    | 45         |           |
| 65    | 29         | 25        |
| 70    | 3          |           |
| 75    | 1          | 1         |
| 80    | 1          |           |
| 85    | 0          | 0         |
| 90    | 0          |           |

## Intensity Summary (cd)

| Gamma | All Planes | Flux (lm) |
|-------|------------|-----------|
| 0     | 17204      |           |
| 5     | 14400      | 1175      |
| 10    | 8520       |           |
| 15    | 4164       | 1184      |
| 20    | 1951       |           |
| 25    | 921        | 451       |
| 30    | 476        |           |
| 35    | 287        | 188       |
| 40    | 205        |           |
| 45    | 163        | 126       |
| 50    | 125        |           |
| 55    | 68         | 68        |
| 60    | 49         |           |
| 65    | 36         | 32        |
| 70    | 8          |           |
| 75    | 2          | 2         |
| 80    | 1          |           |
| 85    | 0          | 0         |
| 90    | 0          |           |

## Intensity Summary (cd)

| Gamma | All Planes | Flux (lm) |
|-------|------------|-----------|
| 0     | 12801      |           |
| 5     | 11202      | 950       |
| 10    | 7615       |           |
| 15    | 4219       | 1171      |
| 20    | 2068       |           |
| 25    | 1034       | 502       |
| 30    | 575        |           |
| 35    | 356        | 231       |
| 40    | 249        |           |
| 45    | 194        | 149       |
| 50    | 144        |           |
| 55    | 85         | 81        |
| 60    | 59         |           |
| 65    | 42         | 39        |
| 70    | 12         |           |
| 75    | 2          | 3         |
| 80    | 1          |           |
| 85    | 0          | 0         |
| 90    | 0          |           |

## Zonal Flux and Percentages

| Zone   | Flux (lm) | %Luminaire |
|--------|-----------|------------|
| 0-30   | 3049      | 90.4       |
| 0-40   | 3784      | 94.4       |
| 0-60   | 3345      | 99.2       |
| 0-90   | 3372      | 100.0      |
| 40-90  | 188       | 5.6        |
| 60-90  | 27        | 0.8        |
| 90-180 | 0         | 0.0        |
| 0-180  | 3372      | 100.0      |

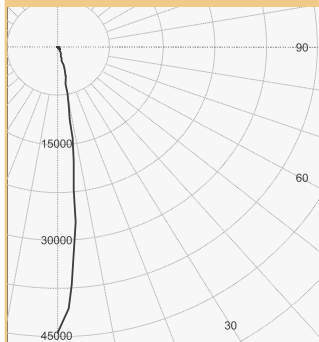
## Zonal Flux and Percentages

| Zone   | Flux (lm) | %Luminaire |
|--------|-----------|------------|
| 0-30   | 2810      | 87.1       |
| 0-40   | 2997      | 92.9       |
| 0-60   | 3191      | 98.9       |
| 0-90   | 3226      | 100.0      |
| 40-90  | 228       | 7.1        |
| 60-90  | 35        | 1.1        |
| 90-180 | 0         | 0.0        |
| 0-180  | 3226      | 100.0      |

## Zonal Flux and Percentages

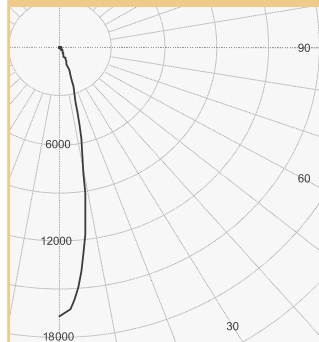
| Zone   | Flux (lm) | %Luminaire |
|--------|-----------|------------|
| 0-30   | 2623      | 83.9       |
| 0-40   | 2854      | 91.3       |
| 0-60   | 3084      | 98.6       |
| 0-90   | 3126      | 100.0      |
| 40-90  | 273       | 8.7        |
| 60-90  | 43        | 1.4        |
| 90-180 | 0         | 0.0        |
| 0-180  | 3126      | 100.0      |

## All planes - Solid (cd)



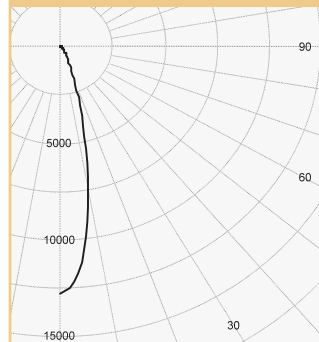
(Rotational Symmetry)

## All planes - Solid (cd)



(Rotational Symmetry)

## All planes - Solid (cd)



(Rotational Symmetry)

# Clarté Lighting

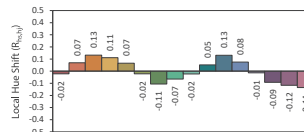
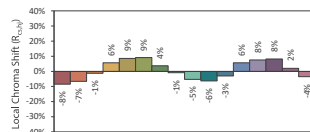
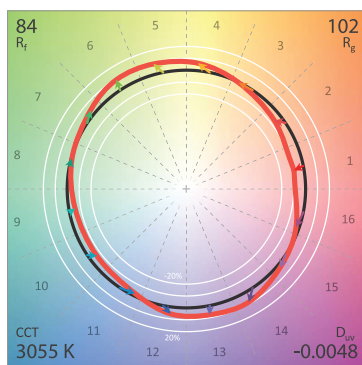
## SMS1-666-PAR30-WWS

Surface Low Profile Wall Wash Scoop

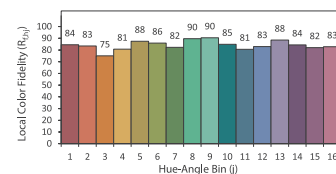
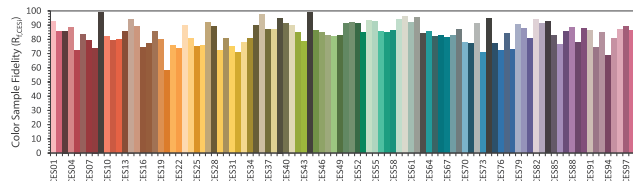
TM-30-18 Color Metrics

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

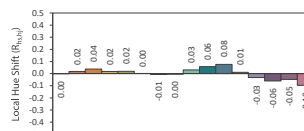
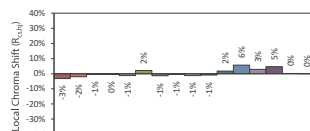
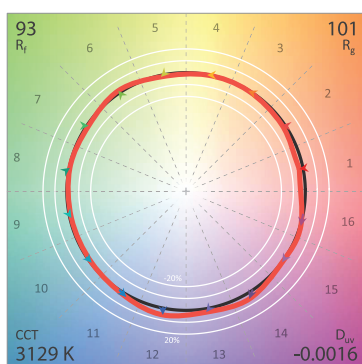
### Clarté Lighting 3000K 80+ CRI Color Metrics



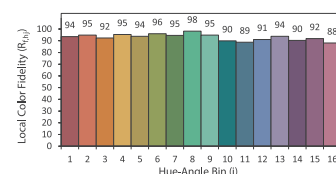
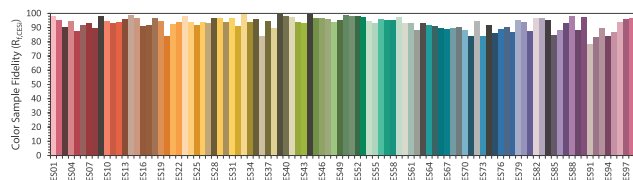
|                        |
|------------------------|
| CIE 13.3-1995<br>(CRI) |
| R <sub>a</sub> 86      |
| R <sub>g</sub> 29      |



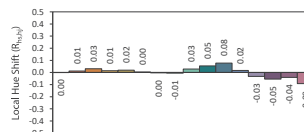
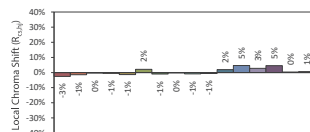
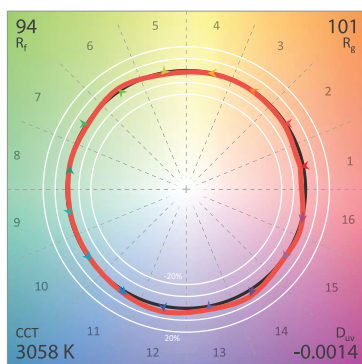
### Clarté Lighting 3000K 90+ CRI Color Metrics



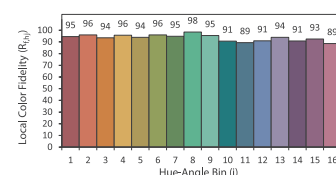
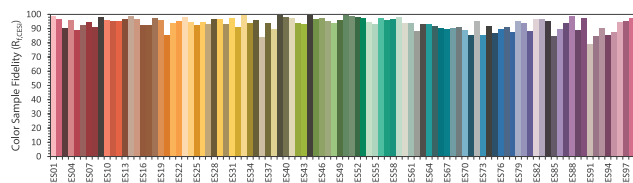
|                        |
|------------------------|
| CIE 13.3-1995<br>(CRI) |
| R <sub>a</sub> 95      |
| R <sub>g</sub> 74      |



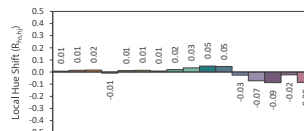
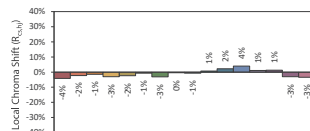
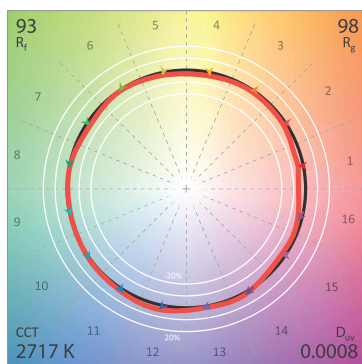
### Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



|                        |
|------------------------|
| CIE 13.3-1995<br>(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<br>(CRI) |
| R <sub>a</sub> 95      |
| R <sub>g</sub> 64      |

