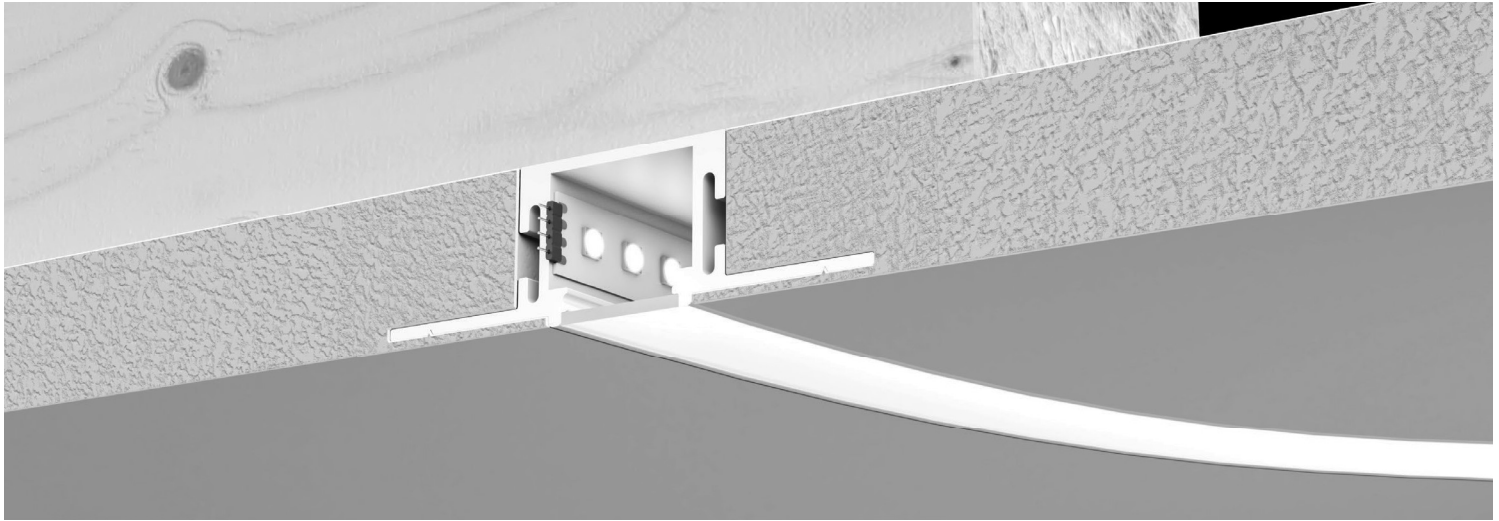


# TRUCIRQUE .5A TUNABLE WHITE

## 24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 02.23.24



PureEdge is the Original Designer of 5/8" Drywall Lighting Systems

### DESCRIPTION

PureEdge Lighting, the pioneer of 5/8" drywall systems, now brings you TruCirque .5A. Our innovative and highly efficient system blends seamlessly into the drywall, becoming part of the architecture and redefining the relationship between lighting and interior design. TruCirque brings the same ease of installation as our other 5/8" drywall families to a pristine circle of illumination. The slim extrusions are offered in various diameters from 2 to 18 feet, supplied with a diffused, flexible lens. TruCirque provides smooth and glare-free illumination using designer-grade color rendering LEDs (95+ CRI). Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). Tunable white lighting visually, biologically and emotionally contributes to human interaction with the physical world. Human centric lighting (HCL) builds on this technology bringing the dynamics of natural daylight indoors, and delivering a positive effect on human health, wellbeing and performance. Click here for all [Other Color Temperatures](#). Influenced by simplicity and elegance, TruCirque brings together a modern and dynamic aesthetic to residential and commercial environments. Let the drywall be your canvas. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, email our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### MAXIMUM DIAMETER BEFORE RE-FEEDING

2WDC, 2.5 watts per foot - 12'  
 5WDC, 4.4 watts per foot - 6'  
 7WDC, 7.3 watts per foot - 3'

### INCLUDED COMPONENTS

TruCirque .5" Channel, Power Channel Connector(s) with Junction Box, Channel Joiners, Mounting Straps, Drywall Screws, LED Strip, and Flexible Diffused Lens

### LAMP

- Tunable White: 2000K-6500K (**2K6K**) and 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Lumen Performance: 382lm/ft at 3000K 7W per foot
- Average life: 50,000 hours
- For additional color temperatures refer to their respective specification

### REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [0-10V](#): Requires two dimmers, one for intensity and one for color temperature
- [DMX Dynamic Color Changing](#)
- [Controllers](#)

\*In-Wall Mounting and drop ceiling Kits available for select power supplies

### APPLICATIONS

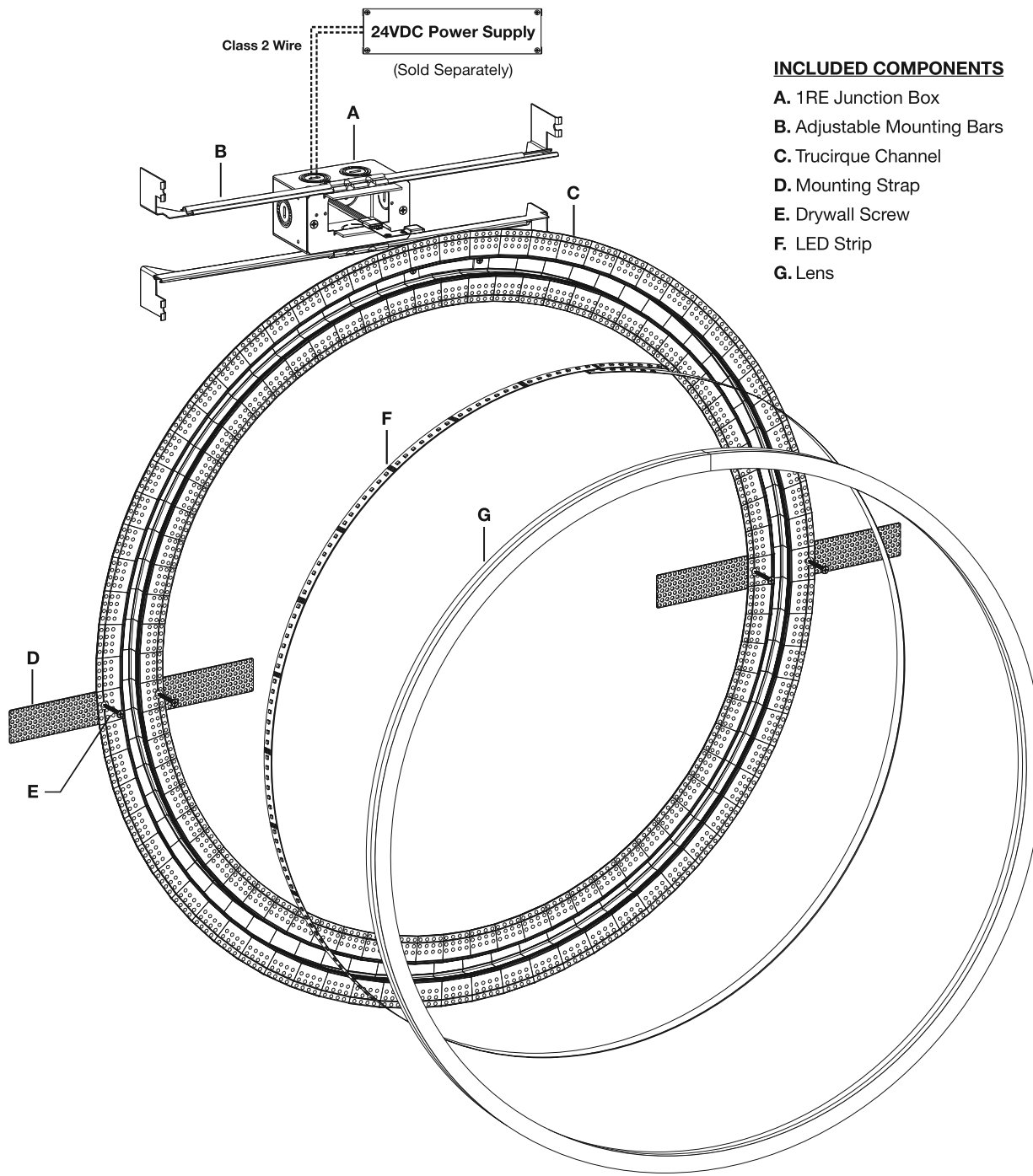
Designed for use in any drywall/gypsum board application, including Damp locations. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

### COMPLIANCE

ETL, Class 2, Damp Location, Made in USA.

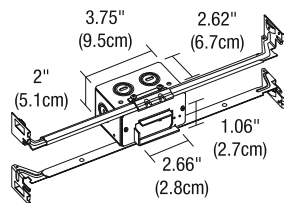
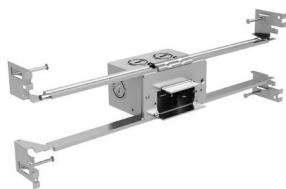
| System               | Watts Per Foot                             | Diameter in Feet  | Color Temperature  |
|----------------------|--|---|--|
| <b>TCIR.5</b>        | <b>2W</b>                                  | <b>4FT</b>  | <b>ST2K6K</b>  |
| TCIR.5 TruCirque .5" | 2W 2.5 Watts<br>5W 5 Watts<br>7W 7.3 Watts | 2FT 7FT 13FT<br>2.5FT 8FT 14FT<br>3FT*** 9FT 15FT<br>4FT 10FT 16FT<br>5FT 11FT 17FT<br>6FT** 12FT* 18FT<br>Maximum Diameter before re-feeding<br>*2W **5W ***7W | ST2K6K Tunable White 2000K-6500K<br>ST27K6 Tunable White 2700K-6500K |

|         |  |              |  |      |  |
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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**INCLUDED COMPONENTS**

- A. 1RE Junction Box
- B. Adjustable Mounting Bars
- C. Trucirque Channel
- D. Mounting Strap
- E. Drywall Screw
- F. LED Strip
- G. Lens



**JUNCTION BOX ROUGH-IN COMPONENT (INCLUDED)**

Junction Box is included with TruCirque .5A. Order additional Junction Boxes separately to rough-in electrical wiring before drywall installation. Quick shipment available. See DIY Spec Sheet for all component options.

| System            | Size             | Component         |
|-------------------|------------------|-------------------|
| <b>TL.5A</b>      | <b>1RE</b>       | <b>JBOX</b>       |
| TL.5A TruLine .5A | 1RE 1" Rectangle | JBOX Junction Box |

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| PROJECT | FIXTURE TYPE | DATE |
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# TRUCIRQUE .5A TUNABLE WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

REV 02.23.24

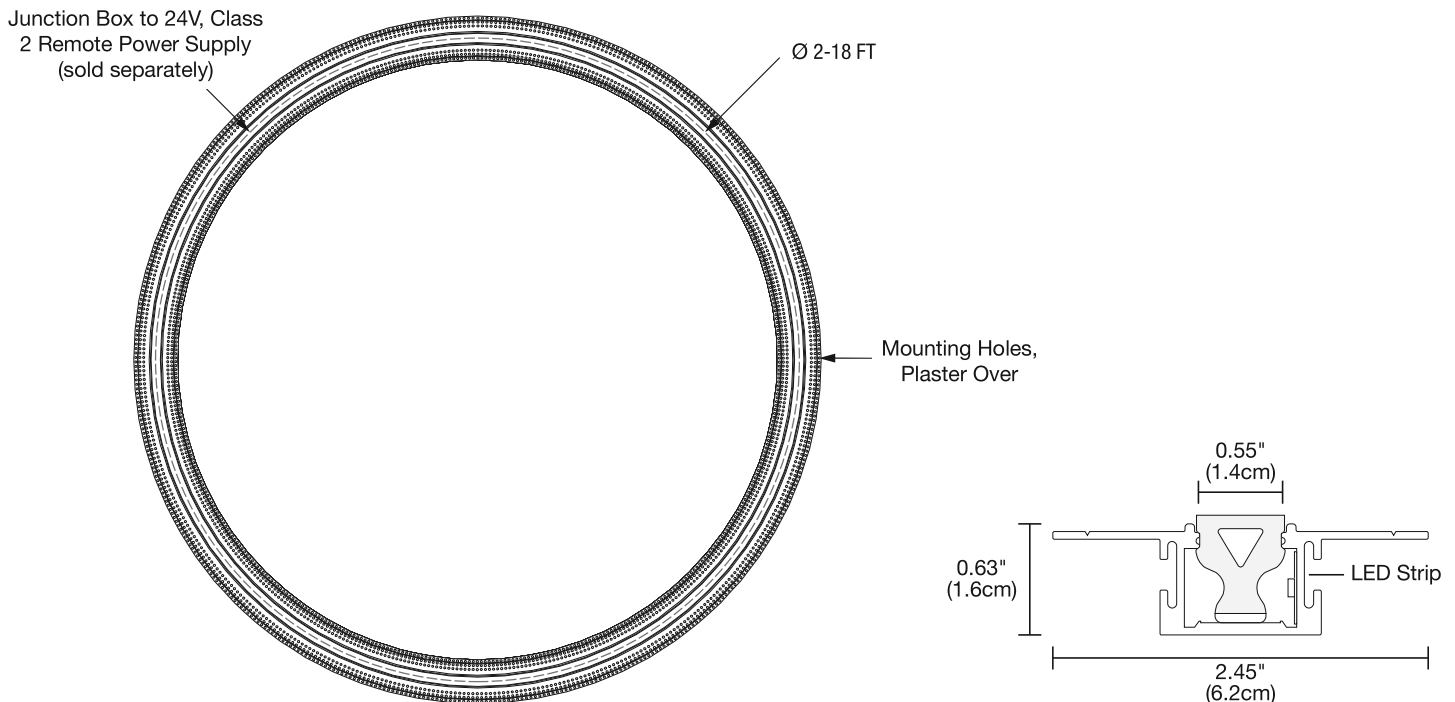
## NOMINAL DELIVERED LUMENS

| DESCRIPTION             | TUNABLE WHITE - 27K6 |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |           |     |     |     |     |
|-------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|
|                         | ST2A 27K6            |     |     |     |     |     |     |     | ST5A 27K6 |     |     |     |     |     |     |     | ST7A 27K6 |     |     |     |     |
|                         | 2.5W                 |     |     |     |     |     |     |     | 4.6W      |     |     |     |     |     |     |     | 7.5W      |     |     |     |     |
| WATTS PER FOOT          | 2.5W                 |     |     |     |     |     |     |     | 4.6W      |     |     |     |     |     |     |     | 7.5W      |     |     |     |     |
| COLOR TEMPERATURE       | 27K                  | 30K | 35K | 40K | 45K | 57K | 65K | 27K | 30K       | 35K | 40K | 45K | 57K | 65K | 27K | 30K | 35K       | 40K | 45K | 57K | 65K |
| LUMENS PER FOOT (lm/ft) | 99                   | 118 | 121 | 124 | 136 | 146 | 139 | 248 | 253       | 263 | 272 | 269 | 267 | 266 | 418 | 428 | 444       | 460 | 454 | 451 | 449 |
| LUMENS PER WATT (lm/w)  | 50                   | 47  | 48  | 50  | 54  | 58  | 69  | 62  | 55        | 57  | 59  | 58  | 67  | 66  | 65  | 59  | 62        | 64  | 63  | 63  | 70  |
| CRI                     | 92+                  | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ | 92+ | 92+       | 92+ | 95+ | 93+ | 93+ | 93+ | 92+ | 92+ | 92+       | 95+ | 93+ | 93+ | 93+ |

| DESCRIPTION             | TUNABLE WHITE - 2K6K |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |
|-------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|
|                         | ST2A                 |     |     |     |     |     |     |     |     |     | ST5A |     |     |     |     |     |     |     |     |     | ST7A 2K6K |     |     |     |     |     |     |
|                         | 2.5W                 |     |     |     |     |     |     |     |     |     | 5W   |     |     |     |     |     |     |     |     |     | 7.5W      |     |     |     |     |     |     |
| WATTS PER FOOT          | 2.5W                 |     |     |     |     |     |     |     |     |     | 5W   |     |     |     |     |     |     |     |     |     | 7.5W      |     |     |     |     |     |     |
| COLOR TEMPERATURE       | 20K                  | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 20K | 22K  | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 20K | 22K | 24K       | 27K | 30K | 35K | 40K | 57K | 65K |
| LUMENS PER FOOT (lm/ft) | 78                   | 79  | 80  | 81  | 82  | 84  | 92  | 100 | 107 | 188 | 196  | 204 | 212 | 220 | 235 | 251 | 254 | 256 | 328 | 343 | 359       | 374 | 389 | 420 | 443 | 447 | 452 |
| LUMENS PER WATT (lm/w)  | 42                   | 41  | 40  | 41  | 41  | 42  | 46  | 50  | 59  | 47  | 46   | 44  | 46  | 48  | 51  | 55  | 55  | 64  | 51  | 48  | 50        | 52  | 54  | 58  | 61  | 62  | 71  |
| CRI                     | 92+                  | 92+ | 92+ | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ | 92+ | 92+  | 92+ | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ | 91+ | 91+ | 91+       | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ |

| POWER SUPPLIES NEEDED      |                          |                        |                        |                        |                        |                        |                        |
|----------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| TRUCIRQUE DIAMETER IN FEET | LED STRIP LENGTH IN FEET | 2 WATT                 |                        | 5 WATT                 |                        | 7 WATT                 |                        |
|                            |                          | 2W STRIP TOTAL WATTAGE | 2W # OF POWER SUPPLIES | 5W STRIP TOTAL WATTAGE | 5W # OF POWER SUPPLIES | 7W STRIP TOTAL WATTAGE | 7W # OF POWER SUPPLIES |
| 2                          | 7                        | 18                     | 1                      | 35                     | 1                      | 52                     | 1                      |
| 2.5                        | 8                        | 20                     | 1                      | 40                     | 1                      | 59                     | 1                      |
| 3***                       | 10                       | 25                     | 1                      | 50                     | 1                      | 74                     | 1                      |
| 4                          | 13                       | 33                     | 1                      | 65                     | 1                      | 96                     | 1                      |
| 5                          | 16                       | 40                     | 1                      | 80                     | 1                      | 118                    | 2                      |
| 6**                        | 19                       | 48                     | 1                      | 95                     | 1                      | 141                    | 2                      |
| 7                          | 22                       | 55                     | 1                      | 110                    | 2                      | 163                    | 2                      |
| 8                          | 26                       | 65                     | 1                      | 130                    | 2                      | 192                    | 2                      |
| 9                          | 29                       | 73                     | 1                      | 145                    | 2                      | 215                    | 3                      |
| 10                         | 32                       | 80                     | 1                      | 160                    | 2                      | 237                    | 3                      |
| 11                         | 35                       | 88                     | 1                      | 175                    | 2                      | 259                    | 3                      |
| 12*                        | 38                       | 95                     | 1                      | 190                    | 2                      | 281                    | 3                      |
| 13                         | 41                       | 103                    | 2                      | 205                    | 3                      | 303                    | 4                      |
| 14                         | 44                       | 110                    | 2                      | 220                    | 3                      | 326                    | 4                      |
| 15                         | 48                       | 120                    | 2                      | 240                    | 3                      | 355                    | 4                      |
| 16                         | 51                       | 128                    | 2                      | 255                    | 3                      | 377                    | 4                      |
| 17                         | 54                       | 135                    | 2                      | 270                    | 3                      | 400                    | 4                      |
| 18                         | 57                       | 143                    | 2                      | 285                    | 3                      | 422                    | 5                      |

MAXIMUM LENGTH BEFORE RE-FEEDING \*2W \*\*5W \*\*\*7W



|         |              |      |
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| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

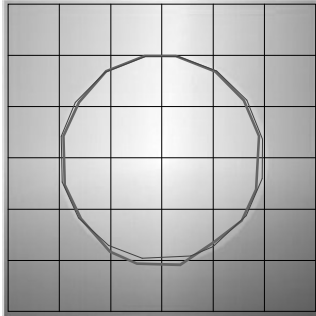
# LED STRIP TM30 DATA

24VDC, STATIC WHITE, WARM DIM & TUNABLE WHITE

**TM-30-15 DATA:** The data below is for Tunable White bare LED Strip. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

## 2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

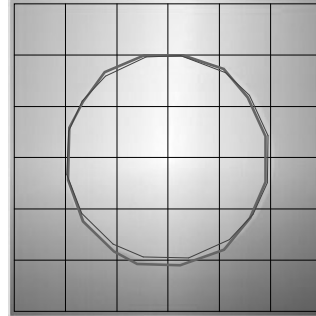


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 87.7 | -5.5%            | 1.2%   |
| 2       | 88.7 | -3.9%            | 4.2%   |
| 3       | 90.5 | -1.5%            | 4.3%   |
| 4       | 95.0 | -1.7%            | 0.8%   |
| 5       | 95.2 | -0.2%            | 2.1%   |
| 6       | 94.2 | 1.6%             | 1.9%   |
| 7       | 95.9 | -0.8%            | -2.2%  |
| 8       | 95.5 | -1.7%            | 1.3%   |
| 9       | 93.8 | -1.4             | 2.6%   |
| 10      | 91.9 | -0.7%            | 4.2%   |
| 11      | 91.3 | 3.6%             | 3.7%   |
| 12      | 91.2 | 4.2%             | -1.0%  |
| 13      | 86.6 | 3.8%             | -12.7% |
| 14      | 67.2 | -3.0%            | -16.3% |
| 15      | 84.9 | -3.3%            | -9.4%  |
| 16      | 84.2 | -5.7%            | -7.5%  |

## 3000K (2K6K/27K6) | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

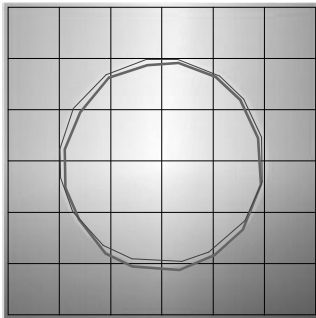


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 91.5 | -3.5%            | 1.2%   |
| 2       | 92.4 | -1.8%            | 2.7%   |
| 3       | 89.8 | 0.3%             | 4.5%   |
| 4       | 92.4 | -1.7%            | 0.4%   |
| 5       | 93.3 | -0.1%            | 1.4%   |
| 6       | 94.5 | 2.1%             | -0.6%  |
| 7       | 91.0 | -2.5%            | 0.3%   |
| 8       | 96.9 | -0.8%            | -0.2%  |
| 9       | 91.6 | -0.9%            | 4.6%   |
| 10      | 86.7 | 0.7%             | 7.8%   |
| 11      | 86.3 | 3.8%             | 8.5%   |
| 12      | 88.3 | 6.1%             | 0.6%   |
| 13      | 90.9 | 3.1%             | -5.2%  |
| 14      | 87.3 | 4.7%             | -7.9%  |
| 15      | 92.1 | -1.9%            | -2.5%  |
| 16      | 84.5 | -0.9%            | -10.9% |

## 4000K ONLY (2K6K/27K6) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 86.5 | -5.5%            | 1.3%  |
| 2       | 90.4 | -3.0%            | 2.3%  |
| 3       | 89.8 | -2.1%            | 3.6%  |
| 4       | 89.1 | -3.4%            | 0.4%  |
| 5       | 88.5 | -5.9%            | 0.1%  |
| 6       | 93.6 | -3.0%            | -0.4% |
| 7       | 88.9 | -6.2%            | 1.7%  |
| 8       | 87.3 | -5.0%            | 4.9%  |
| 9       | 82.4 | -3.6%            | 11.3% |
| 10      | 77.4 | -1.8%            | 12.7% |
| 11      | 79.8 | 4.9%             | 11.4% |
| 12      | 88.7 | 4.4%             | 2.7%  |
| 13      | 88.7 | 4.0%             | -5.1% |
| 14      | 91.2 | 2.2%             | -3.8% |
| 15      | 82.7 | -0.1%            | -9.2% |
| 16      | 82.8 | -2.2%            | -7.6% |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|