

# ZIP WAVE PIX STICKS MIYO WITH REMOTE POWER

## DESIGN YOUR OWN STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 09.10.20



\*Shown with mixed lengths

### DESCRIPTION

Zip Wave MIYO Pix Sticks creates distinctive compositions within any space, the slender curves of the Zip Wave channels gracefully descend from a single, centered canopy using the customization of our MIYO (Make It Your Own) System, allowing you to be the lighting designer. The Zip suspensions produce a continuous beam of light through a Diffused White 100° Lens in six standard lengths (custom lengths are available). Offered in ten standard Color Temperatures from 22K to 57K, including Warm Dim 2700K (**27D**) or 3000K (**30D**) and Dynamic, Tunable White (**2K4K**) giving you full control of the color and brightness independently. Available in 5 and 7-watt versions using our Designer-grade 95+ CRI color rendering LEDs. Each channel can be ordered with 12' or 22' of adjustable aircraft cable to accommodate large-scale spaces. Remote 24VDC Power Supply (sold separately). Includes a 5-year pro-rated warranty. For custom finishes, designs and layout assistance email our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

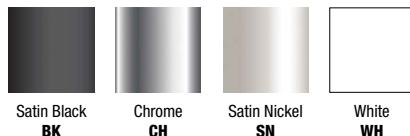
### REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

- UNI Driver: Universal Dimming (TRIAC, ELV, 0-10V) with corresponding dimmer
- DMX: Dynamic Color Changing
- Lutron Hi-Lume®

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

\*\*Dynamic/Tunable White- Requires two dimmers (one for 2000K and one for 4000K) or use our proprietary Tunable White Controller CDMX-1

### FINISHES



### SPECIFICATIONS

Create your own, Mix & Match lengths or keep them all the same

- Configurations: 2, 3, 4, 5, 6, 7 and 9-light compositions
- Length Options: 39"-96" per channel
- Color Temperatures: 2200K-5700K, Warm Dim - (**27D, 30D**) and Dynamic Tunable White (**2K4K**)
- High CRI: Up to 95+
- Diffused White 100° lens
- Wattage Options: 5 and 7 Watts per foot
- Lumen Output: Up to 457 lm/ft @30K
- Finishes: Satin Black, Chrome, Satin Nickel and White
- Installation: Fixture is suspended from a singular canopy, no additional support required
- 12' or 22' of adjustable aircraft cable (two per channel)
- Remote Power Supply

### APPLICATIONS

Designed for indoor use only. Ideal applications include residential, commercial, retail and hospitality environments

### APPROVALS

Damp Location, Class 2 wiring, ETL Listed, Title 24 with Universal Power Supply



ZIP CHANNEL

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

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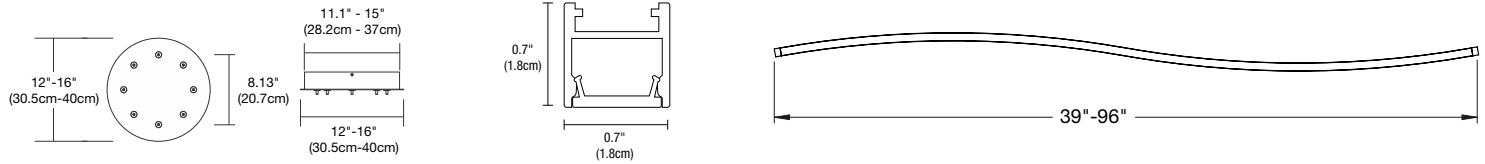
### CANOPY ORDERING CODE:

| Canopy   | Finish                 |
|--|------------------------|
| <b>GJR-12RD-4P</b>                               | <b>SN</b>              |
| <b>GJR-12RD-4P</b> 12 inch round 4 port canopy   | <b>BK</b> Satin Black  |
| <b>GJR-12RD-6P</b> 12 inch round 6 port canopy   | <b>CH</b> Chrome       |
| <b>GJR-12RD-8P</b> 12 inch round 8 port canopy   | <b>SN</b> Satin Nickel |
| <b>GJR-12RD-10P</b> 12 inch round 10 port canopy | <b>WH</b> White        |
| <b>GJR-16RD-12P</b> 16 inch round 12 port canopy |                        |
| <b>GJR-16RD-14P</b> 16 inch round 14 port canopy |                        |
| <b>GJR-16RD-18P</b> 16 inch round 18 port canopy |                        |

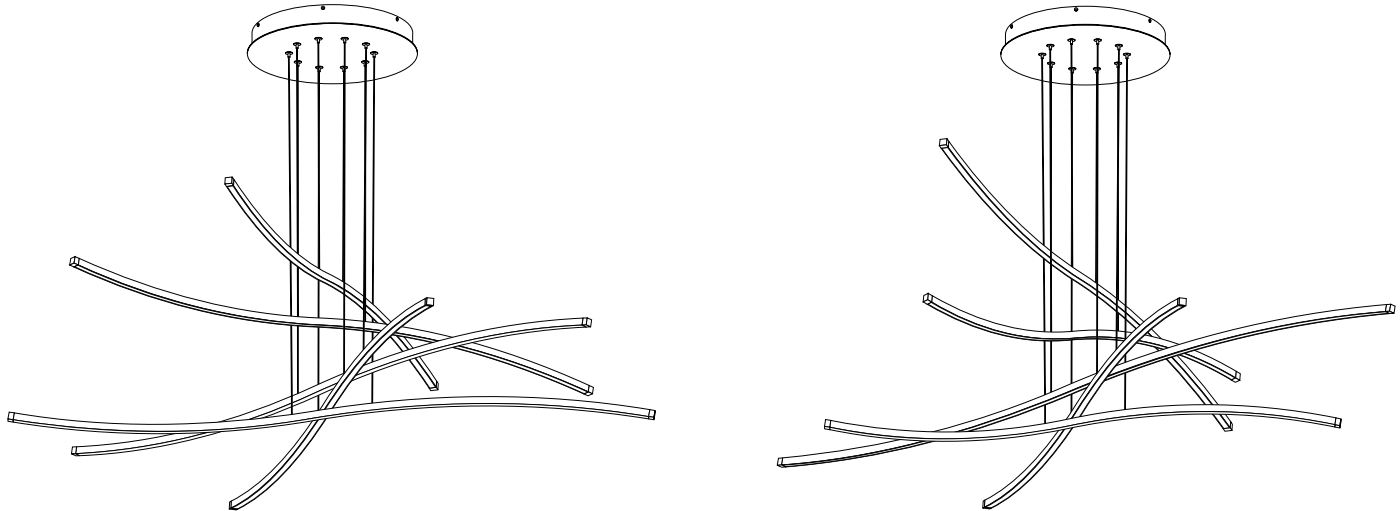
### FIXTURE ORDERING CODE:

| System                                       | Wattage Per Foot                         | Fixture Power Feed   | Size In Inches (Per Channel)                 | Color Temperature   | Finish   |
|--|--|--|--|---|--|
| <b>WSD</b>                                   | <b>5W</b>                                | <b>C8Z12</b>   | <b>39</b>                                    | <b>27K</b>  | <b>SN</b>  |
| <b>WSD</b> Zip Wave Suspension Diffused Lens | <b>5W</b> 4.4 Watt<br><b>7W</b> 7.3 Watt | <b>C8Z12</b> 12' Adjustable Coaxial Cables (Two per channel)<br><b>C8Z22</b> 22' Adjustable Coaxial Cables (Two per channel) | <b>39</b> 72<br><b>48</b> 84<br><b>60</b> 96 | <b>22K</b> 2200K<br><b>24K</b> 2400K<br><b>27K</b> 2700K<br><b>27D*</b> 2700K Warm Dim*<br><b>30K</b> 3000K<br><b>30D*</b> 3000K Warm Dim*<br><b>35K</b> 3500K<br><b>40K</b> 4000K<br><b>57K</b> 5700K<br><b>2K4K*</b> 2000K-4000K Tunable White* | <b>BK</b> Satin Black<br><b>CH</b> Chrome<br><b>SN</b> Satin Nickel<br><b>WH</b> White |

\*Maximum shipping White End Caps length for Chrome is 84"  
\*\*Custom lengths available  
\*5W Only



### DRAWINGS: Pix Sticks



### UNIFORM CHANNEL LENGTHS

#### Ordering Code:

1 X GJR-12RD-10P-SN  
5 X WSD-5W-C8Z12-72-30K-SN

#### Wattage for power supply:

(72"/12") = 6' X 4.4W = 26.4W X 5 = 132 watts

#### Power supply ordering code

PSB-2X96-UNI-24VDC

### MIXED CHANNEL LENGTHS

#### Ordering Code:

1 X GJR-12RD-10P-SN  
1 X WSD-5W-C8Z12-48-30K-SN  
1 X WSD-5W-C8Z12-60-30K-SN  
1 X WSD-5W-C8Z12-72-30K-SN  
1 X WSD-5W-C8Z12-36-30K-SN  
1 X WSD-5W-C8Z12-96-30K-SN

#### Wattage for power supply:

(48"/12") X 4.4W = 17.6W  
(60"/12") X 4.4W = 22W  
(72"/12") X 4.4W = 26.4W  
(36"/12") X 4.4W = 13.2W  
(96"/12") X 4.4W = 35.2W  
Total: 114.4W

#### Power supply ordering code

PSB-2X96-UNI-24VDC

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

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### NOMINAL LAMP DATA Lamp Data for each Channel Type

| DESCRIPTION             | WSD                            |     |     |      |     |      |                |     |     |     |     |     |     |     |     |     |
|-------------------------|--------------------------------|-----|-----|------|-----|------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                         | 100 Degree Diffused White Lens |     |     |      |     |      |                |     |     |     |     |     |     |     |     |     |
|                         | 5W (4.4 watts)                 |     |     |      |     |      | 7W (7.5 watts) |     |     |     |     |     |     |     |     |     |
| WATTS PER FOOT          | 22K                            | 24K | 27K | 27D* | 30K | 30D* | 35K            | 40K | 57K | 22K | 24K | 27K | 30K | 35K | 40K | 57K |
| COLOR TEMPERATURE       | 22K                            | 24K | 27K | 27D* | 30K | 30D* | 35K            | 40K | 57K | 22K | 24K | 27K | 30K | 35K | 40K | 57K |
| LUMENS PER FOOT (lm/ft) | 209                            | 232 | 225 | 278  | 319 | 284  | 319            | 346 | 369 | 343 | 381 | 418 | 457 | 526 | 569 | 606 |
| LUMENS PER WATT (lm/w)  | 47                             | 53  | 58  | 54   | 63  | 59   | 72             | 79  | 84  | 47  | 52  | 57  | 63  | 72  | 78  | 83  |
| CRI                     | 85+                            | 90+ | 95+ | 95+  | 95+ | 95+  | 85+            | 84  | 84  | 85+ | 90+ | 95+ | 95+ | 85+ | 84  | 84  |

### ACTUAL LENGTHS: Actual Channel Wattage per Channel

| CHANNELS | LENGTH | TOTAL WATTAGE 5 WATTS | TOTAL WATTAGE 7 WATTS |
|----------|--------|-----------------------|-----------------------|
| 1        | 39"    | 16                    | 23                    |
| 1        | 48"    | 20                    | 28                    |
| 1        | 60"    | 25                    | 35                    |
| 1        | 72"    | 30                    | 42                    |
| 1        | 84"    | 35                    | 49                    |
| 1        | 96"    | 40                    | 56                    |

| CHANNELS | LENGTH | TOTAL WATTAGE 5 WATTS | TOTAL WATTAGE 7 WATTS |
|----------|--------|-----------------------|-----------------------|
| 5        | 39"    | 81.25                 | 113.75                |
| 5        | 48"    | 100                   | 140                   |
| 5        | 60"    | 125                   | 175                   |
| 5        | 72"    | 150                   | 210                   |
| 5        | 84"    | 175                   | 245                   |
| 5        | 96"    | 200                   | 280                   |

|   |     |      |      |
|---|-----|------|------|
| 2 | 39" | 32.5 | 45.5 |
| 2 | 48" | 40   | 56   |
| 2 | 60" | 50   | 70   |
| 2 | 72" | 60   | 84   |
| 2 | 84" | 70   | 98   |
| 2 | 96" | 80   | 112  |

|   |     |      |       |
|---|-----|------|-------|
| 6 | 39" | 97.5 | 136.5 |
| 6 | 48" | 120  | 168   |
| 6 | 60" | 150  | 210   |
| 6 | 72" | 180  | 252   |
| 6 | 84" | 210  | 294   |
| 6 | 96" | 240  | 336   |

|   |     |       |       |
|---|-----|-------|-------|
| 3 | 39" | 48.75 | 68.25 |
| 3 | 48" | 60    | 84    |
| 3 | 60" | 75    | 105   |
| 3 | 72" | 90    | 126   |
| 3 | 84" | 105   | 147   |
| 3 | 96" | 120   | 168   |

|   |     |        |        |
|---|-----|--------|--------|
| 7 | 39" | 113.75 | 159.25 |
| 7 | 48" | 140    | 196    |
| 7 | 60" | 175    | 245    |
| 7 | 72" | 210    | 294    |
| 7 | 84" | 245    | 343    |
| 7 | 96" | 280    | 392    |

|   |     |     |     |
|---|-----|-----|-----|
| 4 | 39" | 65  | 91  |
| 4 | 48" | 80  | 112 |
| 4 | 60" | 100 | 140 |
| 4 | 72" | 120 | 168 |
| 4 | 84" | 140 | 196 |
| 4 | 96" | 160 | 224 |

|   |     |        |        |
|---|-----|--------|--------|
| 9 | 39" | 146.25 | 204.75 |
| 9 | 48" | 180    | 252    |
| 9 | 60" | 225    | 315    |
| 9 | 72" | 270    | 378    |
| 9 | 84" | 315    | 441    |
| 9 | 96" | 360    | 504    |

|         |  |              |  |      |  |
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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# INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

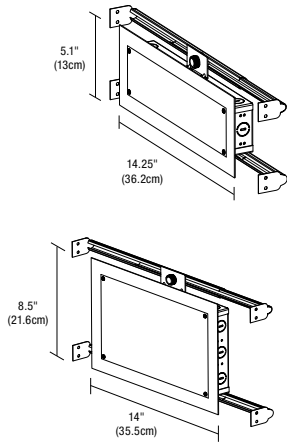
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| UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS |                       |                         |                         |                         |
|--|-----------------------|-------------------------|-------------------------|-------------------------|
| ORDERING CODE                                  | PSB-40W-UNI-24VDC<br> | PSB-60W-UNI-24VDC<br>   | PSB-2X40W-UNI-24VDC<br> | PSB-2X60W-UNI-24VDC<br> |
| <b>SPECIFICATIONS</b>                          |                       |                         |                         |                         |
| MAXIMUM LOAD                                   | 40W                   | 60W                     | 2X40W                   | 2X60W                   |
| INPUT VOLTAGE                                  | 120-277VAC            | 120-277VAC              | 120-277VAC              | 120-277VAC              |
| OUTPUT VOLTAGE                                 | 24VDC                 | 24VDC                   | 24VDC                   | 24VDC                   |
| DIMENSIONS                                     | 12.4" X 3.12" X 2.18" | 12.4" X 3.12" X 2.18"   | 12.15" X 6.48" X 2.18"  | 12.15" X 6.48" X 2.18"  |
| CLASSIFICATION                                 | CLASS 2               | CLASS 2                 | CLASS 2                 | CLASS 2                 |
| IN-WALL MOUNTING                               | PSB-40W-UNI-24VDC-IW  | PSB-60W-UNI-24VDC-IW    | PSB-2X40W-UNI-24VDC-IW  | PSB-2X60W-UNI-24VDC-IW  |
| UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS |                       |                         |                         |                         |
| ORDERING CODE                                  | PSB-96W-UNI-24VDC<br> | PSB-2X96W-UNI-24VDC<br> | PSB-3X96W-UNI-24VDC<br> | PSB-4X96W-UNI-24VDC<br> |
| <b>SPECIFICATIONS</b>                          |                       |                         |                         |                         |
| MAXIMUM LOAD                                   | 96W                   | 2X96W                   | 3X96W                   | 4X96W                   |
| INPUT VOLTAGE                                  | 120-277VAC            | 120-277VAC              | 120-277VAC              | 120-277VAC              |
| OUTPUT VOLTAGE                                 | 24VDC                 | 24VDC                   | 24VDC                   | 24VDC                   |
| DIMENSIONS                                     | 12.4" X 3.12" X 2.18" | 12.15" X 6.48" X 2.18"  | 14" X 10" X 3"          | 17" X 13" X 3"          |
| CLASSIFICATION                                 | CLASS 2               | CLASS 2                 | CLASS 2                 | CLASS 2                 |
| IN-WALL MOUNTING                               | PSB-96W-UNI-24VDC-IW  | PSB-2X96W-UNI-24VDC-IW  | NA                      | NA                      |
| <b>ELV DIMMING &amp; CONTROLS</b>              |                       |                         |                         |                         |
| LUTRON DIVA: DVELV-300P                        | •                     | •                       | •                       | •                       |
| LUTRON SKYLARK: SELV-300P                      | •                     | •                       | •                       | •                       |
| LUTRON RADIO RA2: RRD-6NA                      | •                     | •                       | •                       | •                       |
| LUTRON MAESTRO: MAELV-600                      | •                     | •                       | •                       | •                       |
| LEGRAND ADORNE: ADTP-703TUM4                   | •                     | •                       | •                       | •                       |
| <b>0-10 DIMMING &amp; CONTROLS</b>             |                       |                         |                         |                         |
| PHILIPS SUNRISE: SR1200ZTUNV                   | •                     | •                       | •                       | •                       |
| LUTRON DIVA: DVTW-WH, DVSTV-WH                 | •                     | •                       | •                       | •                       |
| LUTRON NOVA T: NTSTV-DV-XX                     | •                     | •                       | •                       | •                       |
| LUTRON GRAFIX EYE QS: QSGRJ-XP                 | •                     | •                       | •                       | •                       |
| LUTRON RADIO RA2: RRD-10ND                     | •                     | •                       | •                       | •                       |
| LEVITON: LEV40050                              | •                     | •                       | •                       | •                       |
| LEVITON IP710-LFZ                              | •                     | •                       | •                       | •                       |
| LEGRAND: ADPD4FBL3P2W4                         | •                     | •                       | •                       | •                       |
| <b>TRIAC DIMMING &amp; CONTROLS</b>            |                       |                         |                         |                         |
| LUTRON SKYLARK: S2-L-WH                        | •                     | •                       | •                       | •                       |
| LUTRON DIVA DVLV-600P-WH                       | •                     | •                       | •                       | •                       |
| LUTRON DIVA DVLV-603P-WH                       | •                     | •                       | •                       | •                       |
| LUTRON MAESTRO MALV-600-WH                     | •                     | •                       | •                       | •                       |
| LUTRON MAESTRO MALV-1000-WH                    | •                     | •                       | •                       | •                       |
| LUTRON MAESTRO MA-R-XX                         | •                     | •                       | •                       | •                       |

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset: short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90
- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
  - Triac Dimmer : (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
  - ELV Dimmer : (Reverse Phase) Dimming of Electronic Low Voltage Transformers and Power Supply's used for LED lighting
  - 0-10 Dimmer : Dims the Low Voltage side of a 0-10 volt power supply commonly used in large scale lighting or commercial applications.
- The Uni-Power Supply is recommended with any Siemens/Murray brand of arc fault breaker to overcome the issues with tripping the breakers with an ELV LED Low Voltage Drivers.

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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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**IN WALL MOUNTING OPTIONS**



**In-Wall Mounting Kit:** Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

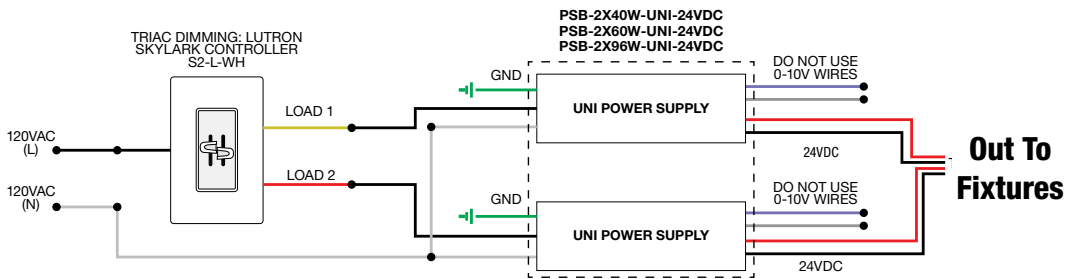
**Ordering Codes 5.1 x 14.25 inch:** PSB-40W-UNI-24VDC-IW  
PSB-60W-UNI-24VDC-IW  
PSB-96W-UNI-24VDC-IW

**Ordering Codes 8.5 x 14.25 inch:** PSB-2X40W-UNI-24VDC-IW  
PSB-2X60W-UNI-24VDC-IW  
PSB-2X96W-UNI-24VDC-IW

**WIRING DIAGRAMS UNIVERSAL POWER SUPPLY**

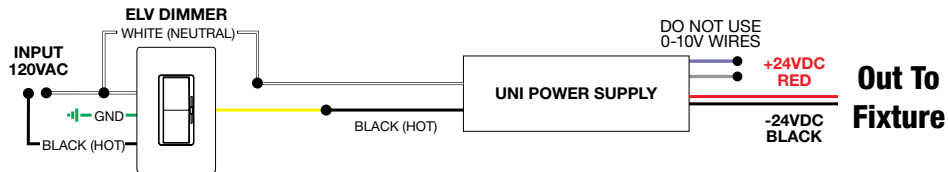
**Application:** Triac dimming for two power supplies, use for Static White, Dynamic/Tunable White 2000K-4000K

**Dimming:** Dimmable with Triac dimmer: Lutron: Skylark S2-L



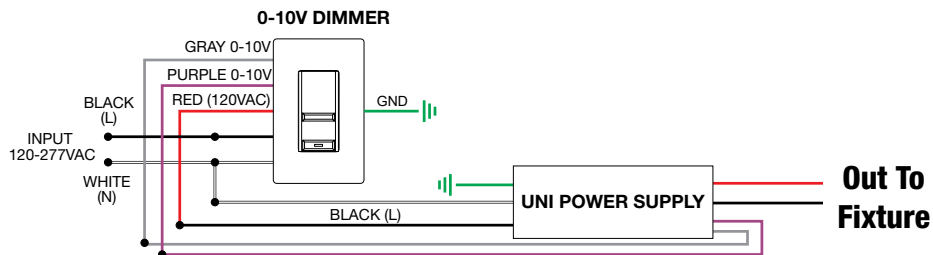
**Application:** ELV dimming for Static White and Warm Dim

**Dimming:** Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2



**Application:** 0-10V dimming for Static White

**Dimming:** Dimmable with 0-10V dimmer: Philips Sunrise: SR1200ZTUNV; Lutron Diva: DVTV-WH, DVSTV-WH; Lutron Nova T: NTSTV-DV-XX; Lutron Graftix EYE QS: QSGRJ-XP; Lutron Radio Ra2: RRD-10ND; Leviton: LEV40050; Leviton IP710-LFZ; Legrand: ADPD4FBL3P2W4

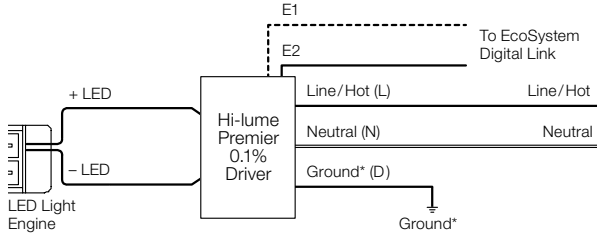


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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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| LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®† |                   |                                   |                                   |
|---|-------------------|-----------------------------------|-----------------------------------|
| ORDERING CODES                          | L3D0-96W24V-U     | 2-WIRE ECOSYSTEM LTEA4U1UKL-CV240 | 3-WIRE ECOSYSTEM L3DA4U1UKL-CV240 |
|   |                   |                                   |                                   |
| SPECIFICATIONS                          |                   |                                   |                                   |
| MAXIMUM LOAD                            | 96W               | 5W-40W                            | 5W-40W                            |
| INPUT VOLTAGE                           | 120-277VAC        | 120-277VAC                        | 120-277VAC                        |
| OUTPUT VOLTAGE                          | 24VDC             | 24VDC                             | 24VDC                             |
| DIMENSIONS                              | 10.5" X 5.5" X 2" | 4" X 4.89" X 2.62"                | 4" X 4.89" X 2.62"                |
| CLASSIFICATION                          | CLASS 2           | CLASS 2                           | CLASS 2                           |
| DIMMING AND CONTROLS                    |                   |                                   |                                   |
| RADIO RA2                               | •                 | •                                 | •                                 |
| HOMEWORKS QS                            | •                 | •                                 | •                                 |
| PHPM-3F-120                             | •                 | •                                 | •                                 |
| PHPM-3F-DV                              | •                 | •                                 | •                                 |
| BCI-0-10                                | •                 | •                                 | •                                 |

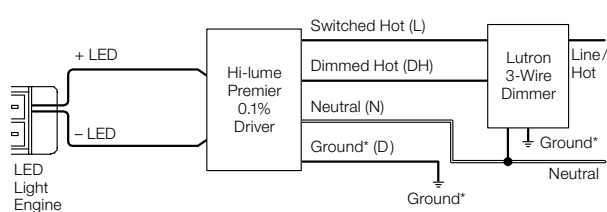
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

2-Wire EcoSystem Wiring Diagram



LTEA4U1UKL-CV240

3-Wire Wiring Diagram



L3DA4U1UKL-CV240

|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
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| LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®† |                   |                                   |                                   |
|---|-------------------|-----------------------------------|-----------------------------------|
| ORDERING CODES                          | L3D0-96W24V-U     | 2-WIRE ECOSYSTEM LTEA4U1UKL-CV240 | 3-WIRE ECOSYSTEM L3DA4U1UKL-CV240 |
| <b>SPECIFICATIONS</b>                   |                   |                                   |                                   |
| <b>MAXIMUM LOAD</b>                     | 96W               | 5W-40W                            | 5W-40W                            |
| <b>INPUT VOLTAGE</b>                    | 120-277VAC        | 120-277VAC                        | 120-277VAC                        |
| <b>OUTPUT VOLTAGE</b>                   | 24VDC             | 24VDC                             | 24VDC                             |
| <b>DIMENSIONS</b>                       | 10.5" X 5.5" X 2" | 4" X 4.89" X 2.62"                | 4" X 4.89" X 2.62"                |
| <b>CLASSIFICATION</b>                   | CLASS 2           | CLASS 2                           | CLASS 2                           |
| <b>DIMMING AND CONTROLS</b>             |                   |                                   |                                   |
| <b>RADIO RA2</b>                        | •                 | •                                 | •                                 |
| <b>HOMEWORKS QS</b>                     | •                 | •                                 | •                                 |
| <b>PHPM-3F-120</b>                      | •                 | •                                 | •                                 |
| <b>PHPM-3F-DV</b>                       | •                 | •                                 | •                                 |
| <b>BCI-0-10</b>                         | •                 | •                                 | •                                 |

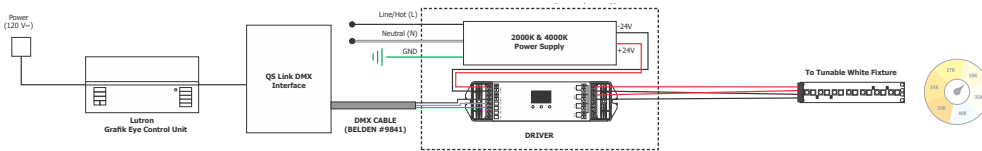
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

\*Tunable White (2K4K) Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

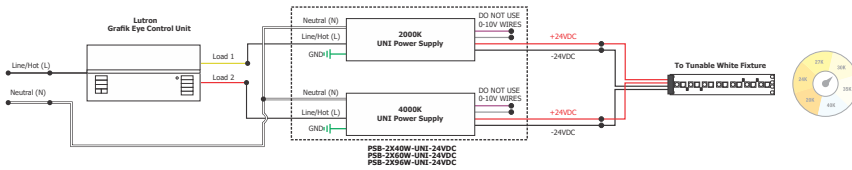
\*\*Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.

Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s). Specify amount of Power Supplies based on this.

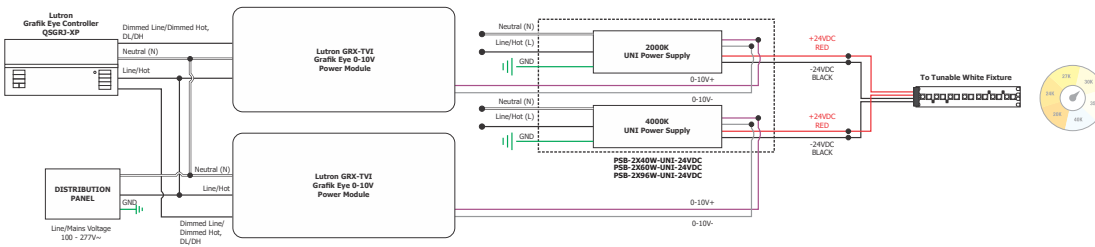
### WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit



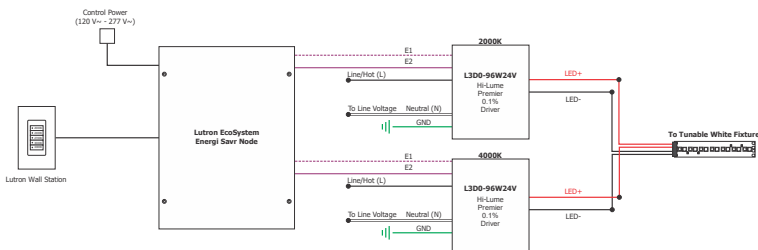
### WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



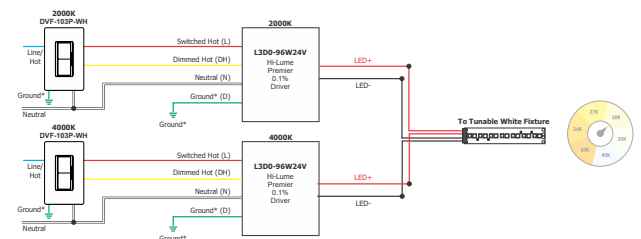
### WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



### WIRING DIAGRAM: 2-Wire EcoSystem Panel



### WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



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

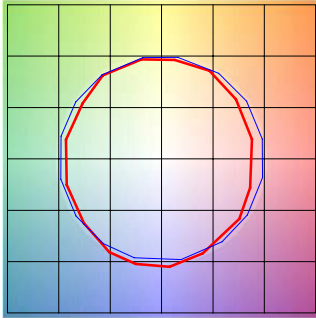
# SUSPENSION TM30 DATA

DESIGN YOUR OWN STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

**TM-30-15 DATA:** The data below is for SS5C bare LED Soft Strips. 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.

**2200K** | Rf: 83.9 | Rg: 94.9

Color Vector Graphic

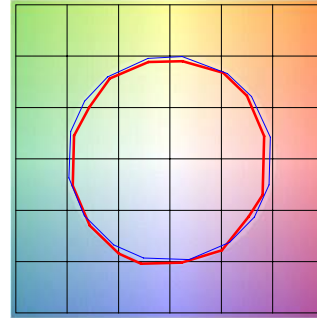


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 77.6 | -10.0% | 1.8%   |
| 2                | 80.7 | -7.5%  | 7.0%   |
| 3                | 79.5 | -2.9%  | 8.9%   |
| 4                | 90.5 | -3.1%  | 2.4%   |
| 5                | 93.9 | -1.3%  | 1.9%   |
| 6                | 91.9 | -0.9%  | -0.2%  |
| 7                | 87.6 | -6.3%  | -2.7%  |
| 8                | 90.5 | -5.4%  | 2.7%   |
| 9                | 83.8 | -4.7%  | 6.5%   |
| 10               | 81.2 | -2.5%  | 10.0%  |
| 11               | 83.3 | 3.9%   | 9.4%   |
| 12               | 86.4 | 5.6%   | 2.6%   |
| 13               | 86.2 | 4.5%   | -12.4% |
| 14               | 64.3 | -1.0%  | -21.9% |
| 15               | 85.1 | -4.4%  | -7.5%  |
| 16               | 75.0 | -9.9%  | -12.0% |

**2700K** | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

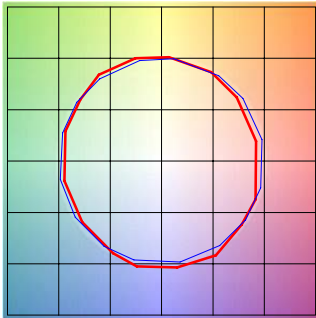


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 86.4 | -5.6%  | 2.3%   |
| 2                | 89.7 | -3.3%  | 3.1%   |
| 3                | 90.5 | -1.5%  | 3.8%   |
| 4                | 90.0 | -4.3%  | 1.1%   |
| 5                | 92.9 | -3.7%  | 0.2%   |
| 6                | 93.5 | -2.5%  | -0.8%  |
| 7                | 86.3 | -7.2%  | 2.5%   |
| 8                | 90.7 | -4.0%  | 3.2%   |
| 9                | 85.2 | -2.4%  | 8.1%   |
| 10               | 81.7 | 0.9%   | 10.8%  |
| 11               | 85.4 | 4.5%   | 8.9%   |
| 12               | 88.7 | 5.7%   | -1.4%  |
| 13               | 88.3 | 1.3%   | -7.9%  |
| 14               | 85.1 | 2.4%   | -10.4% |
| 15               | 88.1 | -4.8%  | -2.7%  |
| 16               | 81.7 | -4.3%  | -10.9% |

**3000K** | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

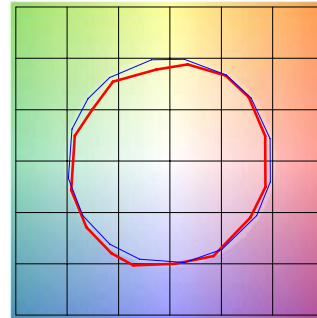


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 87.7 | -5.9%  | -0.3%  |
| 2                | 87.9 | -4.4%  | 4.3%   |
| 3                | 82.9 | -1.2%  | 7.9%   |
| 4                | 89.9 | 0.6%   | 4.7%   |
| 5                | 92.7 | 3.0%   | 3.5%   |
| 6                | 92.7 | 3.6%   | -1.7%  |
| 7                | 90.8 | -1.3%  | -4.4%  |
| 8                | 93.7 | -2.5%  | -2.2%  |
| 9                | 91.7 | -3.7%  | 2.3%   |
| 10               | 85.5 | -2.8%  | 7.8%   |
| 11               | 83.3 | 0.7%   | 11.0%  |
| 12               | 86.4 | 5.5%   | 3.8%   |
| 13               | 90.6 | 4.6%   | -3.6%  |
| 14               | 85.6 | 5.9%   | -8.4%  |
| 15               | 89.5 | -0.6%  | -5.7%  |
| 16               | 82.6 | -2.7%  | -12.0% |

**3500K** | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

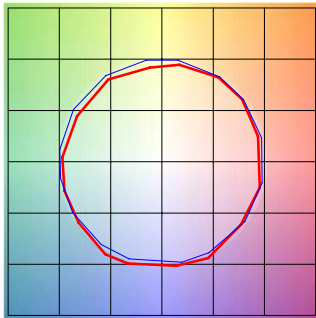


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 91.7 | -1.4%  | 1.8%   |
| 2                | 94.9 | -0.7%  | 0.4%   |
| 3                | 87.9 | -4.5%  | -4.1%  |
| 4                | 85.9 | -10.3% | -2.7%  |
| 5                | 89.8 | -5.2%  | -0.4%  |
| 6                | 79.6 | -9.5%  | 6.5%   |
| 7                | 87.6 | -4.0%  | 5.7%   |
| 8                | 81.4 | -0.5%  | 11.8%  |
| 9                | 78.3 | 3.3%   | 11.4%  |
| 10               | 85.7 | 6.3%   | 6.1%   |
| 11               | 86.3 | 7.1%   | -4.6%  |
| 12               | 86.1 | -0.7%  | -9.6%  |
| 13               | 85.1 | 0.8%   | -10.4% |
| 14               | 83.4 | -4.1%  | -5.3%  |
| 15               | 82.5 | -3.6%  | -5.7%  |
| 16               | 82.5 | -3.6%  | -5.7%  |

**4000K** | Rf: 87.6 | Rg: 96.8

Color Vector Graphic

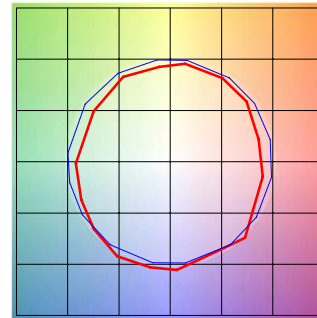


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 89.0 | -3.1%  | 2.1%  |
| 2                | 93.2 | -0.9%  | 1.3%  |
| 3                | 94.3 | -1.1%  | 0.7%  |
| 4                | 89.5 | -4.0%  | -2.3% |
| 5                | 87.6 | -7.8%  | -1.8% |
| 6                | 92.2 | -4.6%  | 0.1%  |
| 7                | 87.4 | -6.6%  | 3.6%  |
| 8                | 85.7 | -3.8%  | 7.0%  |
| 9                | 81.5 | -1.3%  | 12.4% |
| 10               | 80.0 | 0.9%   | 11.4% |
| 11               | 83.3 | 5.9%   | 8.7%  |
| 12               | 89.7 | 4.8%   | -0.3% |
| 13               | 88.5 | 2.4%   | -6.3% |
| 14               | 92.7 | 4.0%   | -3.8% |
| 15               | 86.1 | -1.6%  | -4.5% |
| 16               | 85.0 | -1.4%  | -5.0% |

**5700K** | Rf: 80.3 | Rg: 91.5

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 73.8 | -11.2% | 2.6%   |
| 2                | 83.7 | -5.5%  | 5.8%   |
| 3                | 84.2 | -4.0%  | 5.5%   |
| 4                | 85.8 | -3.5%  | 1.3%   |
| 5                | 85.3 | -7.1%  | 0.6%   |
| 6                | 89.2 | -5.8%  | -2.2%  |
| 7                | 81.5 | -10.7% | 1.2%   |
| 8                | 75.7 | -9.7%  | 8.5%   |
| 9                | 74.9 | -7.8%  | 18.8%  |
| 10               | 67.8 | -1.6%  | 18.0%  |
| 11               | 76.1 | 5.5%   | 12.0%  |
| 12               | 90.8 | 4.9%   | -1.6%  |
| 13               | 83.6 | 5.0%   | -9.5%  |
| 14               | 81.7 | -1.2%  | -10.0% |
| 15               | 69.0 | 2.0%   | -22.8% |
| 16               | 83.2 | -8.5%  | -1.0%  |

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



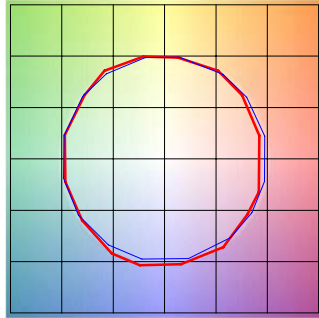
# SUSPENSION TM30 DATA

DESIGN YOUR OWN STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

**TM-30-15 DATA:** The data below is for SS5C bare LED Soft Strips. 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.

**2700D** | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

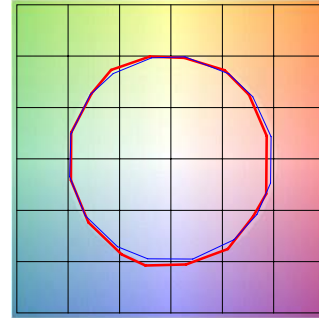


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 88.8 | -5.1%  | 1.4%   |
| 2                | 89.8 | -2.7%  | 4.1%   |
| 3                | 87.2 | 0.3%   | 5.9%   |
| 4                | 92.3 | -0.9%  | 1.0%   |
| 5                | 93.3 | 1.5%   | 1.7%   |
| 6                | 92.4 | 3.6%   | -0.2%  |
| 7                | 92.2 | -0.9%  | -2.4%  |
| 8                | 96.7 | -0.4%  | -1.1%  |
| 9                | 92.3 | -1.2%  | 3.7%   |
| 10               | 88.9 | -0.0%  | 6.1%   |
| 11               | 86.4 | 5.1%   | 7.4%   |
| 12               | 88.2 | 6.3%   | -0.9%  |
| 13               | 87.2 | 3.8%   | -8.1%  |
| 14               | 84.2 | 3.8%   | -11.0% |
| 15               | 89.8 | -2.6%  | -4.3%  |
| 16               | 82.7 | -3.4%  | -11.1% |

**3000D** | Rf: 89.8 | Rg: 101.4

Color Vector Graphic

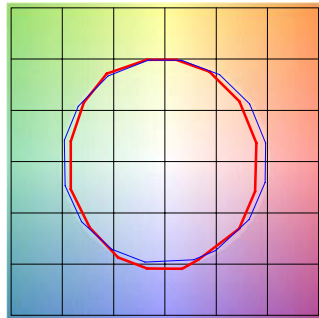


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 90.2 | -4.2%  | 1.5%   |
| 2                | 90.9 | -2.0%  | 3.7%   |
| 3                | 87.9 | 0.8%   | 5.5%   |
| 4                | 92.1 | -0.9%  | 0.6%   |
| 5                | 93.0 | 1.5%   | 1.6%   |
| 6                | 92.2 | 3.9%   | -0.2%  |
| 7                | 92.1 | -0.3%  | -2.0%  |
| 8                | 96.7 | 0.0%   | -1.2%  |
| 9                | 92.5 | -0.6%  | 3.7%   |
| 10               | 88.3 | 1.1%   | 7.0%   |
| 11               | 87.2 | 4.1%   | 7.4%   |
| 12               | 87.2 | 6.7%   | -1.0%  |
| 13               | 88.2 | 3.8%   | -7.2%  |
| 14               | 85.3 | 4.3%   | -9.9%  |
| 15               | 90.9 | -2.2%  | -3.6%  |
| 16               | 83.4 | -2.2%  | -11.2% |

**2000K ONLY (2K4K)** | Rf: 84.3 | Rg: 96.9

Color Vector Graphic

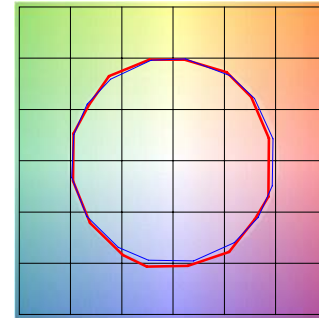


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 80.3 | -8.9%  | 1.7%   |
| 2                | 79.7 | -7.0%  | 7.8%   |
| 3                | 78.9 | -2.9%  | 10.0%  |
| 4                | 89.5 | -0.5%  | 5.1%   |
| 5                | 94.4 | 0.7%   | 1.7%   |
| 6                | 92.1 | 2.4%   | -0.3%  |
| 7                | 89.4 | -2.4%  | -5.9%  |
| 8                | 89.7 | -6.4%  | -0.2%  |
| 9                | 86.0 | -4.9%  | 4.6%   |
| 10               | 81.8 | -3.4%  | 9.3%   |
| 11               | 83.1 | 3.3%   | 9.7%   |
| 12               | 85.8 | 5.6%   | 3.3%   |
| 13               | 85.6 | 6.2%   | -12.8% |
| 14               | 61.7 | -1.9%  | -19.0% |
| 15               | 79.7 | -3.3%  | -12.9% |
| 16               | 78.1 | -7.9%  | -10.6% |

**3000K (2K4K)** | Rf: 90.2 | Rg: 101.4

Color Vector Graphic

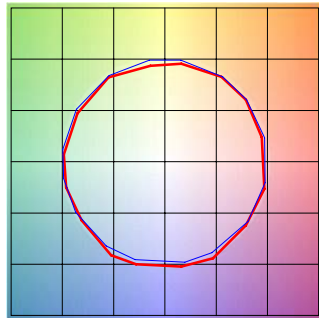


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 90.9 | -3.8%  | 1.3%   |
| 2                | 91.7 | -1.9%  | 3.3%   |
| 3                | 88.7 | 0.7%   | 5.1%   |
| 4                | 92.4 | -1.0%  | 0.7%   |
| 5                | 92.9 | 0.9%   | 1.7%   |
| 6                | 93.1 | 3.3%   | -0.6%  |
| 7                | 91.0 | -1.8%  | -0.4%  |
| 8                | 97.0 | 0.2%   | -1.1%  |
| 9                | 92.8 | -0.5%  | 3.6%   |
| 10               | 88.3 | 1.0%   | 7.0%   |
| 11               | 87.1 | 3.8%   | 7.8%   |
| 12               | 87.6 | 6.5%   | -0.3%  |
| 13               | 89.3 | 3.6%   | -6.3%  |
| 14               | 86.1 | 4.5%   | -9.1%  |
| 15               | 91.6 | -1.9%  | -3.1%  |
| 16               | 83.8 | -1.5%  | -11.2% |

**4000K ONLY (2K4K)** | Rf: 89.6 | Rg: 99.1

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 91.3 | -2.5%  | 1.0%  |
| 2                | 95.3 | -0.5%  | 0.5%  |
| 3                | 94.3 | -0.7%  | 1.1%  |
| 4                | 91.1 | -3.4%  | -1.1% |
| 5                | 89.5 | -5.6%  | 0.0%  |
| 6                | 94.6 | -1.4%  | 1.3%  |
| 7                | 93.2 | -3.0%  | 2.6%  |
| 8                | 91.3 | -1.8%  | 4.6%  |
| 9                | 86.5 | -0.9%  | 9.1%  |
| 10               | 83.3 | -0.5%  | 9.5%  |
| 11               | 83.3 | 4.9%   | 9.0%  |
| 12               | 89.7 | 4.1%   | 1.7%  |
| 13               | 90.1 | 3.6%   | -4.3% |
| 14               | 93.4 | 5.2%   | -2.1% |
| 15               | 87.4 | 0.4%   | -4.3% |
| 16               | 86.6 | 0.4%   | -6.1% |

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