

# GLIDE WOOD DOWNLIGHT SUSPENSION

## CENTER FEED, DYNAMIC TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 01.18.21



Wood Cherry

### DESCRIPTION

Glide Wood Downlight with Dynamic/Tunable White is a linear LED Suspension that produces a clean Direct beam of illumination through a Diffused White 100° lens. Housed within Genuine hand-finished Hardwood, each suspension has it's own unique characteristics. Dynamic Tunable White technology grants independent control for adjusting color temperature and brightness. The **2K4K** option provides a range of 2000K (Amber) through 4000K (Neutral White), ideal for residential and hospitality settings. The **27K6** option ranges from 2700K (Warm White) through 6500K (Cool White), suitable for healthcare, education, office and other commercial applications. Requires Two dimmers or, use our proprietary Tunable White Controller for fast and accurate adjustment and three pre-set scenes (CDMX1 Ordered separately). Support health, performance, and overall well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle. Glide Wood Downlight is available in 8 standard lengths, with your choice of 5 Genuine Wood Finishes. Add White or Black louvers for additional diffusion or optional Fast Jack 12V Port Canopy (**C1**) for mounting Fast Jack fixtures to easily accommodate a variety of moods and tasks. Order **GLUDP** with power supplies included in the canopy or **GLUDR** remote power supplies, sold separately. Fixture includes a 5 year pro-rated warranty. For custom designs and quotes, send drawings to [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

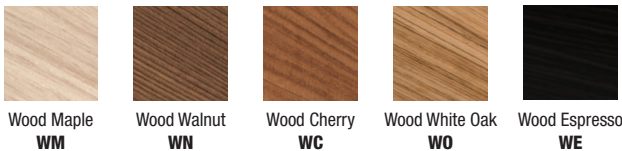
### INSTALLATION

- Optional Fast Jack ELV 12VAC port (**C1**) for mounting Fast Jack 12VAC fixtures on the canopy, off center of canopy
- Includes a 12" Rectangular Canopy used for sizes 36"-96", or a 26" Rectangular Canopy is used for sizes 99"-120"
- Includes adjustable 12ft coaxial cables (fixtures exceeding 72" come with additional aircraft cables)

### APPLICATIONS

Designed for indoor use only. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

### FINISHES



\*Wood finishes are authentic natural products, exact color and grain may vary. If you are trying to match an existing material, please contact us for a finish sample. We are able to accommodate some requests to pair our wood finishes with COM.

### ELECTRICAL

|                    |                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Voltage:     | 120VAC - 277VAC                                                                                                                                                               |
| <b>GLDP:</b>       | 120V/24V 2x Uni-Drivers. Optional Fast Jack Power Supply; 12VAC electronic low voltage LED power supply.                                                                      |
| <b>GLDR:</b>       | Remote Power Supply Options:                                                                                                                                                  |
| Output Voltage:    | 24VDC Class 2 wiring, 2x Universal Remote Power Supplies (Ordered Separately, see pages 5-8). Optional Fast Jack Power Supply; 12VAC electronic low voltage LED power supply. |
| Dimming*:          | Universal Dimming (TRIAC, ELV, 0-10V), Lutron Hi-Lume®, DALI or DMX pgs 5-8                                                                                                   |
|                    | *Dimmers are not included                                                                                                                                                     |
| Power Consumed:    | 5 and 10 watts per foot                                                                                                                                                       |
| Lumen Performance: | At 3000K; 5 Watts: 302 Lm/Ft, 10 Watts: 599 Lm/Ft                                                                                                                             |
| Lens               | Diffused White 100° lens; optional black or white louvers                                                                                                                     |

### LAMPING

- Dynamic/Tunable White allows you to pick any color temperature from 2000K-4000K or 2700K-6500K and to control any brightness or dim level (requires Two dimmers, one for 2000K/2700K and one for 4000K/6500K, Ordered Separately)
- 60,000 Hour Lamp Life
- 95+ CRI

### APPROVALS

Damp Location, ETL Listed, Class 2 wiring, Title 24 with Universal Power Supply, 0-10V or Lutron power supplies, Made in America



Wood Cherry C1 Canopy off center, shown with FJ Piston in Satin Nickel (FJ Piston sold separately)

| System                                                        | Wattage Per Foot    | Power Feed                                | Nominal Size (L)              | Color Temperature                     | Wood Finish              |
|---------------------------------------------------------------|---------------------|-------------------------------------------|-------------------------------|---------------------------------------|--------------------------|
| <b>GLDR</b>                                                   | <b>5W</b>           | <b>C</b>                                  | <b>36</b>                     | <b>2K4K</b>                           | <b>WM</b>                |
| <b>GLDR</b> Glide Downlight, Remote Power*                    | <b>5W</b> 5 Watts   | <b>C</b> Center Feed                      | <b>STANDARD SIZES</b>         | <b>2K4K</b> Tunable White 2000K-4000K | <b>WM</b> Wood Maple     |
| <b>GLDBR</b> Glide Downlight with Black Louver, Remote Power* | <b>10W</b> 10 Watts | <b>C1</b> Center Feed with Fast Jack Port | <b>36</b> 36" <b>84</b> 84"   | <b>27K6</b> Tunable White 2700K-6500K | <b>WN</b> Wood Walnut    |
| <b>GLDWR</b> Glide Downlight with White Louver, Remote Power* |                     |                                           | <b>48</b> 48" <b>96</b> 96"   |                                       | <b>WC</b> Wood Cherry    |
| <b>GLDP</b> Glide Downlight, Power                            |                     |                                           | <b>60</b> 60" <b>108</b> 108" |                                       | <b>WO</b> Wood White Oak |
| <b>GLDBP</b> Glide Downlight with Black Louver, Power         |                     |                                           | <b>72</b> 72" <b>120</b> 120" |                                       | <b>WE</b> Wood Espresso  |
| <b>GLDWP</b> Glide Downlight with White Louver, Power         |                     |                                           |                               |                                       |                          |

\*Remote Power Supplies are Required and Ordered Separately

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

# GLIDE WOOD DOWNLIGHT SUSPENSION

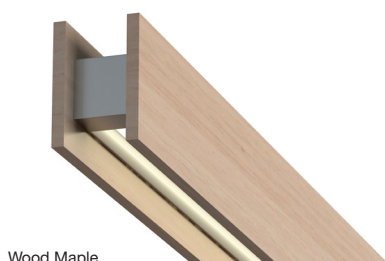
## CENTER FEED, DYNAMIC TUNABLE WHITE

### NOMINAL LAMP DATA: Lamp data for the Glide Wood Downlight Center Feed

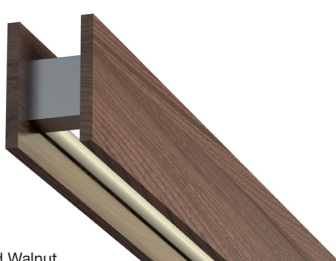
| GLDR                    |                          |     |     |     |     |     |     |                        |     |     |     |     |     |     |                       |     |     |     |     |     |     |                        |     |     |     |     |     |     |
|-------------------------|--------------------------|-----|-----|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----|
| DESCRIPTION             | 100° Diffused White Lens |     |     |     |     |     |     |                        |     |     |     |     |     |     |                       |     |     |     |     |     |     |                        |     |     |     |     |     |     |
| WATTS PER FOOT          | 2K4K - 5W (4.6 watts)    |     |     |     |     |     |     | 2K4K - 10W (9.6 watts) |     |     |     |     |     |     | 27K6 - 5W (4.6 watts) |     |     |     |     |     |     | 27K6 - 10W (9.6 watts) |     |     |     |     |     |     |
| COLOR TEMPERATURE       | 20K                      | 22K | 24K | 27K | 30K | 35K | 40K | 20K                    | 22K | 24K | 27K | 30K | 35K | 40K | 27K                   | 30K | 35K | 40K | 45K | 57K | 65K | 27K                    | 30K | 35K | 40K | 45K | 57K | 65K |
| LUMENS PER FOOT (lm/ft) | 235                      | 247 | 259 | 271 | 296 | 308 | 320 | 410                    | 451 | 492 | 575 | 599 | 612 | 544 | 294                   | 302 | 311 | 320 | 308 | 304 | 295 | 558                    | 574 | 591 | 608 | 585 | 579 | 560 |
| LUMENS PER WATT (lm/w)  | 59                       | 54  | 56  | 59  | 64  | 67  | 80  | 51                     | 53  | 56  | 60  | 65  | 67  | 68  | 74                    | 76  | 76  | 75  | 75  | 76  | 75  | 70                     | 62  | 64  | 66  | 64  | 63  | 70  |
| CRI                     | 83+                      | 83+ | 92+ | 92+ | 92+ | 94+ | 94+ | 83+                    | 83+ | 92+ | 92+ | 92+ | 94+ | 94+ | 93+                   | 93+ | 94+ | 94+ | 94+ | 93+ | 93+ | 93+                    | 93+ | 94+ | 94+ | 94+ | 93+ | 93+ |

| GLDBR                   |                                            |     |     |     |     |     |     |     |                        |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |                        |     |     |     |  |  |  |  |
|-------------------------|--------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|------------------------|-----|-----|-----|--|--|--|--|
| DESCRIPTION             | 100° Diffused White Lens with Black Louver |     |     |     |     |     |     |     |                        |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |                        |     |     |     |  |  |  |  |
| WATTS PER FOOT          | 2K4K - 5W (4.6 watts)                      |     |     |     |     |     |     |     | 2K4K - 10W (9.6 watts) |     |     |     |     |     |     |     | 27K6 - 5W (4.6 watts) |     |     |     |     |     |     |     | 27K6 - 10W (9.6 watts) |     |     |     |  |  |  |  |
| COLOR TEMPERATURE       | 20K                                        | 22K | 24K | 27K | 30K | 35K | 40K | 20K | 22K                    | 24K | 27K | 30K | 35K | 40K | 27K | 30K | 35K                   | 40K | 45K | 57K | 65K | 27K | 30K | 35K | 40K                    | 45K | 57K | 65K |  |  |  |  |
| LUMENS PER FOOT (lm/ft) | 103                                        | 108 | 113 | 119 | 130 | 135 | 140 | 179 | 198                    | 216 | 252 | 262 | 268 | 238 | 129 | 132 | 136                   | 140 | 135 | 133 | 129 | 244 | 251 | 259 | 266                    | 256 | 253 | 245 |  |  |  |  |
| LUMENS PER WATT (lm/w)  | 26                                         | 24  | 25  | 26  | 28  | 29  | 35  | 22  | 23                     | 24  | 26  | 29  | 29  | 30  | 32  | 33  | 33                    | 33  | 33  | 33  | 33  | 31  | 27  | 28  | 29                     | 28  | 28  | 31  |  |  |  |  |
| CRI                     | 83+                                        | 83+ | 92+ | 92+ | 92+ | 94+ | 94+ | 83+ | 83+                    | 92+ | 92+ | 92+ | 94+ | 94+ | 93+ | 93+ | 94+                   | 94+ | 94+ | 93+ | 93+ | 93+ | 94+ | 94+ | 94+                    | 94+ | 93+ | 93+ |  |  |  |  |

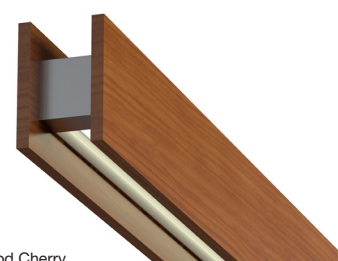
| GLDWR                   |                                            |     |     |     |     |     |     |                        |     |     |     |     |     |     |                       |     |     |     |     |     |     |                        |     |     |     |     |     |     |  |
|-------------------------|--------------------------------------------|-----|-----|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----|--|
| DESCRIPTION             | 100° Diffused White Lens with White Louver |     |     |     |     |     |     |                        |     |     |     |     |     |     |                       |     |     |     |     |     |     |                        |     |     |     |     |     |     |  |
| WATTS PER FOOT          | 2K4K - 5W (4.6 watts)                      |     |     |     |     |     |     | 2K4K - 10W (9.6 watts) |     |     |     |     |     |     | 27K6 - 5W (4.6 watts) |     |     |     |     |     |     | 27K6 - 10W (9.6 watts) |     |     |     |     |     |     |  |
| COLOR TEMPERATURE       | 20K                                        | 22K | 24K | 27K | 30K | 35K | 40K | 20K                    | 22K | 24K | 27K | 30K | 35K | 40K | 27K                   | 30K | 35K | 40K | 45K | 57K | 65K | 27K                    | 30K | 35K | 40K | 45K | 57K | 65K |  |
| LUMENS PER FOOT (lm/ft) | 164                                        | 173 | 181 | 190 | 207 | 216 | 224 | 287                    | 316 | 345 | 403 | 419 | 429 | 381 | 206                   | 212 | 218 | 224 | 216 | 213 | 206 | 391                    | 402 | 414 | 426 | 410 | 405 | 392 |  |
| LUMENS PER WATT (lm/w)  | 41                                         | 38  | 39  | 41  | 45  | 47  | 56  | 36                     | 37  | 39  | 42  | 46  | 47  | 48  | 52                    | 53  | 53  | 52  | 52  | 53  | 52  | 49                     | 44  | 45  | 46  | 45  | 44  | 49  |  |
| CRI                     | 83+                                        | 83+ | 92+ | 92+ | 92+ | 94+ | 94+ | 83+                    | 83+ | 92+ | 92+ | 92+ | 94+ | 94+ | 93+                   | 93+ | 94+ | 94+ | 94+ | 93+ | 93+ | 93+                    | 93+ | 94+ | 94+ | 94+ | 93+ | 93+ |  |



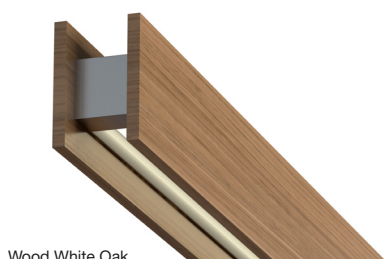
Wood Maple



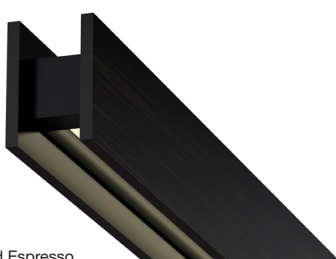
Wood Walnut



Wood Cherry



Wood White Oak



Wood Espresso

### LENGTH CHART Actual lengths for Glide Wood Downlight Dynamic Tunable White Channel

|                              |               | 5W                                                                                                                      |                     |                                                                                 |                    | 10W                                                                                                                     |                     |                                                                                 |                    |
|------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------|--------------------|
|                              |               | WITH TWO DIMMERS: YOU NEED TWO UNI DRIVER POWER SUPPLIES, ONE FOR 2000K/2700K AND ONE FOR 4000K/6500K (SEE PAGES BELOW) |                     | DMX POWER AND CDMX CONTROLLER: YOU NEED ONE POWER SUPPLY ONLY (SEE PAGES BELOW) |                    | WITH TWO DIMMERS: YOU NEED TWO UNI DRIVER POWER SUPPLIES, ONE FOR 2000K/2700K AND ONE FOR 4000K/6500K (SEE PAGES BELOW) |                     | DMX POWER AND CDMX CONTROLLER: YOU NEED ONE POWER SUPPLY ONLY (SEE PAGES BELOW) |                    |
| ORDERING CODE (NOMINAL SIZE) | ACTUAL LENGTH | TUNABLE @ 5 WATTS PER FT                                                                                                | POWER SUPPLY        | POWER SUPPLY                                                                    | POWER SUPPLY       | TUNABLE @ 10 WATTS PER FT                                                                                               | POWER SUPPLY        | POWER SUPPLY                                                                    | POWER SUPPLY       |
| 36                           | 36            | 15                                                                                                                      | PSB-2x40W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 30                                                                                                                      | PSB-2x40W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 48                           | 48            | 20                                                                                                                      | PSB-2x40W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 40                                                                                                                      | PSB-2x60W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 60                           | 60            | 25                                                                                                                      | PSB-2x40W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 50                                                                                                                      | PSB-2x60W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 72                           | 72            | 30                                                                                                                      | PSB-2x40W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 60                                                                                                                      | PSB-2x96W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 84                           | 84            | 35                                                                                                                      | PSB-2x40W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 70                                                                                                                      | PSB-2x96W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 96                           | 96            | 40                                                                                                                      | PSB-2x60W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 80                                                                                                                      | PSB-2x96W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 108                          | 108           | 45                                                                                                                      | PSB-2x60W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 90                                                                                                                      | PSB-2x96W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |
| 120*                         | 120           | 50                                                                                                                      | PSB-2x60W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK | 100                                                                                                                     | PSB-2x96W-UNI-24VDC | PSB-100W-24VDC-2XK                                                              | PSB-100W-24VDC-2XK |

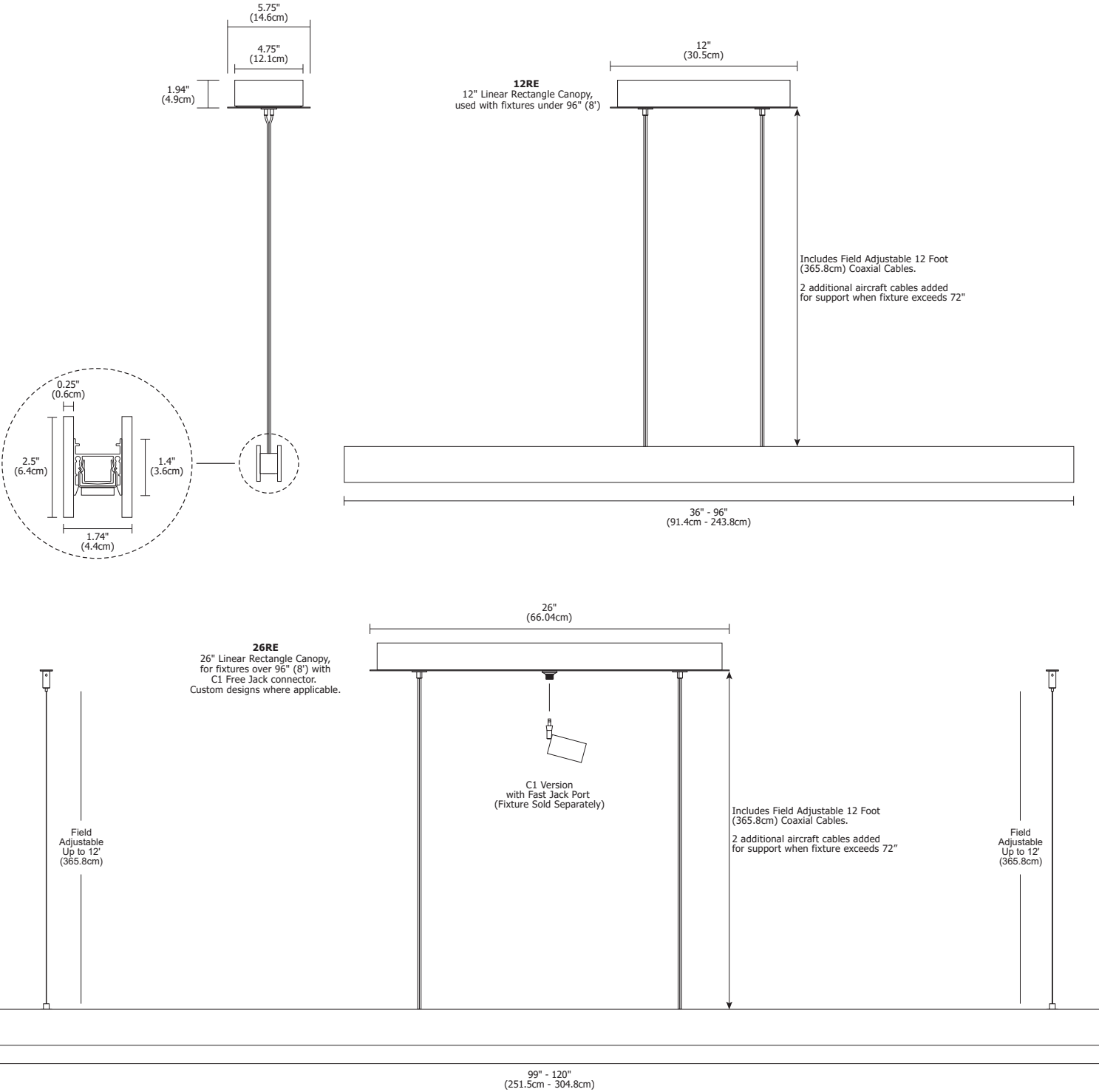
\*Maximum Shipping Length

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

# GLIDE WOOD DOWNLIGHT SUSPENSION

## CENTER FEED, DYNAMIC TUNABLE WHITE

**Drawings:** Canopy and Channel Sizes for the Glide Wood Downlight - Center Feed



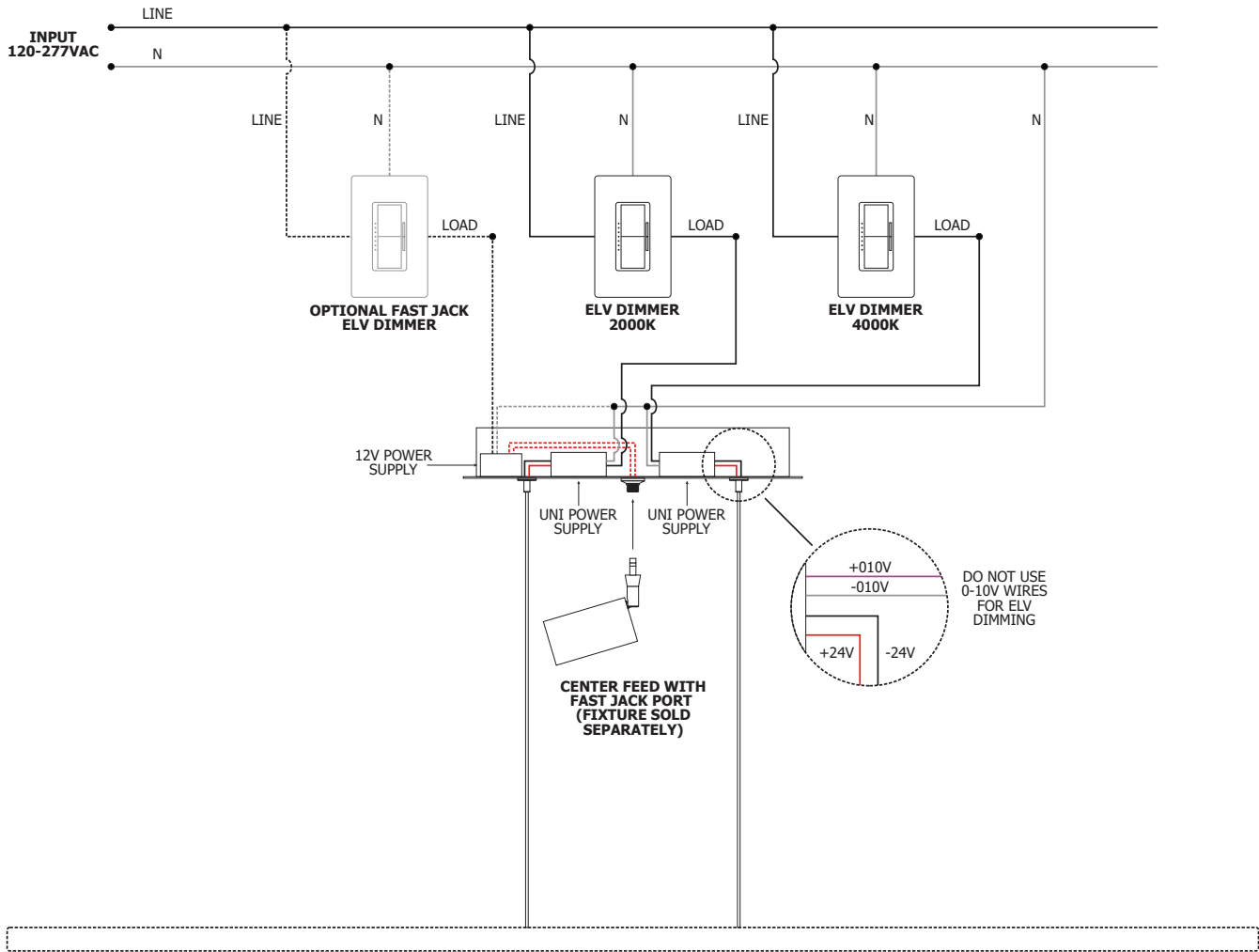
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|

# GLIDE WOOD DOWNLIGHT SUSPENSION

## CENTER FEED, DYNAMIC TUNABLE WHITE

**Wiring Diagram:** Wiring diagram for an ELV Dimmer

- Application:** ELV dimming for Glide Glass Up and Downlight, Center Feed Canopy with Fast Jack Port (C1)
- Dimming:** Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2



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

# UNI INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC UNIVERSAL DIMMING WITH ELV, 0-10V, TRIAC | DYNAMIC TUNABLE WHITE TECHNOLOGY

## UNIVERSAL POWER SUPPLIES & COMPATIBLE DIMMERS<sup>†</sup>

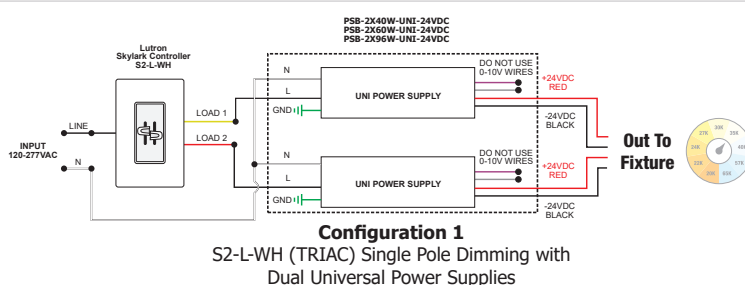
| ORDERING CODE                       | PSB-2X40W-UNI-24VDC    | PSB-2X60W-UNI-24VDC    | PSB-2X96W-UNI-24VDC    | PSB-4X96W-UNI-24VDC |
|-------------------------------------|------------------------|------------------------|------------------------|---------------------|
|                                     |                        |                        |                        |                     |
| <b>SPECIFICATIONS</b>               |                        |                        |                        |                     |
| <b>MAXIMUM LOAD</b>                 | 2X40W                  | 2X60W                  | 2X96W                  | 4X96W               |
| <b>INPUT VOLTAGE</b>                | 120-277VAC             | 120-277VAC             | 120-277VAC             | 120-277VAC          |
| <b>OUTPUT VOLTAGE</b>               | 24VDC                  | 24VDC                  | 24VDC                  | 24VDC               |
| <b>DIMENSIONS</b>                   | 12.15" X 6.48" X 2.18" | 12.15" X 6.48" X 2.18" | 12.15" X 6.48" X 2.18" | 17" X 13" X 3"      |
| <b>CLASSIFICATION</b>               | CLASS 2                | CLASS 2                | CLASS 2                | CLASS 2             |
| <b>IN-WALL MOUNTING</b>             | PSB-2X40W-UNI-24VDC-IW | PSB-2X60W-UNI-24VDC-IW | PSB-2X96W-UNI-24VDC-IW | 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 GRAFIK 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 DVLV-600P-WH                 | •                      | •                      | •                      | •                   |
| LUTRON DVLV-603P-WH                 | •                      | •                      | •                      | •                   |
| LUTRON MALV-600-WH                  | •                      | •                      | •                      | •                   |
| LUTRON MALV-1000-WH                 | •                      | •                      | •                      | •                   |
| LUTRON 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

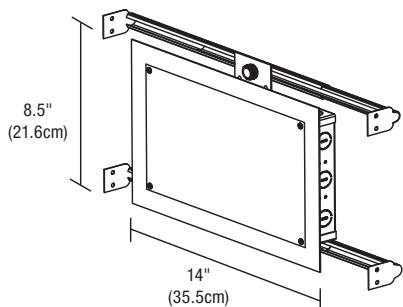
- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
  - Triac Dimmer: (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
  - ELV Dimmer: (Reverse Phase) Dimming of Electronic Low Voltage Transformers 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.

## MAXIMUM LENGTH

| POWER SUPPLY        | 5 WATTS | 10 WATTS |
|---------------------|---------|----------|
| PSB-2X40W-UNI-24VDC | 8 FEET  | 4 FEET   |
| PSB-2X60W-UNI-24VDC | 12 FEET | 6 FEET   |
| PSB-2X96W-UNI-24VDC | 20 FEET | 10 FEET  |



## 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.

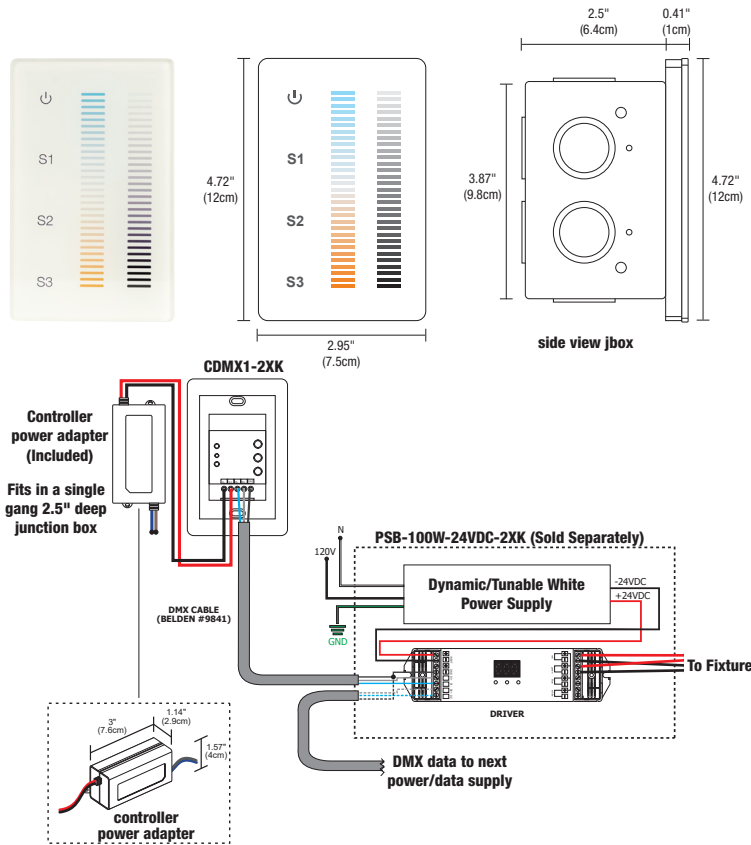
**Ordering Codes 8.5 x 14.25 inch:** PSB-2X40W-UNI-24VDC-IW, PSB-2X60W-UNI-24VDC-IW, PSB-2X96W-UNI-24VDC-IW

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

# DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES

24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS

REV 01.18.21



## DESCRIPTION:

The Dynamic/Tunable White (**2K4K or 27K6**) Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. Designed for Dynamic/Tunable White, and dual-color LED installations within a single zone. The two Vertical Touch sliders are precise and sensitive, allowing you to fine-tune your perfect Color Temperature at any point between **2000K** (Sunset) to **4000K** (Cool White) or from **2700K** (Incandescent White) to **6500K** (Daylight White) while selecting over 250 levels of Brightness in a smooth, uninterrupted transition. Create Thousands of Dynamic White Color Combinations while maintaining even Brightness and overall saturation. Easily save three pre-set scenes for different times of the day. Support health, performance, and general well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle using the latest in LED technology. Includes a power adapter that fits behind the controller within a standard junction box and fits inside a standard single-gang receptacle (not for use in a multi-gang box). Use with an insulated, 24 AWG stranded, tinned copper wire (Belden #9841). Power Supplies are Sold Separately. Includes a 5 year pro-rated warranty.

## APPLICATIONS:

Indoor

## OUTPUT SIGNAL:

USITT DMX 512 (1990)

## INSTALLATION:

Fits in a single gang 2.5 inch deep junction box. Not compatible with multi-gang boxes.

## LABELS:

ROHS, FCC, Damp Location, ETL/UL

## POWER INPUT:

120-240VAC

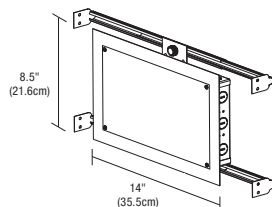
| Product                                | Type              | Finish    |
|----------------------------------------|-------------------|-----------|
| <b>CDMX1</b>                           | <b>2XK</b>        | <b>WH</b> |
| CDMX1 DMX Single Zone Touch Controller | 2XK Tunable White | WH White  |

| DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS* |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ORDERING CODE                                                          | PSB-100W-24VDC-2XK                                                                  | PSB-2X100W-24VDC-2XK                                                                | PSB-3X100W-24VDC-2XK                                                                 | PSB-4X100W-24VDC-2XK                                                                  |
|                                                                        |  |  |  |  |
| SPECIFICATIONS                                                         |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| MAXIMUM LOAD OF LED STRIP LENGTH                                       | 100W<br>5 WATTS - 20FT MAX.<br>10 WATTS - 10FT MAX.                                 | 2X100W<br>5 WATTS 2 X 20FT MAX.<br>10 WATTS - 2 X 10FT MAX.                         | 3X100W<br>5 WATTS 3 X 20FT MAX.<br>10 WATTS - 3 X 10FT MAX.                          | 4X100W<br>5 WATTS 4 X 20FT MAX.<br>10 WATTS - 4 X 10FT MAX.                           |
| INPUT VOLTAGE                                                          | 120-277VAC                                                                          | 120-277VAC                                                                          | 120-277VAC                                                                           | 120-277VAC                                                                            |
| OUTPUT VOLTAGE                                                         | 24VDC                                                                               | 24VDC                                                                               | 24VDC                                                                                | 24VDC                                                                                 |
| DIMENSIONS                                                             | 12.4" X 6.48" X 2.18"                                                               | 14" X 10" X 3"                                                                      | 17" X 10" X 3"                                                                       | 17" X 10" X 3"                                                                        |
| CLASSIFICATION                                                         | CLASS 2                                                                             | CLASS 2                                                                             | CLASS 2                                                                              | CLASS 2                                                                               |
| IN-WALL MOUNTING                                                       | PSB-100W-24VDC-2XK-IW                                                               | NA                                                                                  | NA                                                                                   | NA                                                                                    |
| DMX DYNAMIC/TUNABLE WHITE DIMMING & CONTROLS                           |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)                             | •                                                                                   | •                                                                                   | •                                                                                    | •                                                                                     |

- 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

## IN WALL MOUNTING OPTIONS



**8.5 x 14 inch 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:** PSB-100W-24VDC-2XK-IW

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

# INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, LUTRON ECOSYSTEM

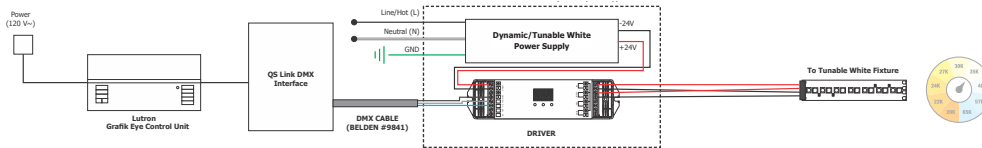
REV 01.18.21

Dynamic/Tunable White 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).

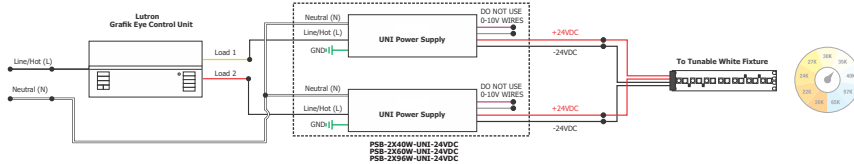
| LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®† |                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 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                                | •                                                                                 | •                                                                                  | •                                                                                   |

\*Tunable White Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies.

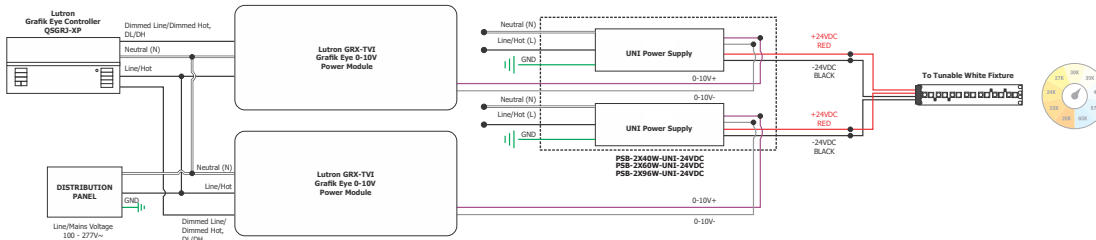
## WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit



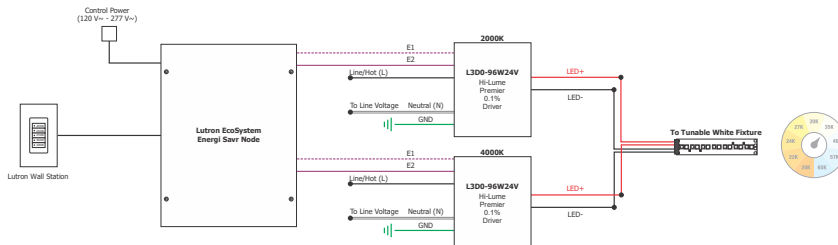
## WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



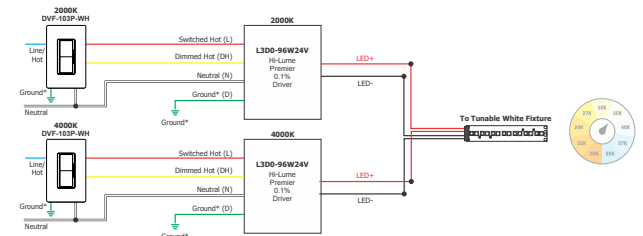
## WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



## WIRING DIAGRAM: 2-Wire EcoSystem Panel



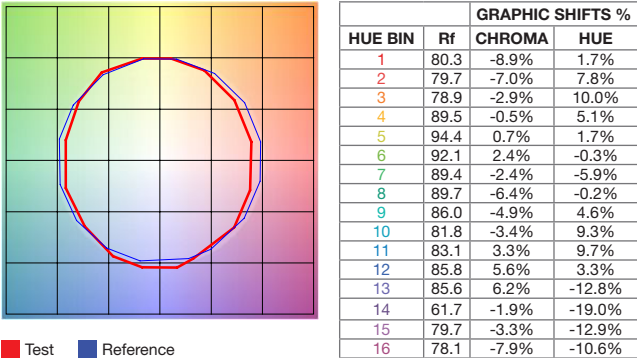
## WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



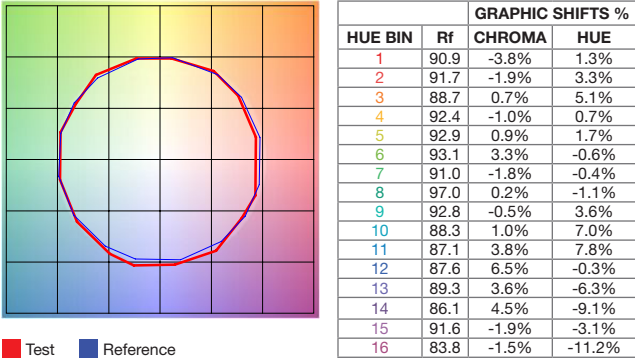
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|
|---------|--------------|------|

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.

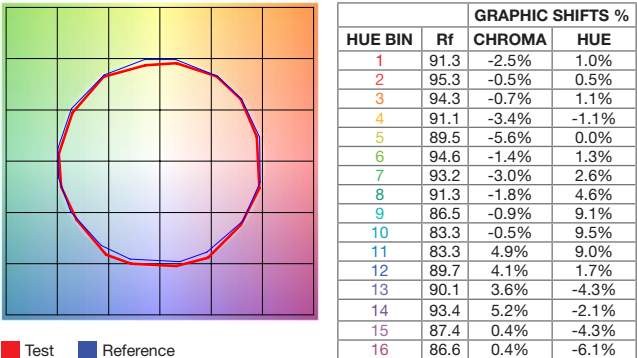
2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9
Color Vector Graphic



3000K ONLY (2K4K) | Rf: 90.2 | Rg: 101.4
Color Vector Graphic



4000K ONLY (2K4K) | Rf: 89.6 | Rg: 99.1
Color Vector Graphic



# GLIDE WOOD DOWNLIGHT SUSPENSION

## CENTER FEED, DYNAMIC TUNABLE WHITE

### FreeJack Heads



**FJ-SCO-1-PN**  
Fast Jack Scope LED  
9W, 315 lumens 3000K  
(adjustable beam spread  
from 20°-50°)  
Fixture Finishes: SN, PN, BZ, WH



**FJ-PST-SP-1-30K-SN**  
Fast Jack Piston  
9W, 650 lumens  
SP 15°, NF 25°, FL 35°  
& WF 45° Beam Spreads  
Fixture Finishes: SN, WH



**FJ-FOR-SQ-3-PN**  
**FJ-FOR-RD-3-PN**  
Fast Jack Form Round or Square  
Fixture Finishes: SN, PN



**FJ-FOR-2RD-3-SN**  
**FJ-FOR-2SQ-3-PN**  
Fast Jack Form  
Round or Square 2-Head  
Fixture Finishes: SN, PN



**FJ-REB-1-PN**  
Fast Jack Rebel  
Fixture Finishes: SN, PN, BZ, WH



**FJ-CHO-1-SN**  
Fast Jack Chopper with LED  
Fixture Finishes: SN, PN, BZ



**FJ-SPI-3-PN with S1-PN**  
Fast Jack Spirit, S1 Shade  
Fixture Finishes: SN, PN, BZ  
S1 Shade Finishes: SN, PN, BZ, BK



**FJ-LOW-1-SN with S1-SN**  
Fast Jack Low Rider, S1 Shade  
Fixture Finishes: SN, PN, BZ  
S1 Shade Finishes: SN, PN, BZ, BK

### FAST JACK FIXTURE & SHADE FINISHES

|           |              |           |                 |           |                |           |       |           |       |
|-----------|--------------|-----------|-----------------|-----------|----------------|-----------|-------|-----------|-------|
| <b>SN</b> | Satin Nickel | <b>PN</b> | Polished Nickel | <b>BZ</b> | Antique Bronze | <b>WH</b> | White | <b>BK</b> | Black |
|-----------|--------------|-----------|-----------------|-----------|----------------|-----------|-------|-----------|-------|

## 12VAC LED MR16

### SOL LIGHT WARM DIM

| Brand | Ordering Code           | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim        | Total Lumens | Lumens Per Watt | Voltage | Certification                                   | Halogen Equivalent |
|-------|-------------------------|-------|-----|----|----------------------|-------------------|---------------------|--------------|-----------------|---------|-------------------------------------------------|--------------------|
|       | MR16-12V-8W-FL-27KWD-SL | 8     | 97+ | 85 | 36                   | 30,000            | 2700K dims to 1800K | 427          | 55              | 12V     | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50                 |
|       | MR16-12V-8W-FL-30KWD-SL | 8     | 97+ | 85 | 36                   | 30,000            | 3000K dims to 1800K | 450          | 58              | 12V     | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50                 |
|       | MR16-12V-8W-NF-27KWD-SL | 8     | 97+ | 85 | 24                   | 30,000            | 2700K dims to 1800K | 390          | 50              | 12V     | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50                 |
|       | MR16-12V-8W-NF-30KWD-SL | 8     | 97+ | 85 | 24                   | 30,000            | 3000K dims to 1800K | 410          | 53              | 12V     | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50                 |

### SORAA BRILLIANT HIGH LUMEN 2700K COLOR TEMPERATURE

| Brand | Ordering Code       | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP  | Total Lumens | Lumens Per Watt | Voltage      | Certification                                                               | Halogen Equivalent |
|-------|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|-----------------------------------------------------------------------------|--------------------|
|       | SM16-07-10D-927-03* | 8     | 95  | 95 | 10                   | 35,000            | 5,710 | 390          | 52              | 12V +/- 1.2V | JAB-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-07-10D-930-03* | 8     | 95  | 95 | 10                   | 35,000            | 6,000 | 410          | 55              | 12V +/- 1.2V | JAB-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50                 |
|       | SM16-09-25D-927-03  | 9     | 95  | 95 | 25                   | 35,000            | 2,570 | 465          | 52              | 12V +/- 1.2V | JAB-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 60                 |
|       | SM16-09-25D-930-03  | 9     | 95  | 95 | 25                   | 35,000            | 2,700 | 490          | 54              | 12V +/- 1.2V | JAB-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 60                 |
|       | SM16-09-36D-927-03  | 9     | 95  | 95 | 36                   | 35,000            | 1,210 | 465          | 52              | 12V +/- 1.2V | JAB-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 60                 |
|       | SM16-09-36D-930-03  | 9     | 95  | 95 | 36                   | 35,000            | 1,280 | 490          | 54              | 12V +/- 1.2V | JAB-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 60                 |

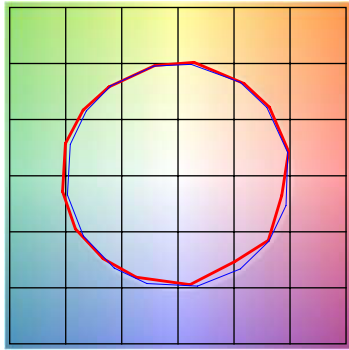
\*Use with Snap Lens

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

**SORAA VIVID MR16 36° FL**

**3000K** | Rf: 90.4 | Rg: 99.5

Color Vector Graphic



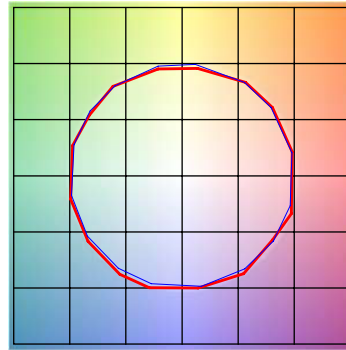
■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 94.4 | 1.0%             | 0.8%   |
| 2       | 94.6 | 2.1%             | -1.1%  |
| 3       | 91.9 | 1.1%             | -3.3%  |
| 4       | 91.9 | 2.1%             | -2.1%  |
| 5       | 93.9 | 0.4%             | -0.9%  |
| 6       | 95.2 | 0%               | 1.9%   |
| 7       | 93.4 | 2.7%             | -0.7%  |
| 8       | 92.7 | 4.2%             | 0.1%   |
| 9       | 90.5 | 3.6%             | -3.9%  |
| 10      | 84.3 | 2.3%             | -9.2%  |
| 11      | 81.3 | 2.3%             | -12.7% |
| 12      | 81.3 | -3.6%            | -10.3% |
| 13      | 90.5 | -2.5%            | -6.2%  |
| 14      | 88.5 | -8.2%            | -0.4%  |
| 15      | 96.2 | -1.0%            | 0.3%   |
| 16      | 86.6 | -5.4%            | 8.2%   |

**SOL-LIGHT WARM DIM MR16 36° FL**

**3000K** | Rf: 94.2 | Rg: 101.2

Color Vector Graphic



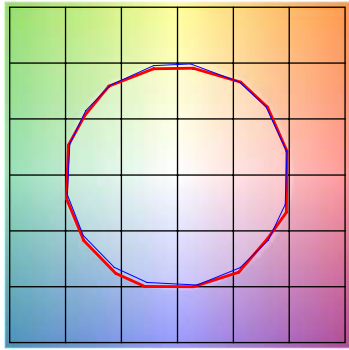
■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 96.0 | 0.3%             | 0.7%  |
| 2       | 96.8 | 0.9%             | -0.8% |
| 3       | 95.6 | 0.5%             | -0.8% |
| 4       | 93.1 | -3.2%            | -2.7% |
| 5       | 95.7 | -2.4%            | 0.4%  |
| 6       | 96.8 | 0.4%             | 1.6%  |
| 7       | 92.4 | -1.4%            | 3.5%  |
| 8       | 96.8 | 1.2%             | 1.2%  |
| 9       | 94.0 | 1.4%             | 3.1%  |
| 10      | 92.6 | 2.1%             | 3.9%  |
| 11      | 92.2 | 3.7%             | 3.9%  |
| 12      | 92.4 | 3.9%             | -0.9% |
| 13      | 94.7 | 0.9%             | -3.3% |
| 14      | 93.4 | 3.0%             | -3.2% |
| 15      | 93.6 | -1.1%            | 0.9%  |
| 16      | 90.2 | 2.4%             | -6.7% |

**SORAA VIVID MR16 25° NFL**

**3000K** | Rf: 94.0 | Rg: 101.0

Color Vector Graphic



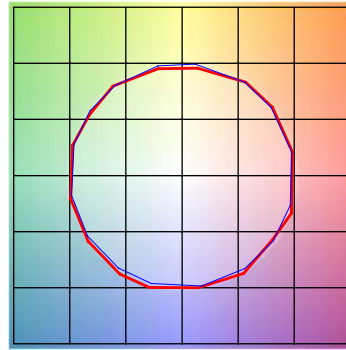
■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 95.9 | 0.3%             | 0.8%  |
| 2       | 96.8 | 0.8%             | -0.9% |
| 3       | 95.5 | 0.4%             | -0.9% |
| 4       | 92.7 | -3.4%            | -2.9% |
| 5       | 95.6 | -2.7%            | 0.4%  |
| 6       | 96.8 | 0.1%             | 1.6%  |
| 7       | 92.2 | -1.6%            | 3.7%  |
| 8       | 96.6 | 1.1%             | 1.5%  |
| 9       | 93.7 | 1.4%             | 3.3%  |
| 10      | 92.4 | 2.2%             | 4.1%  |
| 11      | 92.2 | 3.8%             | 3.8%  |
| 12      | 92.4 | 3.9%             | -1.1% |
| 13      | 94.4 | 0.8%             | -3.6% |
| 14      | 93.3 | 2.8%             | -3.4% |
| 15      | 93.4 | -1.4%            | 0.9%  |
| 16      | 90.3 | 2.2%             | -6.7% |

**SOL-LIGHT WARM DIM MR16 24° NFL**

**3000K** | Rf: 94.2 | Rg: 101.2

Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 95.9 | 0.3%             | 0.8%  |
| 2       | 96.8 | 0.8%             | -0.9% |
| 3       | 95.5 | 0.4%             | -0.9% |
| 4       | 92.7 | -3.4%            | -2.9% |
| 5       | 95.6 | -2.7%            | 0.4%  |
| 6       | 96.8 | 0.1%             | 1.6%  |
| 7       | 92.2 | -1.6%            | 3.7%  |
| 8       | 96.6 | 1.1%             | 1.5%  |
| 9       | 93.7 | 1.4%             | 3.3%  |
| 10      | 92.4 | 2.2%             | 4.1%  |
| 11      | 92.2 | 3.8%             | 3.8%  |
| 12      | 92.4 | 3.9%             | -1.1% |
| 13      | 94.4 | 0.8%             | -3.6% |
| 14      | 93.3 | 2.8%             | -3.4% |
| 15      | 93.4 | -1.4%            | 0.9%  |
| 16      | 90.3 | 2.2%             | -6.7% |

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