

**Features**



LL42



LL72

Line LED LL series is a small profile, high performance LED strip. It offers excellent color quality with 95+ CRI and 95+ R9 values across the entire range of outputs, while sustaining efficacy above 90 lumens per watt. The simple range consists of just two configurations, 42 and 72 LEDs per foot, with multiple outputs from each, providing a range from 100 to over 500 lumens per foot. Industry-best color consistency is ensured with single-binned LEDs. LL72 provides smooth, dot-free illumination in all Luminii extrusions when paired with a frosted lens.

**Mounting**

LED strip is equipped with 3M™ adhesive transfer tape (9472LE).

**Applications**

Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

**Approvals**

Class 2 damp listed

**Operating voltage**

24 VDC

**Average Life (L70)**

50,000 hours

**Warranty**

7 years



**Technical information**

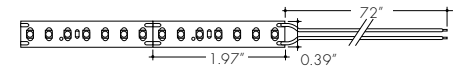
| TYPE  | LL42             |           |           | LL72      |           |           |
|---|------------------|-----------|-----------|-----------|-----------|-----------|
|   | SO               | HO        | VHO       | SO        | HO        | VHO       |
| <b>OUTPUT OPTIONS</b>                               |                  |           |           |           |           |           |
| <b>Lumens Output (3000K)</b>                        | 132 lm/ft        | 222 lm/ft | 322 lm/ft | 272 lm/ft | 442 lm/ft | 537 lm/ft |
| <b>Average Power Consumption (for a 4" section)</b> | 1.4 W/ft         | 2.4 W/ft  | 3.6 W/ft  | 2.8 W/ft  | 4.8 W/ft  | 6.0 W/ft  |
| <b>Efficacy</b>                                     | 94 lm/W          | 93 lm/W   | 89 lm/W   | 97 lm/W   | 92 lm/W   | 90 lm/W   |
| <b>Cutting Increment (in)</b>                       | 1.97"            |           |           | 1.16"     |           |           |
| <b>Pitch Length</b>                                 | 0.28"            |           |           | 0.17"     |           |           |
| <b>Max Run Length (in series)</b>                   | 55 ft            | 45 ft     | 35 ft     | 40 ft     | 31 ft     | 22 ft     |
| <b>Dimensions</b>                                   | 0.39"W x 0.09" H |           |           |           |           |           |

| CCT   | Multiplier<br>(reference - 3000K) | TM-30 |                |                |                |
|-------|-----------------------------------|-------|----------------|----------------|----------------|
|       |                                   | CRI   | R <sub>f</sub> | R <sub>g</sub> | R <sub>9</sub> |
| 1900K | 0.55                              | 96    | 94             | 97             | 90             |
| 2200K | 0.70                              | 96    | 95             | 101            | 89             |
| 2400K | 0.72                              | 98    | 97             | 101            | 91             |
| 2700K | 0.74                              | 97    | 96             | 101            | 91             |
| 3000K | 1.00                              | 97    | 95             | 104            | 97             |
| 3500K | 1.02                              | 97    | 94             | 105            | 97             |
| 4100K | 1.07                              | 97    | 90             | 99             | 97             |

**Section Start/End Options**

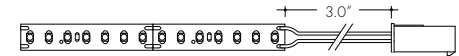
**SL**

Soldered lead wires (72")



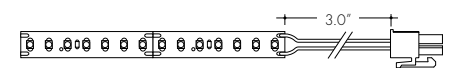
**LF**

Lead Female 3" cable



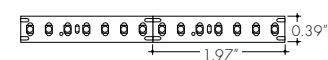
**LM**

Lead Male 3" cable



**NC**

No connector



**Ordering code**

| MODEL                                      | OUTPUT  | CCT   | SECTION START <sup>1</sup>  | SECTION END <sup>1</sup>  | LENGTH   |
|--|---|---|---|---|--|
| LL42 - LineLED LL42<br>LL72 - LineLED LL72 | SO - Standard<br>HO - High<br>VHO - Very High | 19K - 1900K<br>22K - 2200K<br>24K - 2400K<br>27K - 2700K<br>30K - 3000K<br>35K - 3500K<br>41K - 4100K | SL - Soldered lead wires (72")<br>NC - No connector<br>LM - Lead Male<br>LF - Lead Female | SL - Soldered lead wires (72")<br>NC - No connector<br>LM - Lead Male<br>LF - Lead Female | Ordered in one foot increments.<br>See chart above for max run length. |

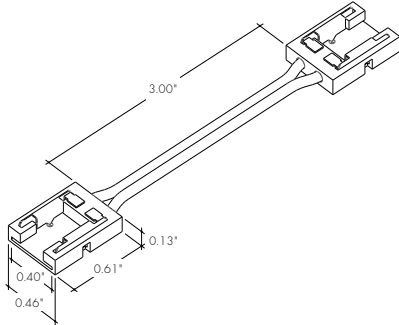
<sup>1</sup> - Additional Connectors and Leads available, see below.

**Minii Connectors**

Minii connectors are easy, field-installable accessories that make joining LL strip simple! Their minimal width allows them to fit into extrusions, while their transparent frame eliminates dark spots.  
**Note: verify internal extrusion dimensions to confirm compatibility**

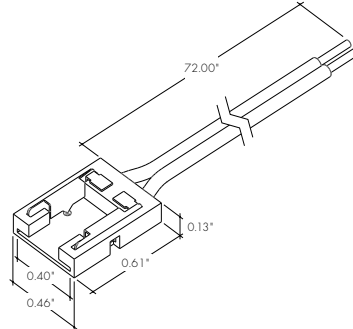
**LL-PJC-10-03**

Jumper minii connector with 3" wire for LL42/72 LED strip



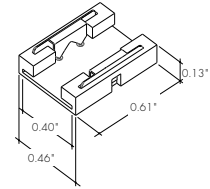
**LL-PFC-10-72**

Power feed minii connector with 72" wire for LL42/72 LED strip

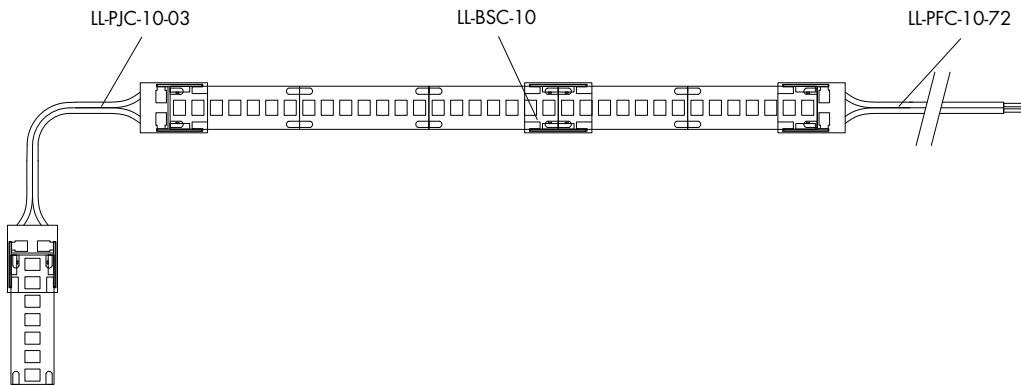


**LL-BSC-10**

Butt splice minii connector for LL42/72 LED strip



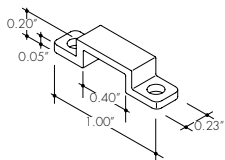
**Sample Layout**



**Accessories**

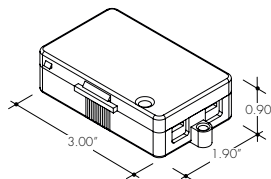
**CL1**

Mounting clip



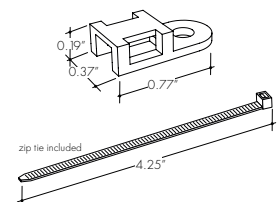
**LVSP-4T-BK**

Low Voltage, 4 Terminal Splice Box, Black



**LL.ZIP**

Cable/Wire Strain Relief Clip



Recommended every 12" when LineLED strip is facing down

**Lens Options / Light Transmission**

**C**  
Clear

**HF**  
Half (50%)  
Frosted

**GR**  
Graze

**F**  
Frosted

**FF**  
Flat  
Frosted

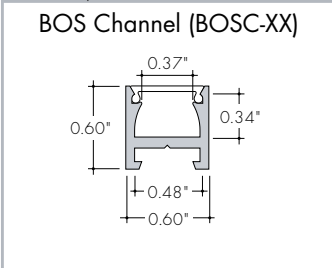
**R**  
Raised

**S**  
Square  
Frosted

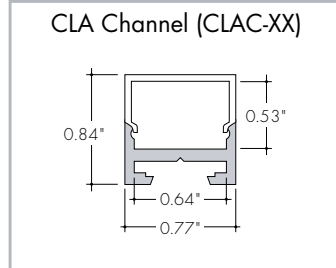
**Q**  
Round Square  
Frosted

**13°**  
13°  
Semi-Frosted

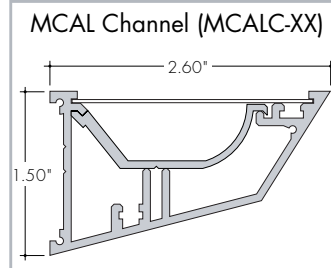
\*Not compatible with Minii connectors



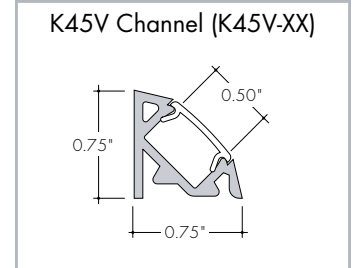
**F** 52% **SI** 66% **R** 60% **G** 76%



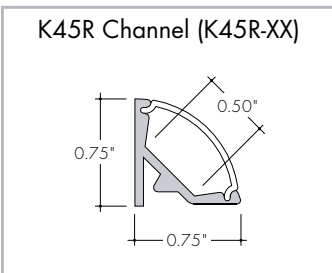
**S** 62% **Q** 65%



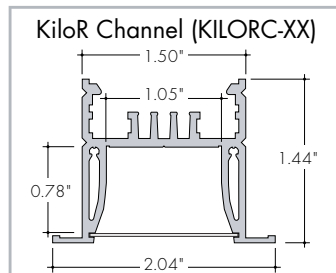
**C** 94%



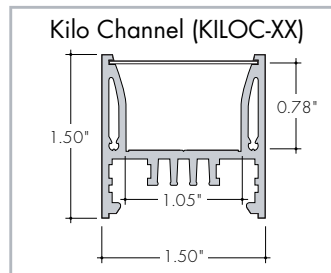
**C** 82% **HF** 68% **F** 45% **13°** 75%



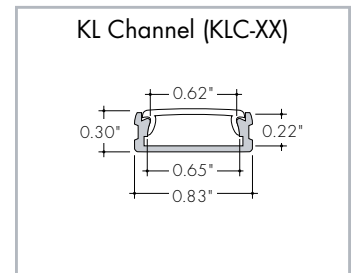
**RF** 61%



**C** 85% **F** 75%

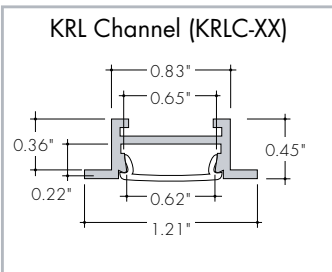


**C** 85% **F** 75%

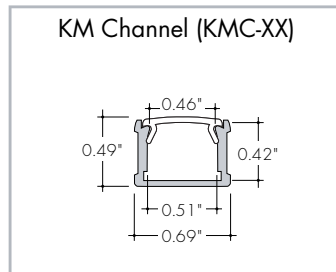


**C** 81% **HF** 67% **F** 51%

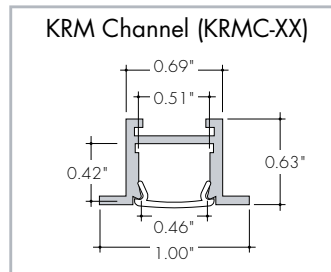
\*Not compatible with Minii connectors



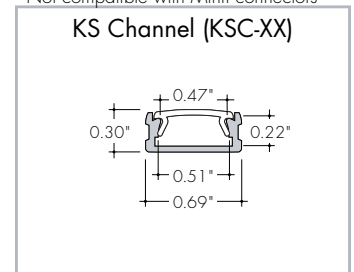
**C** 81% **HF** 67% **F** 51%



**C** 82% **HF** 68% **F** 45% **FF** 52% **R** 58% **GR** 56%



**C** 82% **HF** 68% **F** 45% **FF** 52% **GR** 56%



**C** 86% **HF** 71% **F** 56% **FF** 60% **R** 85% **M** 64%

**Installation**

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

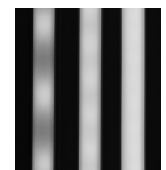
**Ordering**

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

**Led Dotting per Extrusion**

using the frosted lens option

| Extrusion    | LED Model LL42 | LED Model LL72 |
|--------------|----------------|----------------|
| <b>BOS</b>   | ND             | ND             |
| <b>CLA</b>   | ND             | ND             |
| <b>MCAL</b>  | ND             | ND             |
| <b>K45V</b>  | SD             | ND             |
| <b>KM</b>    | ND             | ND             |
| <b>KRM</b>   | ND             | ND             |
| <b>KS</b>    | CD             | ND             |
| <b>K45R</b>  | ND             | ND             |
| <b>KILOR</b> | ND             | ND             |
| <b>KILO</b>  | ND             | ND             |
| <b>KL</b>    | CD             | ND             |
| <b>KRL</b>   | CD             | ND             |



**CD** - Clear Dotting  
**SD** - Slight Dotting  
**ND** - No Dotting

**Lens Options / Light Transmission**



Clear



Half (50%)  
Frosted



Graze



Frosted



Flat  
Frosted



Raised



Square  
Frosted

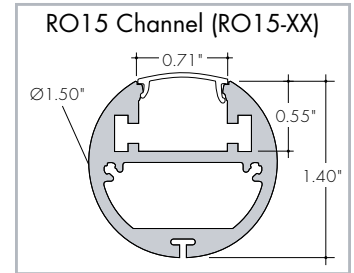
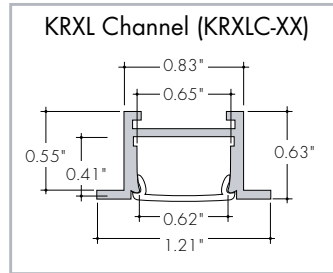
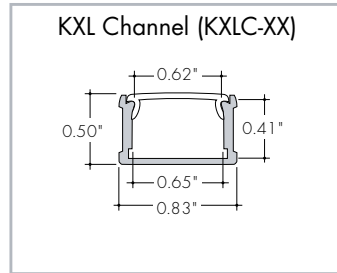
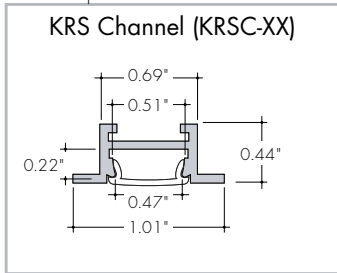


Round Square  
Frosted



13°  
Semi-Frosted

\*Not compatible with Minii connectors



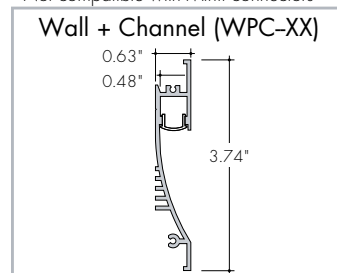
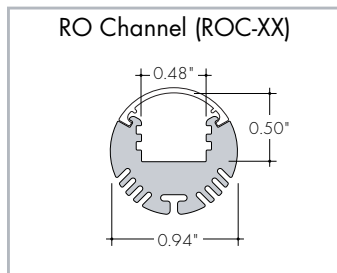
C HF F FF M  
86% 71% 56% 60% 64%

C HF F  
79% 66% 49%

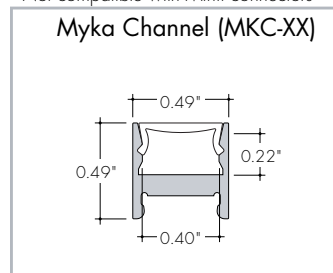
C HF F  
79% 66% 49%

C F  
65% 41%

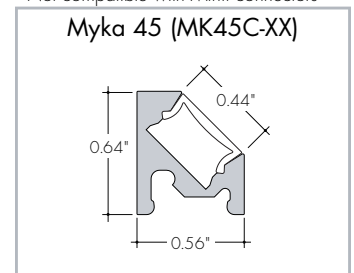
\*Not compatible with Minii connectors



\*Not compatible with Minii connectors



\*Not compatible with Minii connectors



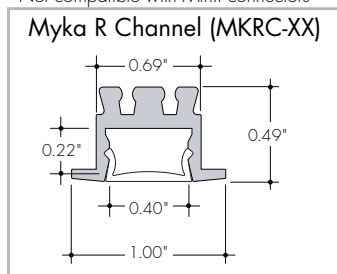
C F  
79% 50%

F  
65%

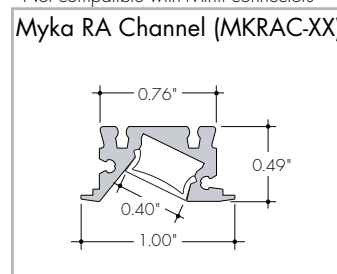
C F HF MF BLV WLV  
73% 61% 57% 45% 37% 25%

C F HF MF BLV WLV  
73% 61% 57% 45% 37% 25%

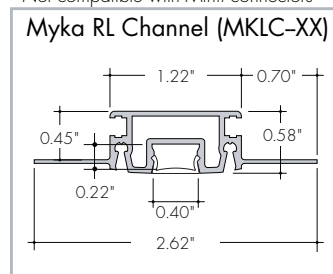
\*Not compatible with Minii connectors



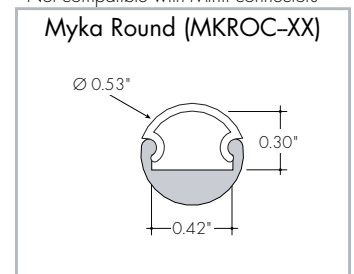
\*Not compatible with Minii connectors



\*Not compatible with Minii connectors



\*Not compatible with Minii connectors



C F HF MF BLV WLV  
73% 61% 57% 45% 37% 25%

C F HF MF BLV WLV  
73% 61% 57% 45% 37% 25%

C F HF MF BLV WLV  
73% 61% 57% 45% 37% 25%

RF  
57%

**Installation**

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

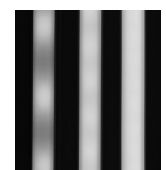
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**Led Dotting per Extrusion**

using the frosted lens option

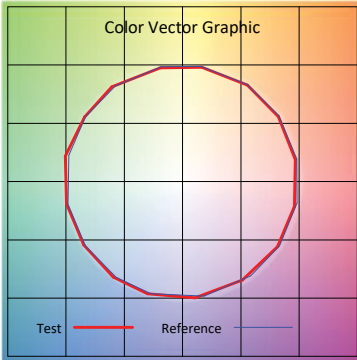
| Extrusion | LED Model LL42 | LED Model LL72 |
|-----------|----------------|----------------|
| KRS       | CD             | ND             |
| KXL       | ND             | ND             |
| KRXL      | ND             | ND             |
| RO15      | ND             | ND             |
| RO        | ND             | ND             |
| WP        | CD             | SD             |
| MK        | SD             | ND             |
| MK45      | SD             | ND             |
| MKR       | SD             | ND             |
| MKRA      | SD             | ND             |
| MKLC      | SD             | ND             |
| MKRO      | ND             | ND             |



CD SD ND  
CD - Clear Dotting  
SD - Slight Dotting  
ND - No Dotting

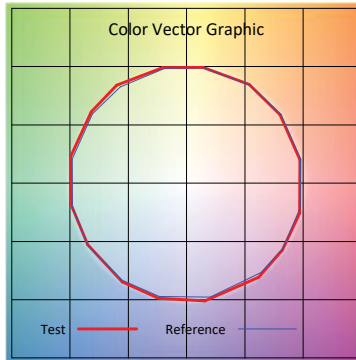
TM-30-15: Data

2200K



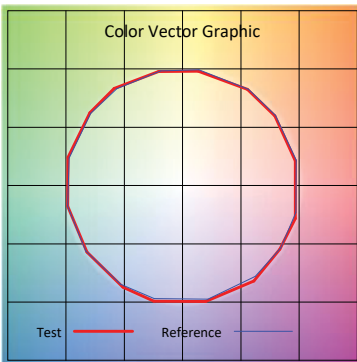
| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 96.8 | -1.4%              | -0.2% |
| 2       | 97.4 | -0.7%              | -0.3% |
| 3       | 96.2 | -0.5%              | -0.4% |
| 4       | 97.5 | -0.8%              | -1.0% |
| 5       | 97.3 | -0.8%              | 1.1%  |
| 6       | 95.4 | 1.0%               | 2.8%  |
| 7       | 98.1 | 0.5%               | 0.6%  |
| 8       | 95.7 | 2.8%               | 1.3%  |
| 9       | 97.0 | 1.1%               | -0.8% |
| 10      | 96.4 | 0.6%               | -1.6% |
| 11      | 96.0 | 1.3%               | -2.2% |
| 12      | 94.7 | 0.8%               | -3.0% |
| 13      | 92.0 | 0.2%               | -7.8% |
| 14      | 87.2 | -1.1%              | -7.9% |
| 15      | 96.6 | -0.9%              | -1.7% |
| 16      | 94.1 | -1.6%              | -3.2% |

2400K



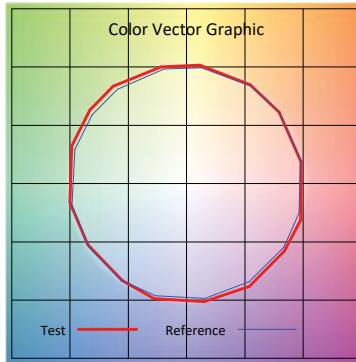
| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 97.3 | -0.7%              | -0.6% |
| 2       | 98.0 | -0.7%              | 0.1%  |
| 3       | 96.7 | 0.1%               | 1.2%  |
| 4       | 97.4 | 0.0%               | 0.5%  |
| 5       | 97.0 | 1.0%               | 1.9%  |
| 6       | 95.0 | 2.9%               | 1.6%  |
| 7       | 96.4 | 1.7%               | -0.9% |
| 8       | 96.2 | 1.9%               | -1.3% |
| 9       | 97.2 | 0.4%               | -1.1% |
| 10      | 97.9 | -0.3%              | -0.3% |
| 11      | 96.9 | 1.2%               | 1.2%  |
| 12      | 94.8 | 1.7%               | -0.4% |
| 13      | 93.6 | 2.2%               | -4.9% |
| 14      | 92.7 | 2.2%               | -3.9% |
| 15      | 96.7 | 0.4%               | -2.0% |
| 16      | 92.9 | 0.3%               | -4.7% |

2700K



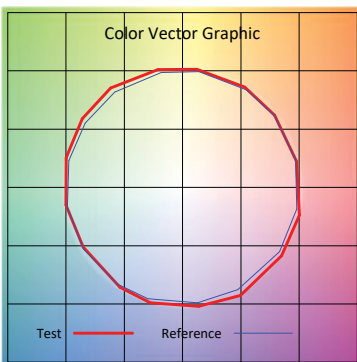
| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 97.1 | -1.0%              | -0.6% |
| 2       | 98.2 | -0.7%              | -0.2% |
| 3       | 97.0 | -0.5%              | 0.8%  |
| 4       | 97.1 | -1.2%              | 0.2%  |
| 5       | 96.9 | -0.1%              | 1.9%  |
| 6       | 96.2 | 1.7%               | 1.8%  |
| 7       | 97.3 | 0.8%               | -0.1% |
| 8       | 97.9 | 1.0%               | -0.3% |
| 9       | 98.2 | -0.1%              | -0.1% |
| 10      | 96.8 | -0.2%              | 1.5%  |
| 11      | 94.8 | 0.9%               | 3.0%  |
| 12      | 94.4 | 2.4%               | 0.2%  |
| 13      | 95.7 | 1.6%               | -2.4% |
| 14      | 94.2 | 2.7%               | -3.1% |
| 15      | 96.5 | -0.0%              | -1.4% |
| 16      | 92.3 | 0.7%               | -5.3% |

3000K



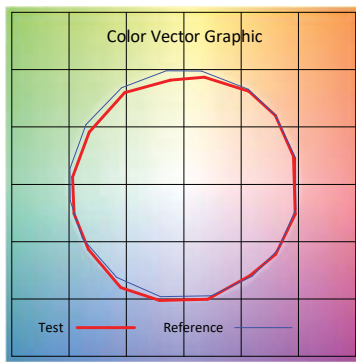
| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 95.9 | 0.2%               | -1.7% |
| 2       | 97.4 | 0.2%               | -0.2% |
| 3       | 96.3 | 0.7%               | 1.2%  |
| 4       | 95.1 | 1.9%               | 1.6%  |
| 5       | 94.9 | 2.3%               | 2.1%  |
| 6       | 92.6 | 4.3%               | 1.2%  |
| 7       | 92.1 | 3.9%               | -2.2% |
| 8       | 93.1 | 3.3%               | -2.3% |
| 9       | 94.8 | 1.2%               | -2.8% |
| 10      | 94.6 | -0.5%              | -2.7% |
| 11      | 96.2 | -0.1%              | 1.0%  |
| 12      | 93.7 | 2.7%               | -0.3% |
| 13      | 95.7 | 2.5%               | -1.3% |
| 14      | 94.2 | 3.6%               | -2.1% |
| 15      | 94.2 | 2.2%               | -2.5% |
| 16      | 92.0 | 2.5%               | -5.3% |

3500K



| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 96.4 | 0.5%               | -1.5% |
| 2       | 97.7 | 0.3%               | 0.2%  |
| 3       | 94.7 | 1.0%               | 2.2%  |
| 4       | 94.4 | 1.7%               | 2.2%  |
| 5       | 93.4 | 3.0%               | 2.3%  |
| 6       | 91.4 | 5.0%               | 1.0%  |
| 7       | 92.7 | 4.1%               | -1.6% |
| 8       | 94.1 | 2.8%               | -2.1% |
| 9       | 95.0 | 0.9%               | -2.1% |
| 10      | 95.9 | -0.8%              | -1.6% |
| 11      | 93.5 | 1.1%               | 3.4%  |
| 12      | 91.7 | 3.1%               | 3.0%  |
| 13      | 95.3 | 3.1%               | 0.5%  |
| 14      | 93.0 | 5.3%               | -0.8% |
| 15      | 93.5 | 3.4%               | -2.1% |
| 16      | 90.9 | 3.2%               | -4.6% |

4100K



| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 91.5 | -1.3%              | 1.6%  |
| 2       | 95.3 | -0.1%              | -0.4% |
| 3       | 95.4 | -1.0%              | -1.3% |
| 4       | 89.1 | -4.8%              | -3.5% |
| 5       | 86.6 | -8.7%              | -2.1% |
| 6       | 91.9 | -5.0%              | 0.5%  |
| 7       | 87.8 | -6.2%              | 4.0%  |
| 8       | 86.7 | -3.5%              | 6.7%  |
| 9       | 82.7 | -1.2%              | 11.7% |
| 10      | 81.6 | 1.0%               | 10.5% |
| 11      | 84.5 | 5.4%               | 8.0%  |
| 12      | 92.6 | 3.3%               | -0.3% |
| 13      | 90.9 | 2.3%               | 3.9%  |
| 14      | 92.6 | -1.5%              | -1.5% |
| 15      | 86.6 | 0.5%               | -4.4% |
| 16      | 86.7 | 0.5%               | -4.7% |

**Power Consumption**

Tested at full power with PDC Series power supplies.

| Nominal Length | LL42 |               |      |               |      |               | LL72 |               |      |               |      |               |
|----------------|------|---------------|------|---------------|------|---------------|------|---------------|------|---------------|------|---------------|
|                | SO   |               | HO   |               | VHO  |               | SO   |               | HO   |               | VHO  |               |
|                | W/ft | Total Wattage | W/ft | Total Wattage | W/ft | Total Wattage | W/ft | Total Wattage | W/ft | Total Wattage | W/ft | Total Wattage |
| 1              | 1.2  | 1.2           | 2.2  | 2.2           | 3.2  | 3.2           | 2.7  | 2.7           | 4.4  | 4.4           | 6.2  | 6.2           |
| 2              | 1.2  | 2.4           | 2.5  | 4.9           | 3.2  | 6.4           | 2.8  | 5.6           | 4.7  | 9.4           | 6.3  | 12.6          |
| 3              | 1.4  | 4.1           | 2.4  | 7.0           | 3.4  | 10.1          | 2.7  | 8.2           | 4.6  | 13.8          | 6.1  | 18.4          |
| 4              | 1.4  | 5.3           | 2.4  | 9.2           | 3.6  | 14.1          | 2.7  | 10.7          | 4.5  | 17.8          | 6.0  | 23.5          |
| 5              | 1.4  | 7.1           | 2.3  | 11.3          | 3.6  | 17.8          | 2.8  | 13.8          | 4.6  | 22.8          | 5.8  | 29.1          |
| 6              | 1.4  | 8.7           | 2.3  | 13.8          | 3.6  | 21.6          | 2.7  | 16.4          | 4.4  | 26.6          | 5.8  | 34.7          |
| 7              | 1.4  | 10.0          | 2.3  | 16.1          | 3.6  | 25.6          | 2.7  | 19.2          | 4.3  | 30.8          | 5.6  | 40.0          |
| 8              | 1.4  | 11.1          | 2.3  | 18.1          | 3.6  | 28.9          | 2.7  | 21.8          | 4.3  | 34.6          | 5.5  | 44.2          |
| 9              | 1.4  | 12.4          | 2.3  | 20.3          | 3.5  | 31.6          | 2.7  | 24.1          | 4.3  | 38.4          | 5.5  | 49.2          |
| 10             | 1.4  | 13.9          | 2.3  | 23.0          | 3.5  | 34.7          | 2.7  | 26.7          | 4.2  | 42.0          | 5.4  | 54.0          |
| 11             | 1.4  | 15.4          | 2.3  | 25.0          | 3.4  | 37.3          | 2.6  | 29.1          | 4.1  | 45.3          | 5.3  | 58.1          |
| 12             | 1.4  | 16.4          | 2.3  | 27.2          | 3.3  | 40.0          | 2.6  | 31.2          | 4.0  | 47.8          | 5.2  | 61.9          |
| 13             | 1.4  | 17.9          | 2.2  | 29.1          | 3.3  | 42.7          | 2.6  | 33.5          | 4.0  | 51.7          | 4.9  | 64.3          |
| 14             | 1.4  | 19.0          | 2.2  | 31.0          | 3.3  | 45.4          | 2.5  | 35.5          | 3.9  | 54.9          | 5.1  | 72.0          |
| 15             | 1.4  | 20.2          | 2.2  | 32.5          | 3.2  | 48.0          | 2.5  | 37.7          | 3.9  | 57.6          | 5.0  | 74.4          |
| 16             | 1.3  | 21.7          | 2.2  | 35.1          | 3.2  | 51.3          | 2.5  | 40.4          | 3.8  | 61.5          | 4.9  | 78.7          |
| 17             | 1.3  | 22.7          | 2.1  | 36.6          | 3.1  | 53.7          | 2.5  | 42.4          | 3.8  | 63.8          | 4.7  | 80.1          |
| 18             | 1.3  | 23.9          | 2.1  | 38.1          | 3.1  | 55.8          | 2.5  | 44.9          | 3.7  | 66.9          | 4.6  | 84.0          |
| 19             | 1.3  | 25.0          | 2.1  | 39.8          | 3.1  | 58.1          | 2.4  | 46.5          | 3.6  | 69.0          | 4.6  | 87.2          |
| 20             | 1.3  | 26.5          | 2.2  | 43.4          | 3.0  | 60.1          | 2.4  | 48.5          | 3.6  | 71.7          | 4.5  | 90.0          |
| 21             | 1.3  | 27.5          | 2.1  | 45.0          | 3.0  | 62.3          | 2.4  | 49.8          | 3.5  | 74.5          | 4.4  | 92.5          |
| 22             | 1.3  | 28.8          | 2.1  | 46.6          | 2.9  | 64.6          | 2.3  | 51.5          | 3.5  | 76.2          | 4.3  | 95.6          |
| 23             | 1.3  | 30.0          | 2.1  | 48.2          | 2.9  | 67.0          | 2.3  | 52.6          | 3.4  | 78.0          |      |               |
| 24             | 1.3  | 31.1          | 2.1  | 49.7          | 2.9  | 69.1          | 2.3  | 55.4          | 3.4  | 80.6          |      |               |
| 25             | 1.3  | 32.4          | 2.1  | 51.3          | 2.9  | 71.4          | 2.3  | 56.8          | 3.3  | 82.2          |      |               |
| 26             | 1.3  | 33.4          | 2.0  | 52.6          | 2.8  | 73.1          | 2.2  | 57.3          | 3.3  | 84.4          |      |               |
| 27             | 1.3  | 34.6          | 2.0  | 54.2          | 2.8  | 75.0          | 2.2  | 58.1          | 3.2  | 86.5          |      |               |
| 28             | 1.3  | 35.6          | 2.0  | 55.5          | 2.7  | 76.6          | 2.2  | 60.8          | 3.2  | 88.2          |      |               |
| 29             | 1.3  | 36.6          | 2.0  | 56.8          | 2.7  | 78.1          | 2.2  | 63.3          | 3.1  | 89.4          |      |               |
| 30             | 1.3  | 37.6          | 1.9  | 58.1          | 2.7  | 79.7          | 2.2  | 65.1          | 3.0  | 90.9          |      |               |
| 31             | 1.2  | 38.5          | 1.9  | 59.3          | 2.6  | 81.1          | 2.1  | 64.9          | 3.0  | 91.5          |      |               |
| 32             | 1.2  | 39.4          | 1.9  | 60.6          | 2.6  | 82.5          | 2.1  | 67.8          |      |               |      |               |
| 33             | 1.2  | 40.4          | 1.9  | 61.8          | 2.5  | 83.8          | 2.1  | 69.6          |      |               |      |               |
| 34             | 1.2  | 41.2          | 1.9  | 63.0          | 2.5  | 85.1          | 2.1  | 69.9          |      |               |      |               |
| 35             | 1.2  | 42.1          | 1.8  | 64.2          | 2.5  | 86.5          | 2.0  | 71.4          |      |               |      |               |
| 36             | 1.2  | 43.0          | 1.8  | 65.2          |      |               | 2.0  | 72.8          |      |               |      |               |
| 37             | 1.2  | 44.0          | 1.8  | 66.4          |      |               | 2.0  | 73.7          |      |               |      |               |
| 38             | 1.2  | 44.9          | 1.8  | 67.4          |      |               | 2.0  | 75.5          |      |               |      |               |
| 39             | 1.2  | 45.8          | 1.8  | 68.5          |      |               | 1.9  | 75.9          |      |               |      |               |
| 40             | 1.2  | 46.6          | 1.7  | 69.4          |      |               | 1.9  | 76.7          |      |               |      |               |
| 41             | 1.2  | 47.3          | 1.7  | 70.3          |      |               |      |               |      |               |      |               |
| 42             | 1.1  | 48.0          | 1.7  | 71.3          |      |               |      |               |      |               |      |               |
| 43             | 1.1  | 48.8          | 1.7  | 72.2          |      |               |      |               |      |               |      |               |
| 44             | 1.1  | 49.5          | 1.7  | 73.2          |      |               |      |               |      |               |      |               |
| 45             | 1.1  | 50.1          | 1.6  | 74.0          |      |               |      |               |      |               |      |               |
| 46             | 1.1  | 50.9          |      |               |      |               |      |               |      |               |      |               |
| 47             | 1.1  | 51.7          |      |               |      |               |      |               |      |               |      |               |
| 48             | 1.1  | 52.4          |      |               |      |               |      |               |      |               |      |               |
| 49             | 1.1  | 53.1          |      |               |      |               |      |               |      |               |      |               |
| 50             | 1.1  | 53.8          |      |               |      |               |      |               |      |               |      |               |
| 51             | 1.1  | 54.4          |      |               |      |               |      |               |      |               |      |               |
| 52             | 1.1  | 55.0          |      |               |      |               |      |               |      |               |      |               |
| 53             | 1.1  | 55.7          |      |               |      |               |      |               |      |               |      |               |
| 54             | 1.0  | 56.3          |      |               |      |               |      |               |      |               |      |               |
| 55             | 1.0  | 56.8          |      |               |      |               |      |               |      |               |      |               |

## Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

| Wattage [W] | Maximum Wire Length From Power Supply to Start of Run [ft] |        |        |        |        |        |        |
|-------------|--|--------|--------|--------|--------|--------|--------|
|             | 12 AWG   | 14 AWG | 16 AWG | 18 AWG | 20 AWG | 22 AWG | 24 AWG |
| <b>5</b>    | 1088.2   | 684.4  | 430.3  | 270.6  | 170.2  | 107.1  | 67.3   |
| <b>10</b>   | 544.1  | 342.2  | 215.1  | 135.3  | 85.1   | 53.5   | 33.7   |
| <b>15</b>   | 362.7  | 228.1  | 143.4  | 90.2   | 56.7   | 35.7   | 22.4   |
| <b>20</b>   | 272.0  | 171.1  | 107.6  | 67.7   | 42.6   | 26.8   | 16.8   |
| <b>25</b>   | 217.6  | 136.9  | 86.1   | 54.1   | 34.0   | 21.4   | 13.5   |
| <b>30</b>   | 181.4  | 114.1  | 71.7   | 45.1   | 28.4   | 17.8   | 11.2   |
| <b>35</b>   | 155.5  | 97.8   | 61.5   | 38.7   | 24.3   | 15.3   | 9.6    |
| <b>40</b>   | 136.0  | 85.5   | 53.8   | 33.8   | 21.3   | 13.4   | 8.4    |
| <b>45</b>   | 120.9  | 76.0   | 47.8   | 30.1   | 18.9   | 11.9   | 7.5    |
| <b>50</b>   | 108.8  | 68.4   | 43.0   | 27.1   | 17.0   | 10.7   | 6.7    |
| <b>55</b>   | 98.9   | 62.2   | 39.1   | 24.6   | 15.5   | 9.7    | 6.1    |
| <b>60</b>   | 90.7   | 57.0   | 35.9   | 22.6   | 14.2   | 8.9    | 5.6    |
| <b>65</b>   | 83.7   | 52.6   | 33.1   | 20.8   | 13.1   | 8.2    | 5.2    |
| <b>70</b>   | 77.7   | 48.9   | 30.7   | 19.3   | 12.2   | 7.6    | 4.8    |
| <b>75</b>   | 72.5   | 45.6   | 28.7   | 18.0   | 11.3   | 7.1    | 4.5    |
| <b>80</b>   | 68.0   | 42.8   | 26.9   | 16.9   | 10.6   | 6.7    | 4.2    |
| <b>85</b>   | 64.0   | 40.3   | 25.3   | 15.9   | 10.0   | 6.3    | 4.0    |
| <b>90</b>   | 60.5   | 38.0   | 23.9   | 15.0   | 9.5    | 5.9    | 3.7    |
| <b>96</b>   | 56.7   | 35.6   | 22.4   | 14.1   | 8.9    | 5.6    | 3.5    |

### Power Supplies

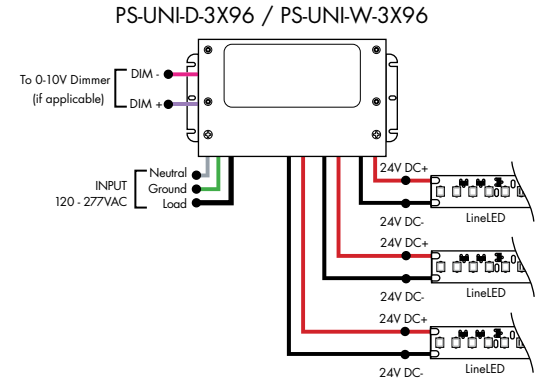
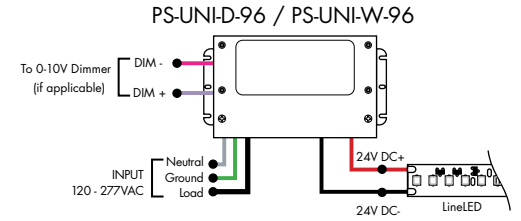
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

#### Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

| MODEL                       | INPUT CONTROL                    | ENVIRONMENT    | WATTAGE  | OUTPUT    |
|-----------------------------|----------------------------------|----------------|--|-----------|
| PS-Power Supply, 120-277VAC | UNI-0-10V Dimming, Phase Dimming | D-Dry<br>W-Wet | 30-30 Watts<br>60-60 Watts<br>96-96 Watts<br>3x96-3x96 Watts | 24-24 VDC |

Compatibility: View a complete list of compatible dimmers on product page [\(Link\)](#)

0-10V - 1% dimming  
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart



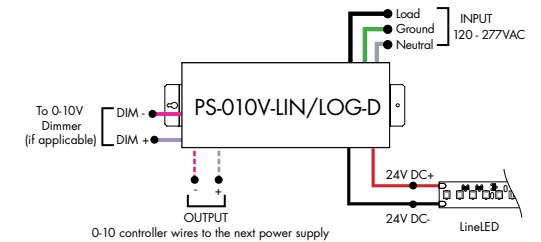
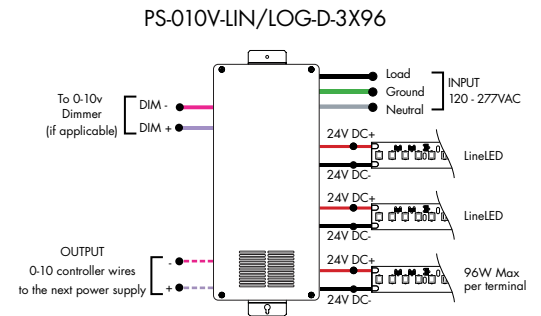
| MODELS        | PS-UNI-W-30W | PS-UNI-W-60W | PS-UNI-W-96W | PS-UNI-W-3X96W |
|---------------|--------------|--------------|--------------|----------------|
| <b>Length</b> | 6.50"        | 7.40"        | 8.66"        | 11.85"         |
| <b>Width</b>  | 3.73"        | 3.73"        | 3.73"        | 4.32"          |
| <b>Depth</b>  | 1.61"        | 1.61"        | 1.61"        | 1.81"          |

| MODELS        | PS-UNI-D-30W | PS-UNI-D-60W | PS-UNI-D-96W | PS-UNI-D-3X96W |
|---------------|--------------|--------------|--------------|----------------|
| <b>Length</b> | 8.77"        | 8.77"        | 8.11"        | 9.94"          |
| <b>Width</b>  | 4.27"        | 4.27"        | 5.60"        | 7.61"          |
| <b>Depth</b>  | 1.83"        | 1.83"        | 1.83"        | 2.02"          |

#### Ordering Code 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

| MODEL                       | INPUT CONTROL   | ENVIRONMENT | WATTAGE                        | OUTPUT    |
|-----------------------------|---|-------------|--------------------------------|-----------|
| PS-Power Supply, 120-277VAC | 010V-LIN-0-10V Dimming (0.1%), Linear<br>010V-LOG-0-10V Dimming (0.1%), Logarithmic | D-Dry       | 96-96 Watts<br>3X96-3x96 Watts | 24-24 VDC |

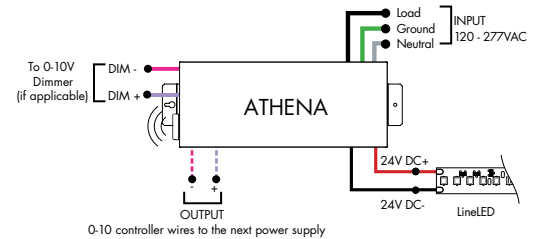
| MODELS        | 96W    | 3X96   |
|---------------|--------|--------|
| <b>Length</b> | 14.40" | 15.00" |
| <b>Width</b>  | 5.20"  | 6.62"  |
| <b>Depth</b>  | 2.60"  | 4.45"  |



#### Athena 0-10V LED Driver

| MODEL                       | INPUT CONTROL   | ENVIRONMENT | WATTAGE | OUTPUT    | FEATURE     |
|-----------------------------|---|-------------|---------|-----------|-------------|
| PS-Power Supply, 120-277VAC | 010V-LIN-0-10V Dimming, Linear<br>010V-LOG-0-10V Dimming, Logarithmic | D-Dry       | 96-96 W | 24-24 VDC | AWNR-Athena |

| MODELS        | 96W    |
|---------------|--------|
| <b>Length</b> | 14.40" |
| <b>Width</b>  | 5.20"  |
| <b>Depth</b>  | 2.60"  |

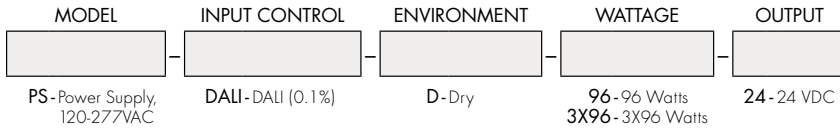




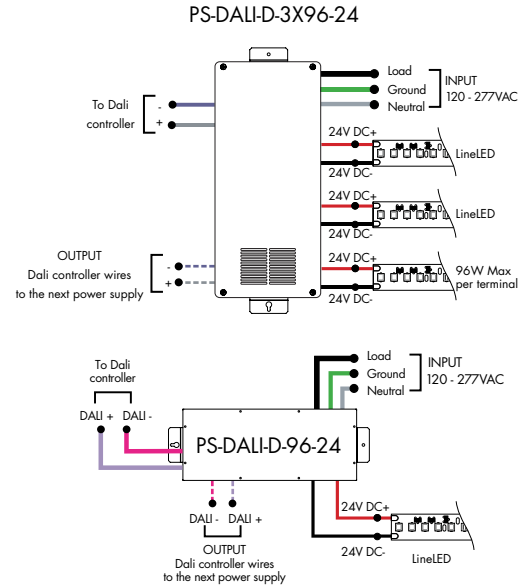
### Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

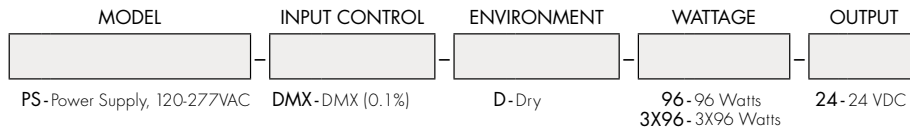
### Ordering Code DALI1 Dimming Power Supplies 0.1% 120VAC - 277VAC



| Model  | 96W    | 3X96   |
|--------|--------|--------|
| Length | 14.40" | 15.00" |
| Width  | 5.20"  | 6.62"  |
| Depth  | 2.60"  | 4.56"  |

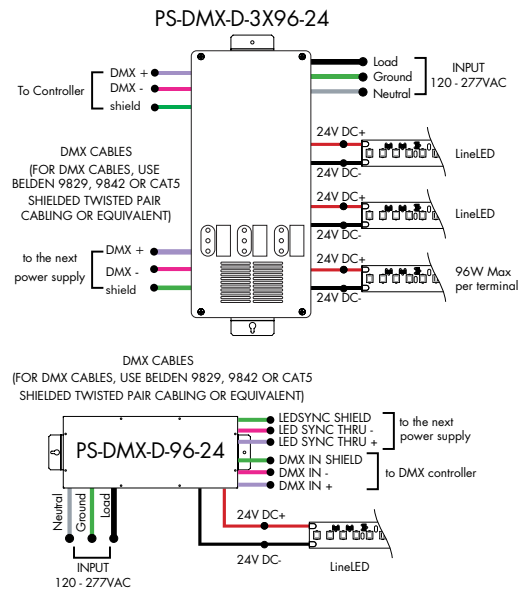


### Ordering Code DMX Dimming Power Supplies 0.1% 120VAC - 277VAC Requires Zonal Control

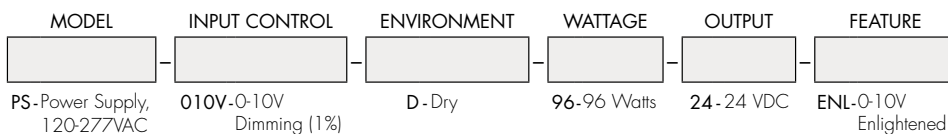


\*Zonal control power supplies. Control multiple tapes/zones using DMX channels.

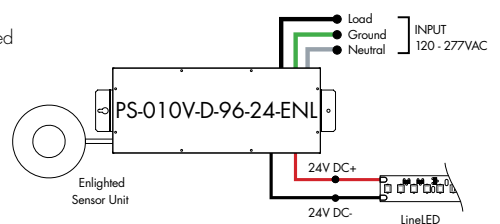
| MODELS | 96W    | 3X96   |
|--------|--------|--------|
| Length | 14.40" | 15.00" |
| Width  | 5.20"  | 6.62"  |
| Depth  | 2.60"  | 4.56"  |



### Ordering Code Enlightened Enabled Dimming Power Supplies 1% 120VAC - 277VAC



| Model  | 96W    |
|--------|--------|
| Length | 14.40" |
| Width  | 5.20"  |
| Depth  | 2.60"  |

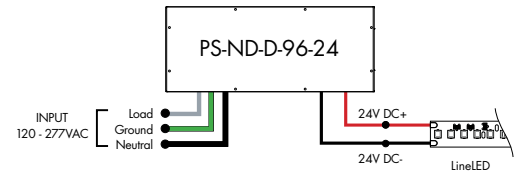


## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

### Ordering Code Non-Dimming Power Supply 120VAC - 277VAC

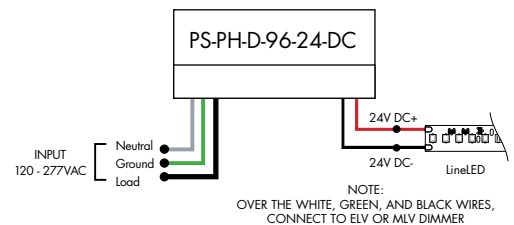
| MODEL                         | INPUT CONTROL    | ENVIRONMENT | WATTAGE     | OUTPUT      |
|-------------------------------|------------------|-------------|-------------|-------------|
| PS - Power Supply, 120-277VAC | ND - Non Dimming | D - Dry     | 96-96 Watts | 24 - 24 VDC |



| MODELS | 96W    |
|--------|--------|
| Length | 14.40" |
| Width  | 5.20"  |
| Depth  | 2.60"  |

### Ordering Code Phase Dimming Power Supply 1% 120VAC - 277VAC

| MODEL                         | INPUT CONTROL                        | ENVIRONMENT | WATTAGE     | OUTPUT    | OUTPUT CONTROL      |
|-------------------------------|--------------------------------------|-------------|-------------|-----------|---------------------|
| PS - Power Supply, 120-277VAC | PH - Phase Dimming (Triac, ELV, MLV) | D - Dry     | 96-96 Watts | 24-24 VDC | DC - Direct Current |

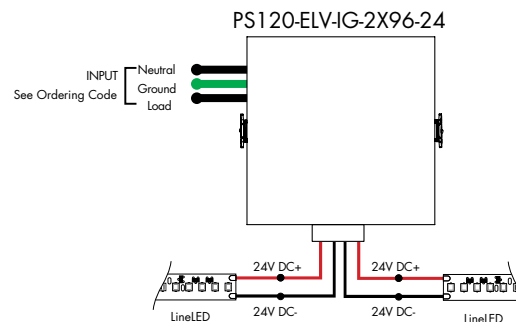


MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart ([link](#))

| MODELS | 96W   |
|--------|-------|
| Length | 8.25" |
| Width  | 4.10" |
| Depth  | 1.56" |

### Ordering Code In-Ground Power Supplies

| MODEL  | INPUT CONTROL          | ENVIRONMENT    | WATTAGE         | OUTPUT    |
|--|------------------------|----------------|-----------------|-----------|
| PS120 - Power Supply, 120VAC<br>PS240 - Power Supply, 240VAC<br>PS277 - Power Supply, 277VAC | ELV - ELV Dimming (1%) | IG - In Ground | 2X96-2X96 Watts | 24-24 VDC |



| MODELS | 2X96W |
|--------|-------|
| Length | 8.40" |
| Width  | 8.30" |
| Depth  | 8.10" |

## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.



Luminii is a Lutron OEM Advantage Partner

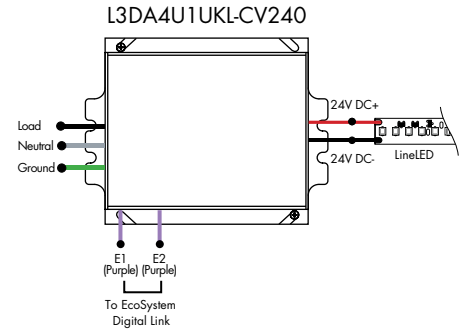
Lutron Power Supplies 1%

MODEL

**L3DA4U1UKL-CV240**

HiLume™ 1% EcoSystem Voltage LED driver  
40W max

| MODELS        | L3DA4U1UKL-CV240 |
|---------------|------------------|
| <b>Length</b> | 4.98"            |
| <b>Width</b>  | 4.00"            |
| <b>Depth</b>  | 2.62"            |



Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL

**L3D0-96W24V-U**

HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™  
96W max

| MODELS        | L3D0   |
|---------------|--------|
| <b>Length</b> | 10.50" |
| <b>Width</b>  | 5.50"  |
| <b>Depth</b>  | 2.00"  |

