



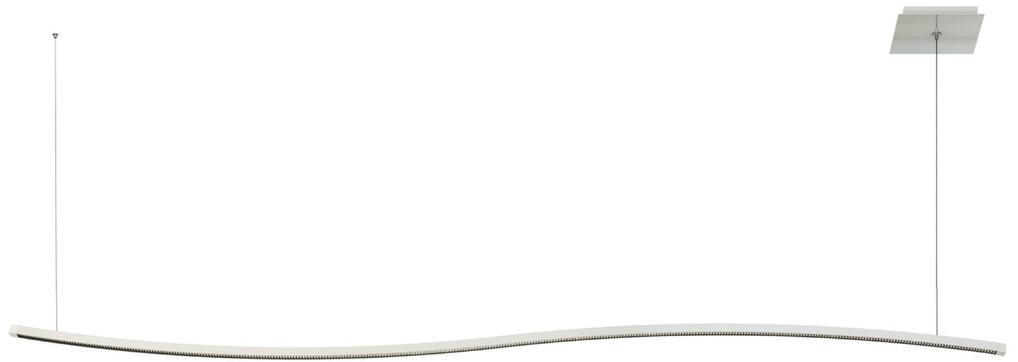
Shown without Louver



Shown with White Louver



Shown with Black Louver



### DESCRIPTION

Add curves and volume to any space with the Zipp Wave Suspension Downlight. This contemporary, curvy, linear LED fixture offers lighting that is crisp and spot-free. It is available in a range of increments from 48" to 240" (20'), a 100° beam spread, optional adjustable white or black louver, multiple finishes, and a spectrum of color temperatures including Warm Dim. Fixture includes a 5-year warranty. For custom designs and quotes, send drawings to [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

Wattages for this fixture are available in the following options:

- 5W - 4.4 watts per foot, lengths up to 240" (20')
- 7W - 7.5 watts per foot, lengths up to 154" (12.8')

### INSTALLATION

- Includes canopy with 120V/24VDC Electronic Low Voltage LED power supply. For under 60 watts (**NON-IC**), the power supply will fit inside the electrical junction box with a flush 4.6" canopy
- Adjustable 12' coaxial and aircraft cables included; additional aircraft cable supports included when fixture exceeds 60"

### CHANNEL & CANOPY FINISHES

Available in Satin Nickel, Chrome, White and Black finishes; Satin Nickel hardware complements all finishes. Black finish comes with black hardware.

### LENSES

- Available in a Diffused White Lens with 100° beam spread
- Optional black or white louver available

### APPLICATIONS

Indoor - Kitchens, Dining Rooms, Hallways, Conference Rooms, Offices, Architectural, General, Retail

### LAMPING

- Choose from 10 color temperatures from 2200K-5700K including Warm Dim
- Warm Dim (optional): 2700K to 2000K (**27D**) or 3000K to 2000K (**30D**)
- 50,000 Hour Lamp Life

### POWER SUPPLY (INCLUDED IN CANOPY)

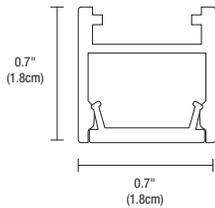
120V input, 24VDC output; electronic low voltage LED power supply

### DIMMING

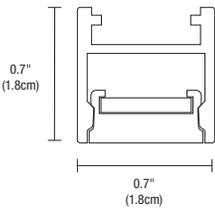
Compatible with the following ELV dimmers:

- Legrand: Adorne ADTP703TU
- Lutron: Diva DVELV-300P; Skylark SELV-300P; Maestro MAELV-600; Radio Ra 2

\*Dimmers not available through PureEdge Lighting.



Channel Without Louver (Actual Size)



Channel With Louver (Actual Size)

| System  | Wattage Per Foot   | Canopy  | Nominal Size   | Color Temperature  | Finish   |
|---|--|---|--|--|--|
| <b>WSDP</b>   | <b>5W</b>  | <b>E</b>  | <b>240</b>   | <b>22K</b>   | <b>SN</b>  |
| <b>WSDP</b> Zipp Wave Suspension Diffused Lens with Power<br><b>WSDWP</b> Zipp Wave Suspension Diffused Lens with White Louver, with Power<br><b>WSDBP</b> Zipp Wave Suspension Diffused Lens with Black Louver, with Power | <b>5W</b> 5W - Maximum length - 240"<br><b>7W</b> 7W - Maximum length - 144" | <b>E</b> End Feed<br><b>E2</b> End Feed with 2 Canopies | <b>48-240</b> Order in various increments from 48" to 240" for 5 watts, 154" for 7 watts. Maximum shipping length for Chrome is 84".<br>*See length chart for exact dimensions (pg. 2) | <b>22K</b> 2200K Amber White<br><b>24K</b> 2400K Very Warm White<br><b>27K</b> 2700K Very Warm White<br><b>27D</b> 2700K Warm Dim (5W only)<br><b>30K</b> 3000K Warm White (Halogen)<br><b>30D</b> 3000K Warm Dim (Halogen, 5W only)<br><b>35K</b> 3500K Neutral White<br><b>40K</b> 4000K Cool White<br><b>57K</b> 5700K Daylight White | <b>BK</b> Black<br><b>CH</b> Chrome<br><b>SN</b> Satin Nickel<br><b>WH</b> White |

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

### Lamp Data: Lamp data for Zipp Wave Suspension Downlight with Power - End Feed

| WSDP                                    |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
|---|----------------|-----|-----|------|-----|------|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|
| 100° DIFFUSED WHITE LENS WITHOUT LOUVER |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
| DESCRIPTION                             | 5W (4.4 watts) |     |     |      |     |      |     |     |     | 7W (7.5 watts) |     |     |     |     |     |     |
| WATTS PER FOOT                          |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
| COLOR TEMPERATURE                       | 22K            | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K | 22K            | 24K | 27K | 30K | 35K | 40K | 57K |
| LUMENS PER FOOT (lm/ft)                 | 265            | 265 | 268 | 305  | 279 | 318  | 320 | 337 | 357 | 409            | 409 | 413 | 430 | 494 | 521 | 551 |
| LUMENS PER WATT (lm/w)                  | 60             | 60  | 61  | 64   | 63  | 66   | 73  | 77  | 81  | 56             | 56  | 57  | 59  | 68  | 71  | 75  |
| CRI                                     | 92+            | 92+ | 92+ | 94+  | 92+ | 94+  | 92+ | 92+ | 92+ | 92+            | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ |

\*27D, 30D - Warm Dim (4.8 Watts)

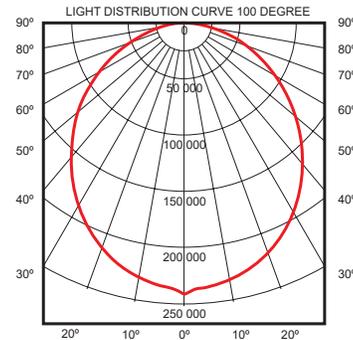
| WSDWP                                      |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
|--|----------------|-----|-----|------|-----|------|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|
| 100° DIFFUSED WHITE LENS WITH WHITE LOUVER |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
| DESCRIPTION                                | 5W (4.4 watts) |     |     |      |     |      |     |     |     | 7W (7.5 watts) |     |     |     |     |     |     |
| WATTS PER FOOT                             |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
| COLOR TEMPERATURE                          | 22K            | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K | 22K            | 24K | 27K | 30K | 35K | 40K | 57K |
| LUMENS PER FOOT (lm/ft)                    | 164            | 164 | 166 | 189  | 173 | 197  | 198 | 209 | 221 | 253            | 253 | 256 | 266 | 306 | 322 | 341 |
| LUMENS PER WATT (lm/w)                     | 37             | 37  | 38  | 39   | 39  | 41   | 45  | 47  | 50  | 35             | 35  | 35  | 37  | 42  | 44  | 47  |
| CRI  | 92+            | 92+ | 92+ | 94+  | 92+ | 94+  | 92+ | 92+ | 92+ | 92+            | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ |

\*27D, 30D - Warm Dim (4.8 Watts)

| WSDBP                                      |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
|--|----------------|-----|-----|------|-----|------|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|
| 100° DIFFUSED WHITE LENS WITH BLACK LOUVER |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
| DESCRIPTION                                | 5W (4.4 watts) |     |     |      |     |      |     |     |     | 7W (7.5 watts) |     |     |     |     |     |     |
| WATTS PER FOOT                             |                |     |     |      |     |      |     |     |     |                |     |     |     |     |     |     |
| COLOR TEMPERATURE                          | 22K            | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K | 22K            | 24K | 27K | 30K | 35K | 40K | 57K |
| LUMENS PER FOOT (lm/ft)                    | 101            | 101 | 102 | 116  | 106 | 121  | 122 | 128 | 136 | 156            | 156 | 157 | 164 | 188 | 198 | 210 |
| LUMENS PER WATT (lm/w)                     | 23             | 23  | 23  | 24   | 24  | 25   | 28  | 29  | 31  | 21             | 21  | 22  | 22  | 26  | 27  | 29  |
| CRI  | 92+            | 92+ | 92+ | 94+  | 92+ | 94+  | 92+ | 92+ | 92+ | 92+            | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ |

\*27D, 30D - Warm Dim (4.8 Watts)

| 5W DIFFUSED WHITE |                 |                                |                                |
|-------------------|-----------------|--------------------------------|--------------------------------|
| Distance          | Foot Candles 5W | Beam Width Vert. Spread 101.1° | Beam Width Horiz. Spread 97.4° |
| 1.7ft             | 120fc           | 4.1ft                          | 3.9ft                          |
| 3.3ft             | 39fc            | 8.0ft                          | 7.5ft                          |
| 5.0ft             | 16fc            | 12.1ft                         | 11.4ft                         |
| 6.7ft             | 10fc            | 16.3ft                         | 15.3ft                         |
| 8.3ft             | 6fc             | 20.2ft                         | 18.9ft                         |
| 10.0ft            | 4fc             | 24.3ft                         | 22.8ft                         |



### Finishes: The finishes available for the Zipp Wave Suspension Downlight with Power - End Feed


 Satin Black  
BK

 Chrome  
CH

 Polished Nickel  
PN

 White  
WH

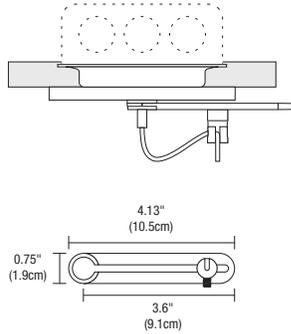
### Length Chart: Actual lengths for Zipp Wave Suspension Downlight with Power - End Feed

| 22K, 24K, 27K, 30K, 35K, 40K, 57K & WARM DIM (27D & 30D) |                     |                        |
|--|---------------------|------------------------|
| ORDERING CODE (NOMINAL SIZE)                             | NOMINAL SIZE (FEET) | ACTUAL LENGTH (INCHES) |
| 48   | 4                   | 48.58                  |
| 60   | 5                   | 60.50                  |
| 72   | 6                   | 72.43                  |
| 84   | 7                   | 84.37                  |
| 96   | 8                   | 96.36                  |
| 108  | 9                   | 108.26                 |
| 120  | 10                  | 120.20                 |
| 144  | 12                  | 144.46                 |
| 192  | 16                  | 192.66                 |
| 240  | 20                  | 240.40                 |

| CHROME                       |                     |                        |
|------------------------------|---------------------|------------------------|
| ORDERING CODE (NOMINAL SIZE) | NOMINAL SIZE (FEET) | ACTUAL LENGTH (INCHES) |
| 48                           | 4                   | 48.58                  |
| 60                           | 5                   | 60.50                  |
| 72                           | 6                   | 72.43                  |
| 84                           | 7                   | 84.37                  |
| 168                          | 14                  | 168.40                 |

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

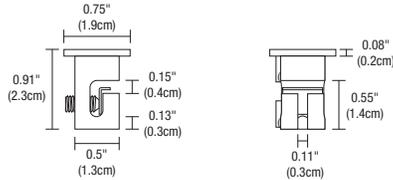
**Accessories:** Accessories for Zipp Wave Suspension Downlight with Power - End Feed



**CHANNEL SUSPENSION ADJUSTABLE SWAG BAR & HOOK**

The Adjustable Swag Bar and Hook allows a cable to form a straight connection to the channel when the Power Canopy is not located directly above the fixture. Use when you have two or more power supply and canopies on the same fixture run. The Adjustable Swag Hook is compatible with the 2R, 2S, 4S, 4R, 5S and 6S Power Canopies (Canopy not included).

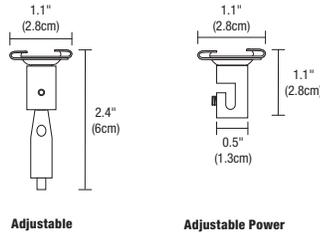
| Product                      | Type  | Finish                 |
|------------------------------|---|------------------------|
| <b>CS</b>                    | <b>ADJ-SWAG</b>   | <b>SN</b>              |
| <b>CS</b> Channel Suspension | <b>ADJ-SWAG</b> Adjustable Swag Hook for Static White<br><b>ADJ-DP-SWAG</b> Dual Post Adjustable Swag Hook for 2K4K & RGB | <b>SN</b> Satin Nickel |



**CHANNEL SUSPENSION SWAG HOOK**

The clear plastic Swag Hook extends a cable from an electrical box that is not located directly above desired fixture location.

| System                       | Type                  |
|------------------------------|-----------------------|
| <b>CS</b>                    | <b>SWAG</b>           |
| <b>CS</b> Channel Suspension | <b>SWAG</b> Swag Hook |

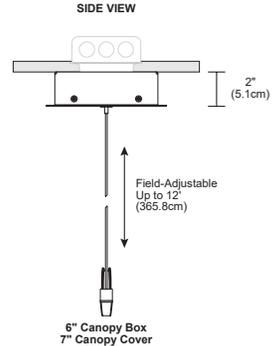
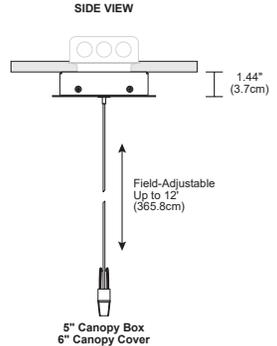
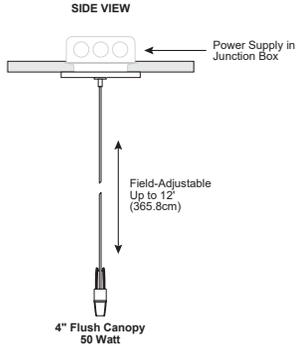
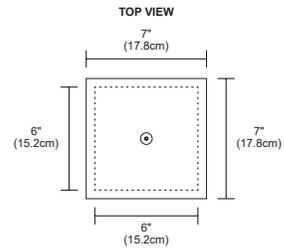
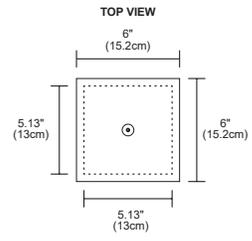
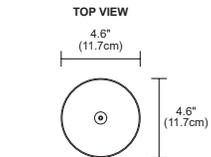
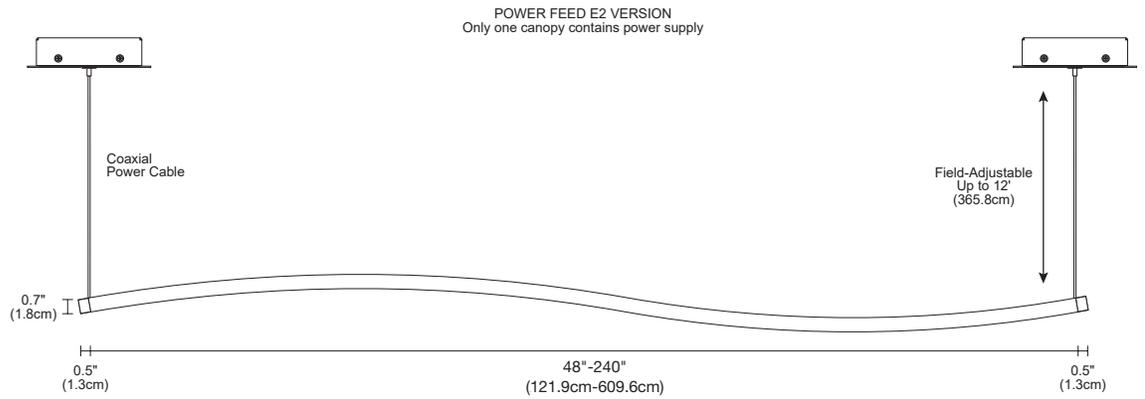
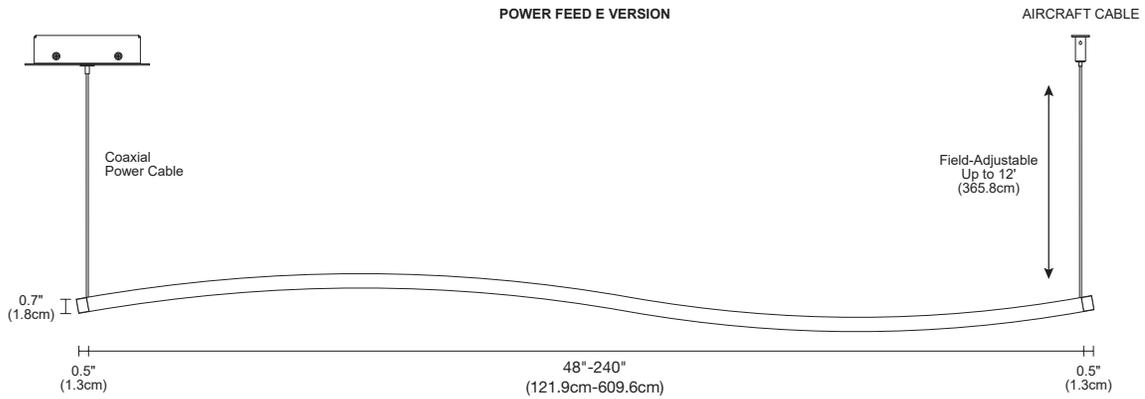


**ZIPP SUSPENSION ADJUSTABLE T-BAR CLIP**

Zipp Suspension Adjustable T-Bar Clip mounts to T-Bar grid ceiling. Available in Satin Nickel hardware as adjustable power and non-power versions.

| Product                      | Type                         | Options   | Finish                           |
|------------------------------|------------------------------|---|----------------------------------|
| <b>CS</b>                    | <b>TBAR</b>                  | <b>A</b>  | <b>W</b>                         |
| <b>CS</b> Channel Suspension | <b>TBAR</b> 9/16" and 15/16" | <b>A</b> Adjustable<br><b>AP</b> Adjustable Power | <b>W</b> White<br><b>B</b> Black |

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| PROJECT | FIXTURE TYPE | DATE |
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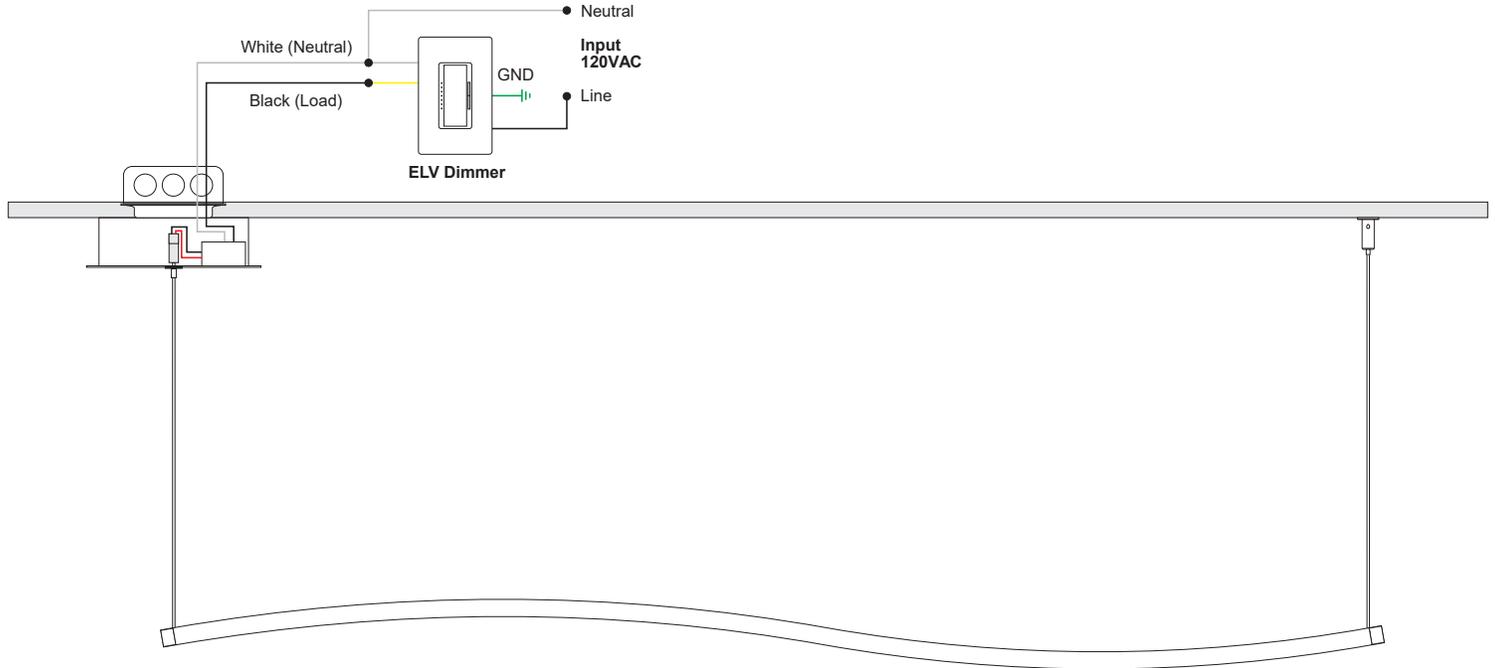
| <b>CANOPY CHART</b> |  |  |   |
|---------------------|--|--|---|
| <b>VERSION</b>      | <b>2" or 4" FLUSH CANOPY</b><br>(60 WATTS NON-IC, 50 WATTS IC) | <b>5" SURFACE MOUNT CANOPY</b><br>(60 WATTS) | <b>6" SURFACE MOUNT CANOPY</b><br>(100 WATTS) |
| <b>5W Lengths</b>   | up to 120"   | 123" - 144"                                  | 146" - 240"                                   |
| <b>7W Lengths</b>   | up to 80"  | 84" - 96"                                    | 98" - 154"                                    |

|         |  |              |  |      |  |
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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**Wiring Diagram:** Wiring diagram for Static White with ELV Dimmer

**Application:** ELV dimming for Zipp Wave Suspension with Power, End Feed Canopy, Static White

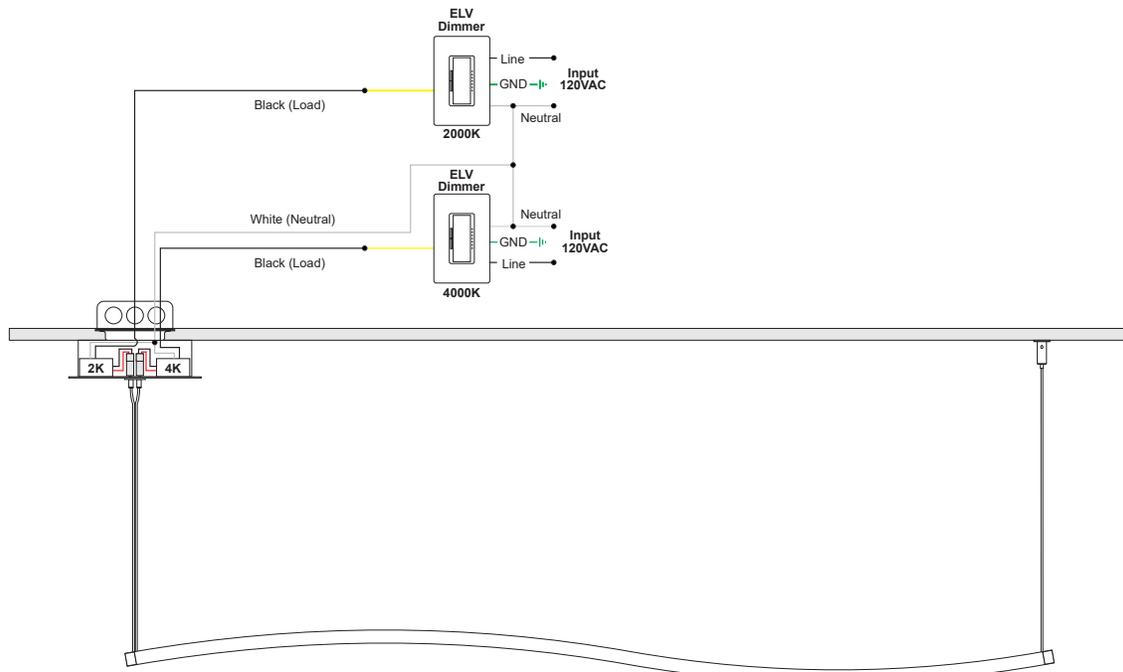
**Dimming:** Dimmable with ELV dimmer: Philips: Sunrise SR1200ZTUNV; Lutron: Diva DDTV-WH, Nova-T NTSTV-DV-XX, Grafix Eye QS QSGRJ-XP, Radio RA2 RRD-1-ND; Leviton: LEV40050, IP710-LFZ; Legrand ADPD4FBL3P2W4



**Wiring Diagram:** Wiring diagram for Tunable White with Dual ELV Dimmers

**Application:** ELV dimming for Zipp Wave Suspension with Power, End Feed Canopy, Tunable White 2000K-4000K

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



|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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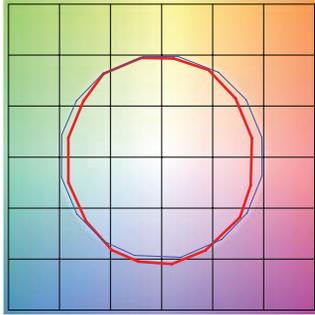
# TM30 DATA

## LED SUSPENSION DOWNLIGHT WITH POWER - END FEED

**TM-30-15 DATA:** The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

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

Color Vector Graphic

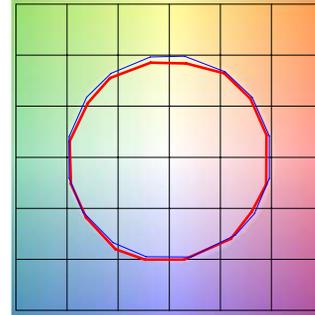


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 78.8 | -9.5%  | 1.3%   |
| 2                | 80.7 | -7.8%  | 6.7%   |
| 3                | 78.2 | -3.3%  | 9.4%   |
| 4                | 89.7 | -2.8%  | 3.6%   |
| 5                | 93.2 | -0.8%  | 2.6%   |
| 6                | 93.0 | -0.6%  | -0.7%  |
| 7                | 87.7 | -5.9%  | -3.5%  |
| 8                | 89.2 | -6.8%  | 1.9%   |
| 9                | 83.4 | -5.6%  | 6.0%   |
| 10               | 79.3 | -3.7%  | 10.8%  |
| 11               | 81.4 | 2.9%   | 11.1%  |
| 12               | 84.9 | 5.3%   | 4.9%   |
| 13               | 88.1 | 4.9%   | -10.1% |
| 14               | 68.1 | 0.1%   | -19.5% |
| 15               | 86.0 | -3.3%  | -7.3%  |
| 16               | 76.4 | -8.9%  | -11.7% |

**2400K** | Rf: 84.5 | Rg: 94.4

Color Vector Graphic

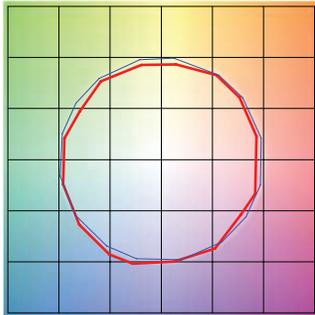


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 92   | -2.4%  | 1.5%  |
| 2                | 94.7 | -2.1%  | -0.0% |
| 3                | 95.4 | -1.9%  | -0.1% |
| 4                | 88.7 | -6.7%  | -3.1% |
| 5                | 92.8 | -5.6%  | 1.0%  |
| 6                | 92.7 | -3.4%  | 3.4%  |
| 7                | 89.9 | -4.3%  | 4.1%  |
| 8                | 92.4 | -1.4%  | 4.4%  |
| 9                | 89   | -0.6%  | 5.8%  |
| 10               | 88.9 | 0.4%   | 6.2%  |
| 11               | 89.7 | 4.0%   | 5.4%  |
| 12               | 92.6 | 3.0%   | -0.7% |
| 13               | 90.9 | 1.1%   | -7.0% |
| 14               | 89.9 | 0.5%   | -5.8% |
| 15               | 92.1 | -3.2%  | 0.1%  |
| 16               | 88.9 | -1.7%  | -6.3% |

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

Color Vector Graphic

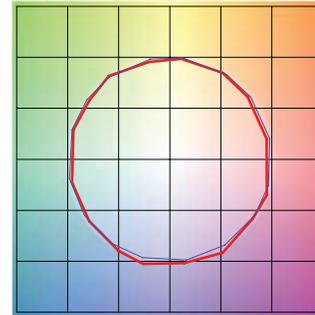


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 88.0 | -4.3%  | 2.6%  |
| 2                | 91.6 | -2.4%  | 2.0%  |
| 3                | 93.7 | -1.4%  | 1.9%  |
| 4                | 88.9 | -5.6%  | -3.1% |
| 5                | 92.3 | -5.5%  | -0.5% |
| 6                | 92.9 | -3.5%  | 0.1%  |
| 7                | 84.5 | -7.5%  | 4.6%  |
| 8                | 90.8 | -3.0%  | 4.4%  |
| 9                | 84.5 | -1.3%  | 8.3%  |
| 10               | 83.9 | 2.0%   | 9.8%  |
| 11               | 87.2 | 5.3%   | 7.1%  |
| 12               | 89.2 | 5.4%   | -2.6% |
| 13               | 88.7 | 0.3%   | -7.8% |
| 14               | 86.8 | 1.7%   | -9.3% |
| 15               | 87.6 | -5.4%  | -1.3% |
| 16               | 83.6 | -3.3%  | -9.5% |

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

Color Vector Graphic

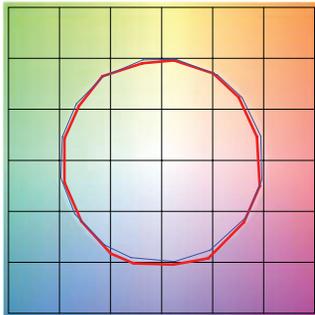


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 92.5 | -3.1%  | 0.3%  |
| 2                | 93.3 | -2.3%  | 1.9%  |
| 3                | 90.9 | -0.8%  | 3.9%  |
| 4                | 94.3 | -1.1%  | 1.4%  |
| 5                | 92.5 | -2.6%  | 1.5%  |
| 6                | 96.4 | 1.2%   | -0.3% |
| 7                | 92.6 | -2.5%  | -0.0% |
| 8                | 96.9 | -1.4%  | 0.2%  |
| 9                | 92.3 | -1.8%  | 4.3%  |
| 10               | 86.6 | -0.7%  | 7.0%  |
| 11               | 86.5 | 2.4%   | 8.2%  |
| 12               | 89.8 | 5.9%   | 1.7%  |
| 13               | 93.9 | 2.6%   | -2.7% |
| 14               | 89.4 | 5.1%   | -5.8% |
| 15               | 90.1 | -0.1%  | -4.7% |
| 16               | 86.5 | 0.3%   | -9.7% |

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

Color Vector Graphic

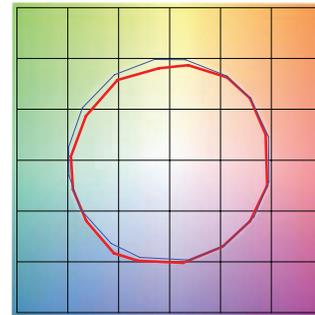


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 90.8 | -3.8%  | 0.3%  |
| 2                | 92.3 | -2.8%  | 2.1%  |
| 3                | 89.7 | -1.0%  | 4.3%  |
| 4                | 92.6 | -1.4%  | 1.7%  |
| 5                | 91.8 | -3.1%  | 1.3%  |
| 6                | 96.2 | 0.8%   | -0.4% |
| 7                | 92.9 | -3.2%  | 0.2%  |
| 8                | 94.3 | -2.5%  | 1.5%  |
| 9                | 90.4 | -2.5%  | 5.2%  |
| 10               | 84.3 | -1.4%  | 9.5%  |
| 11               | 83.1 | 3.5%   | 9.8%  |
| 12               | 88.2 | 4.8%   | 3.4%  |
| 13               | 94.0 | 2.7%   | -2.0% |
| 14               | 88.7 | 5.9%   | -5.8% |
| 15               | 88.7 | 0.7%   | -5.9% |
| 16               | 86.8 | -0.7%  | -6.7% |

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

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |       |
|------------------|------|--------|-------|
| HUE BIN          | Rf   | CHROMA | HUE   |
| 1                | 88.9 | -2.4%  | 2.5%  |
| 2                | 93.3 | -0.4%  | 0.8%  |
| 3                | 94.8 | -1.0%  | -0.6% |
| 4                | 87.9 | -4.9%  | -3.6% |
| 5                | 85.3 | -9.4%  | -2.6% |
| 6                | 90.2 | -6.0%  | 0.2%  |
| 7                | 85.3 | -7.6%  | 4.6%  |
| 8                | 83.7 | -4.1%  | 8.2%  |
| 9                | 79.5 | -1.1%  | 13.8% |
| 10               | 78.6 | 1.5%   | 12.1% |
| 11               | 83.5 | 6.4%   | 7.8%  |
| 12               | 90.9 | 3.6%   | -1.1% |
| 13               | 88.3 | 1.7%   | -6.3% |
| 14               | 91.9 | -0.4%  | -2.2% |
| 15               | 84.5 | -0.9%  | -5.5% |
| 16               | 84.7 | -1.1%  | -4.4% |

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

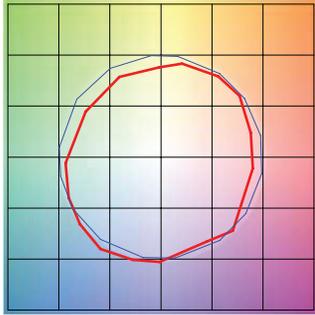
# TM30 DATA

## LED SUSPENSION DOWNLIGHT WITH POWER - END FEED

**TM-30-15 DATA:** The data below is for SS2C, SS5C, SS7C, and SS10C 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.

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

Color Vector Graphic

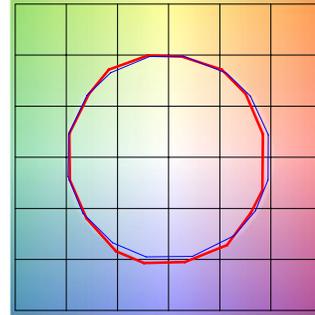


■ Test ■ Reference

| GRAPHIC SHIFTS % |      |        |        |
|------------------|------|--------|--------|
| HUE BIN          | Rf   | CHROMA | HUE    |
| 1                | 75.4 | -8.9%  | 4.7%   |
| 2                | 87.5 | -2.6%  | 4.6%   |
| 3                | 90.7 | -3.0%  | -0.5%  |
| 4                | 83.2 | -6.0%  | -5.7%  |
| 5                | 76.2 | -12.9% | -5.3%  |
| 6                | 81.4 | -11.9% | -2.6%  |
| 7                | 74.8 | -14.0% | 5.1%   |
| 8                | 69.0 | -9.0%  | 14.1%  |
| 9                | 72.6 | -3.6%  | 22.2%  |
| 10               | 71.4 | 2.7%   | 16.1%  |
| 11               | 81.3 | 7.9%   | 5.3%   |
| 12               | 83.6 | 4.1%   | -9.4%  |
| 13               | 78.4 | 0.7%   | -15.3% |
| 14               | 77.7 | -6.2%  | -11.0% |
| 15               | 68.8 | -1.3%  | -21.2% |
| 16               | 80.8 | -9.6%  | 3.3%   |

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

Color Vector Graphic

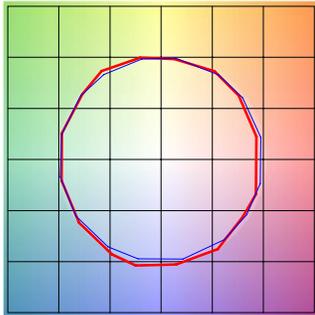


■ Test ■ Reference

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

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

Color Vector Graphic



■ Test ■ Reference

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

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