

# VIA STIL

ACOUSTIX - STATIC WHITE, BIO ST/DY

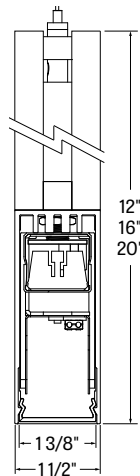
# LUMENWERX

Project: \_\_\_\_\_

Type: \_\_\_\_\_



Section View



Via Stil is a seamless, ultra-compact, acoustic and flexible linear LED luminaire system for pendant installation. Carefully crafted with environmentally responsible acoustic material with excellent sound absorption that integrates beautifully with the extruded aluminum linear portion of the luminaire. The warmth of the acoustic polyester transitions pleasantly to the recycled aluminum form. Via Stil is available in specific sizes and continuous runs. Via Stil is available in Static White and Biologically optimized lighting. Chromawerx QUADRO, DUO and SOLA are also available, see separate spec sheets.

## Performance



























































































Based on 3500K, 80CRI

| DISTRIBUTION | TOTAL LUMENS PER 4FT | EFFICACY lm/W |
|--------------|----------------------|---------------|
| Direct       | 2000 lm              | 74 lm/W       |

## Order Guide

| LUMINAIRE ID                          | DISTRIBUTION      | OPTICS   | LIGHT SOURCE  | CRI  | LUMEN PACKAGES   |
|---------------------------------------|-------------------|--|---|--|--|
| <b>VIASACOP</b>                       | <b>D</b>          | <b>HLO</b>                                       |   |  |  |
| <b>VIASACOP</b> -<br>Via Stil Pendant | <b>D</b> - Direct | <b>HLO</b> - High-Efficiency<br>Lambertian Optic | <b>SW</b> - Static white<br><b>BIOS-ST</b> - Static biologically-optimized<br>lighting<br><b>BIOS-DY</b> <sup>1</sup> - Dynamic biologically-optimized<br>lighting<br><br><sup>1</sup> Available for fixture lengths of 4' or longer. | <b>80</b> - 80CRI<br><b>90</b> <sup>2</sup> - 90CRI<br><br><sup>2</sup> Not available with BIOS. | <b>350</b> - Min. low output 350lm/ft<br><b>500</b> - Medium output 500lm/ft<br><b>750</b> <sup>3</sup> - Max. high output 750lm/ft<br><br><sup>3</sup> Not available with BIOS. |

| COLOR TEMP   | LUMINAIRE LENGTH   | LUMINAIRE HEIGHT  | VOLTAGE   | DRIVER   | ELECTRICAL  |
|--|--|---|---|--|---|
| <b>27</b> <sup>4</sup> - 2700K<br><b>30</b> - 3000K<br><b>35</b> - 3500K<br><b>40</b> - 4000K<br><br><sup>4</sup> Not available with BIOS. | <b>Individual sections:</b> 2', 4', 6'<br><b>Continuous runs</b> <sup>5</sup> : lengths over 6'<br><br><b>#FT</b> - Specify nominal length (#) in 2 foot increments<br><br><sup>5</sup> Continuous runs are made up of 2', 4' and 6' sections. | <b>12</b> - 12 inches<br><b>16</b> - 16 inches<br><b>20</b> - 20 inches | <b>120</b> - 120V<br><b>277</b> - 277V<br><b>UNV</b> - 120V-277V<br><b>347</b> <sup>6</sup> - 347V<br><br><sup>6</sup> Not available with Lutron. | <b>D1</b> - 1% 0-10V<br><b>DA</b> <sup>7</sup> - DALI<br><b>LTEA2W</b> - Lutron 1% - 2 wire FP 120V<br><b>LDE1</b> <sup>7</sup> - Lutron Hi-lume 1% Eco<br><b>LDE5</b> <sup>7</sup> - Lutron 5% EcoSystem<br><br><sup>7</sup> On-site commissioning is required. | <b>1</b> - 1 circuit<br><b>+EB</b> <sup>8,9</sup> - Emergency battery<br><b>+EM</b> - Emergency light circuit<br><b>+NLT</b> - Night light circuit<br><br><sup>8</sup> Available for fixture lengths of 4' or longer.<br><sup>9</sup> Not available with BIOS-DY. |

| MOUNTING   | FIXTURE FINISH  | FELT COLOR  |                 | OPTIONS   |   |   |   |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |
|--|---|---|-----------------|---|---|---|---|--|---|------------|---|------------|---|---|---|---|---|------------|---|------------|---|---|---|---|---|------------|---|------------|---|---|---|---|---|------------|---|------------|---|---|---|---|---|------------|---|------------|---|---|---|---|---|
| <p><b>53WAC36W</b><sup>10</sup> - 36" aircraft cable, white canopies (5" power + 3" non-power), white power cord</p> <p><b>53WAC36B</b><sup>10</sup> - 36" aircraft cable, white canopies (5" power + 3" non-power), black power cord</p> <p><b>55WSW18</b> - 18" white stem, white canopies (5" power + 5" non power)</p> <p><sup>10</sup> Power cord is 6" longer than suspension length. Consult factory for other lengths.</p> <p><a href="#">For all other options, refer to our Pendant Mounting Guide</a></p> | <p><b>AL</b> - Aluminum</p> <p><b>B</b> - Matte black</p> <p><b>W</b> - Matte white</p> <p><b>CF#</b> - Custom finish, specify RAL#</p> | <table><tr><th colspan="2">STANDARD COLORS</th><th colspan="4">PREMIUM COLORS<sup>11 12</sup></th></tr><tr><td></td><td><b>FWN</b></td><td></td><td><b>LVN</b></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td><b>FON</b></td><td></td><td><b>LEN</b></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td><b>ION</b></td><td></td><td><b>CYN</b></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td><b>TBN</b></td><td></td><td><b>PMN</b></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td><b>MDN</b></td><td></td><td><b>FGN</b></td><td></td><td></td><td></td><td></td></tr></table> <p><sup>11</sup> Please consult factory for more color options.</p> <p><sup>12</sup> Lead time may vary.</p> | STANDARD COLORS |   | PREMIUM COLORS <sup>11 12</sup>   |   |   |  |  | <b>FWN</b> |  | <b>LVN</b> |  |  |  |  |  | <b>FON</b> |  | <b>LEN</b> |  |  |  |  |  | <b>ION</b> |  | <b>CYN</b> |  |  |  |  |  | <b>TBN</b> |  | <b>PMN</b> |  |  |  |  |  | <b>MDN</b> |  | <b>FGN</b> |  |  |  |  | <p><b>FU</b> - Fuse</p> <p><b>TB#</b> - T-bar caddy clip, specify grid size</p> <p><b>TG#</b> - Tegular caddy clip, specify grid size</p> <p><b>ST</b> - Screw slots caddy clip</p> <p><b>CU</b> - Custom</p> |
| STANDARD COLORS  |   | PREMIUM COLORS <sup>11 12</sup>   |                 |   |   |   |   |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |
|   | <b>FWN</b>  |    | <b>LVN</b>      |  |  |  |  |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |
|   | <b>FON</b>  |    | <b>LEN</b>      |  |  |  |  |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |
|   | <b>ION</b>  |    | <b>CYN</b>      |  |  |  |  |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |
|   | <b>TBN</b>  |    | <b>PMN</b>      |  |  |  |  |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |
|   | <b>MDN</b>  |    | <b>FGN</b>      |  |  |  |  |  |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |            |   |            |   |   |   |   |   |

# VIA STIL

ACOUSTIX - STATIC WHITE, BIO ST/DY

# LUMENWERX

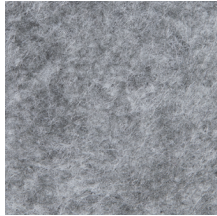
Project: \_\_\_\_\_

Type: \_\_\_\_\_

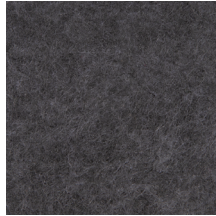
## Standard Color Options



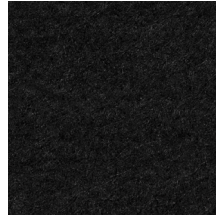
**FWN** - FROST WHITE



**FON** - FOG



**ION** - IRON



**TBN** - TRUE BLACK



**MDN** - MIDNIGHTBLUE



**LVN** - LAVENDER



**LEN** - LATTE



**CYN** - CHERRY



**PMN** - PLUM



**FGN** - FORESTGREEN

## Premium Color Options\*



**PKN** - PAPRIKA



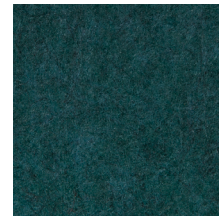
**OCN** - ORANGE



**LNN** - LEMON



**LMN** - LIME



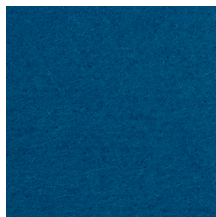
**EGN** - EVERGREEN



**CDN** - CLOUDY



**LCN** - LICHEN



**SYN** - SKY



**BLN** - BLUEBERRY



**NVN** - NAVY



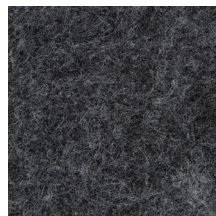
**IVN** - IVORY



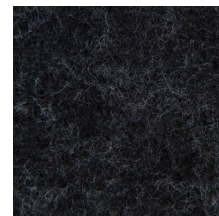
**SLN** - STEEL



**CNN** - CARBON



**GHN** - GRAPHITE



**CLN** - CHARCOAL



**BHN** - BLUSH



**CFN** - CAFÉ



**GRN** - GREIGE



**MON** - MOCHA



**ESN** - ESPRESSO

\*Please consult factory  
for more color options.  
\*Lead time may vary.

## ACOUSTIC CALCULATOR

Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic luminaires required in a space by fixture type. We have three levels of recommended sound reduction: good, better, and best. Choosing one of these options will reduce the sound accordingly. The best option indicates the best acoustic improvement. Calculations are based on a standard ceiling height of 9 feet.



- 1 Calculate the square feet of your room (L x W).
- 2 Choose the level of acoustical improvement you are looking for, and find the corresponding value based on your room dimension and luminaire configuration.

| % in reduction in reverberation time |        |     |
|--------------------------------------|--------|-----|
| 😊                                    | GOOD   | 25% |
| 😊😊                                   | BETTER | 40% |
| 😊😊😊                                  | BEST   | 50% |

| LENGTH | HEIGHT | Room dimensions under 300 sq ft |              |             | Room dimensions over 300 sq ft |              |             |
|--------|--------|---------------------------------|--------------|-------------|--------------------------------|--------------|-------------|
|        |        | GOOD<br>😊                       | BETTER<br>😊😊 | BEST<br>😊😊😊 | GOOD<br>😊                      | BETTER<br>😊😊 | BEST<br>😊😊😊 |
| 2 Feet | 12"    | 9.5                             | 4.5          | 3           | 14.5                           | 7.5          | 5           |
|        | 16"    | 14.5                            | 7            | 4           | 22.5                           | 11           | 7           |
|        | 20"    | 19                              | 9.5          | 6           | 29                             | 14.5         | 9.5         |
| 4 Feet | 12"    | 19                              | 9            | 6           | 29                             | 15           | 10          |
|        | 16"    | 29                              | 14           | 8           | 45                             | 22           | 14          |
|        | 20"    | 38                              | 19           | 12          | 58                             | 29           | 19          |
| 6 Feet | 12"    | 28.5                            | 13.5         | 9           | 43.5                           | 22.5         | 15          |
|        | 16"    | 43.5                            | 21           | 12          | 67.5                           | 33           | 21          |
|        | 20"    | 57                              | 28.5         | 18          | 87                             | 43.5         | 28.5        |

- 3 Use the Lumenwerx Acoustix Value Formula to determine the number of luminaires needed in the room.

$$\text{Square feet} \div \text{Value} = \text{Number of luminaires}$$

Example:

**Luminaires:** Via Stil, 4 ft long, 20" high

**Room square feet:** L: 20 ft x W: 18 ft = 360 sq ft

**Desired acoustical improvement:** Better = 29

**Number of luminaires needed in the room:**  $360 \div 29 = 13$  luminaires

### NOTES:

- You can mix lit and blank fixtures.
- Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.

## Technical Specifications

### OPTICS

High-Efficiency Lambertian Optic (HLO) - shielding of diffusing 0.075" thick acrylic provides up to 88% transmission and good source obscuration. Matte white reflectors distribute LED output across the shielding. Luminaire brightness is controlled by the ratio of luminous flux to shielding area.

### LIGHT SOURCE - LED

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance.

### LUMINAIRE LENGTH

Via Stil is made up of standard 2, 4, and 6 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 feet.

All individual sections are joined together onsite using the joiner kits provided. Lumenwerx joiner kits are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), Lutron 5-Series (5% Ecosystem), DMX (RDM compatible) and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

### EMERGENCY REMOTE

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1000 lumens per 4ft (25°C) emergency lighting output. Recharge time of 24 hours.

### WEIGHT

Via Stil 2ft - 6.84lbs - 3.10kg

Via Stil 4ft - 13.68lbs - 6.20kg

Via Stil 6ft - 41.04lbs - 9.30kg

### MOUNTING OPTIONS

**For cable-mounted fixtures** - 53WAC36 (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" cable)

**For stem mounted fixtures** - 55WSW18 (5" white canopy for all power mounting point, and non power mounting point, and a 18" white stem)

Caddy clips, if required specify under OPTIONS

### CONSTRUCTION

**Housing** - Extruded aluminum (0.095" nominal) up to 90% recycled content

**Interior brackets** - Die formed cold rolled sheet steel 18 gauge thick

**Joining system** - Die cast zinc (0.95" nominal)

**Reflectors** - Cold rolled steel 0.024" thick precisely die formed, 95% reflective matte white painted

**Diffuser** - 0.075" thick acrylic, 88% transmission

**End caps** - Die cast aluminum (0.95" nominal)

**Hanger** - Chromed Griplock securely attached with spring steel hardware in end caps and/or joiners

**Aircraft cable suspension** - 7x7 braids aluminum aircraft cable 0.06" thick

**Stem** - 0.5" diameter threaded steel tube matte white or aluminum powder coating. Custom finishes are also available.

### FINISH

**Interior** - 95%, reflective matte powder coated white paint

**Exterior** - Powder-coat paint in standard white, black, or aluminum. Custom colors are available (provide RAL #).

### ACOUSTIC FINISH

Material is 100% polyester containing up to 50% of recycled plastic bottles (PET) with an ASTM E-84 Class A fire rating and is moisture resistant.

### CARE

Remove dust and debris with a clean, dry, soft, lint-free cloth, or vacuum.

### ENVIRONMENT

Ambient temperature at fixture location shall not exceed 30°C/86°F. For indoor use only.

### CERTIFICATIONS

**ETL** - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

### WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

# VIA STIL

ACOUSTIX - STATIC WHITE, BIO ST/DY

# LUMENWERX

Project: \_\_\_\_\_

Type: \_\_\_\_\_



**WELL for Light** - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:

- Feature 54 or L03 when BIOS LED is selected
- Feature 55 or L04 meets WELL glare category (a-c-d)
- Feature 58 or L07 when 90CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.



**WELL for Sound** - This luminaire is recommended for use as an acoustical absorption surface to limit reverberation times (RT) in a given space. This luminaire contributes to noise reduction and vibration dampening to promote focus and concentration. Reverberation needs to be calculated in each space based on the materials used.

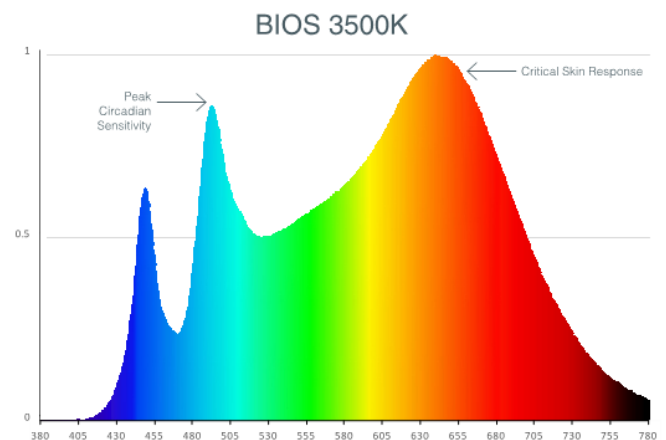


**WELL for Mind** - This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, smooth optics, and a sound diminishing element. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

**For more information please contact [well@lumenwerx.com](mailto:well@lumenwerx.com).**

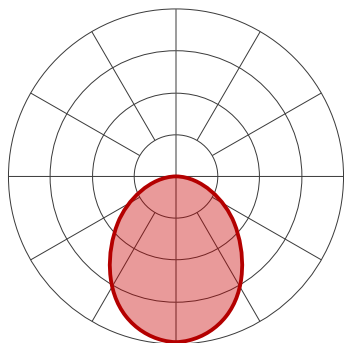


BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being. The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (460 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



## Photometrics

Please follow the multiplier tables to ensure correct lumen value. Lensing, CCT and CRI, will change the lumen output.



HLO

### HLO-FH Delivered Lumens for Flush at 35K 80CRI

| Lumens per Foot | Total Lumens Per 4FT | Input Watts | LPW |
|-----------------|----------------------|-------------|-----|
| 350             | 1400                 | 19.5        | 72  |
| 500             | 2000                 | 27          | 74  |
| 750             | 3000                 | 41          | 73  |

### Multiplier - CCT/CRI

| CCT (K) | Watts Multiplier |       | LPW Multiplier |       |
|---------|------------------|-------|----------------|-------|
|         | CRI80            | CRI90 | CRI80          | CRI90 |
| 2700    | 1.05             | 1.26  | 0.95           | 0.79  |
| 3000    | 1.01             | 1.23  | 0.99           | 0.81  |
| 3500    | 1.00             | 1.20  | 1.00           | 0.84  |
| 4000    | 1.00             | 1.17  | 1.00           | 0.85  |

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.