

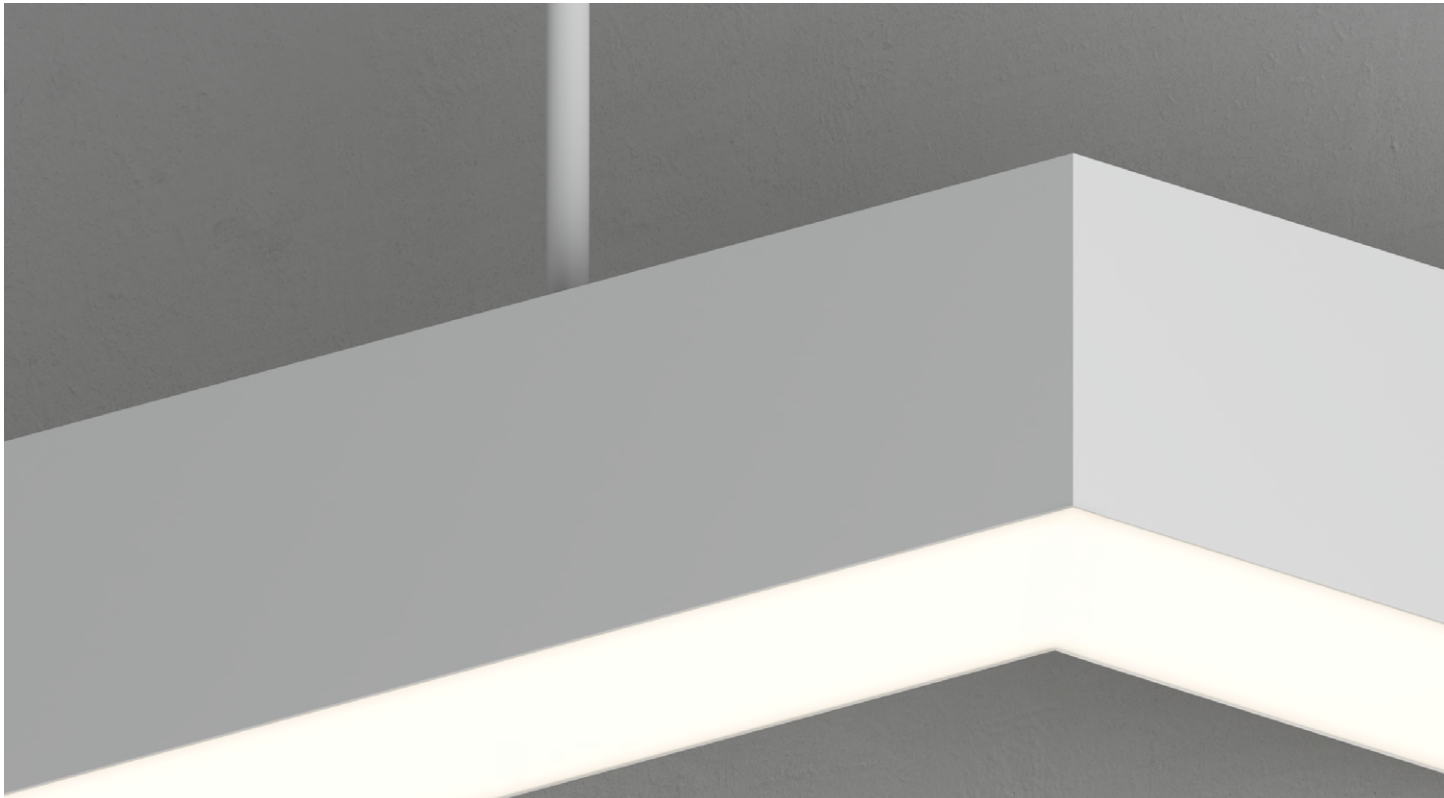
# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS

SEALWERX SERIES

**Lumenwerx**



The Via Seal Collection is engineered for environments where performance is critical. Designed to withstand the harshest conditions, Via Seal fixtures feature ingress protection ratings from IP44 to IP66 and an impact protection rating of IK08. These luminaires provide robust defense against dust, water, and physical damage, all while maintaining the visual continuity and design flexibility of the sleek Via product line.

### IP RATINGS

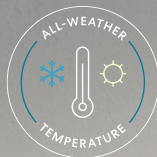
- IP66
- IP65
- IP65EC
- IP64
- IP54
- IP44

### LIGHT SOURCE

- Static White
- Full Spectrum Static White
- BIOS

### UP TO

IK08



**SENSORS**  
For latest information on sensors, click [here](#).



Via Seal Brochure

# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS



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

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

**SEALWERX SERIES**

## Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT 1,2	DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE 5	
<b>V4SEALPPAT</b>						
<b>V4SEALPPAT</b> - Via 4" Seal Pendant Pattern	<b>D</b> - Direct <b>DI</b> - Direct/Indirect	<u>Direct:</u> <b>IP66</b> - IP66-Rated <b>IP65EC</b> - IP65-Rated Electrical Components <b>IP64</b> - IP64-Rated <b>IP54</b> - IP54-Rated <b>IP44</b> - IP44-Rated  <sup>1</sup> See page 5 to 6 for more information on the features and installation details for each environment option. <sup>2</sup> Fixture must be installed horizontally with direct lens facing down.	<u>Direct/Indirect:</u> <b>IP65</b> - IP65-Rated <b>IP64</b> - IP64-Rated <b>IP44</b> - IP44-Rated	<b>EPDO</b> - Environmentally Protected Direct Optic <b>ASDO</b> - Asymmetric Soft Direct Optic	<b>EPIO</b> - Environmentally Protected Indirect Optic <b>ASIO</b> 3 - Asymmetric Soft Indirect Optic <b>WIO2</b> 4 - Widespread Indirect Optic <b>NA</b> - Not applicable  <sup>3</sup> Not available with BIOS. <sup>4</sup> Not available with BIOSTU.	<b>SW</b> - Static white <b>FS</b> - Full spectrum static white  <b>BIOSS</b> 6 - BIOS Biological Static <b>BIOSDY</b> 6 - BIOS Biological Dynamic <b>BIOSTU</b> 6 - BIOS Biological Tunable  <sup>5</sup> Chromawerx SOLA and DUO also available. Consult factory for RGBW. <sup>6</sup> See page 9 for details.
CRI	DIR. LUM. PACK.	INDIR. LUM. PACK. Specify NA for Direct fixture	COLOR TEMP.	PATTERN LENGTH	CORNER TYPE 16	
<b>80CRI</b> 7 - 80+ CRI <b>90CRI</b> 7,8 - 90+ CRI <b>95CRI</b> 9 - 95+ CRI  <sup>7</sup> Not available with full spectrum. <sup>8</sup> Not available with BIOS. <sup>9</sup> Only available with full spectrum.	<b>500LMF</b> - Low output 500 lm/ft <b>750LMF</b> 10 - Medium output 750 lm/ft <b>1000LMF</b> 10,11 - High output 1000 lm/ft  <sup>10</sup> Not available with BIOS. <sup>11</sup> Not available with full spectrum.	<b>500LMF</b> - Low output 500 lm/ft <b>750LMF</b> 12 - Medium output 750 lm/ft <b>1000LMF</b> 12,13 - High output 1000 lm/ft <b>NA</b> - Not applicable  <sup>12</sup> Not available with BIOS. <sup>13</sup> Not available with full spectrum.	<b>27K</b> 14 - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K <b>50K</b> 14 - 5000K  <sup>14</sup> Not available with BIOS.	<b>##FT##IN(##X##FT##IN-##FT##IN-...)</b> 15 -  ##FT##IN: total nominal length of pattern in feet and/or inches #X: quantity of each section ##FT##IN: nominal length of each section in feet and/or inches  Continuous runs: lengths over 12'  <sup>15</sup> - Minimum 2' for Direct. <sup>16</sup> - Minimum 3' for Direct/Indirect.	<b>#LEV2C(A##)</b> - 2-way leveled corner  <b>ANGLE (A##):</b> <b>(A90)</b> - 90° <b>(A##)</b> 17 - Custom  <sup>16</sup> Specify quantity (#) and angle (A##) for each required corner type. If more than one option is specified, separate codes with a "+", e.g. 1LEV2C(A90)+2LEV2C(A60). <sup>17</sup> Minimum angle is 45°.	
VOLTAGE	DRIVER 19	ELECTRICAL	ELECTRICAL SECTIONS (optional) 27,28			
<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V <b>347V</b> 18 - 347V  <sup>18</sup> Available with D1 driver only.	<b>D1</b> - 1% 0-10V <b>ELV</b> 20 - ELV 120V <b>TRI</b> 20 - TRIAC 120V <b>DA</b> 21 - DALI <b>LDE1</b> 21 - Lutron Hi-lume 1% Eco <b>ELD1</b> - eldoLED 1% ECOdrive 0-10V <b>ELD0</b> - eldoLED 0.1% SOLOdrive 0-10V <b>LTD10</b> - Low-temperature 10% 0-10V  <sup>19</sup> See page 5 to 6 for driver temperature ranges. <sup>20</sup> Available with 120V only. <sup>21</sup> On-site commissioning is required.	<b>1C</b> - 1 circuit <b>2C</b> 22 - 2 circuits <b>#MC</b> 23 - Multi circuit <b>EC</b> - Emergency-powered fixture <b>NL</b> - Night light fixture <b>DL</b> - Daylight fixture <b>GTD</b> 24,25,26 - Generator transfer device fixture  <sup>22</sup> Available for Direct/Indirect only. Separate direct and indirect circuits. <sup>23</sup> Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. <sup>24</sup> Minimum 4' fixture. <sup>25</sup> Not available with 347V. <sup>26</sup> Not available for environments where the ambient temperature falls below 0°C (32°F).	<b>#EC##</b> 29 - Emergency-powered section <b>#NL##</b> 29 - Night light section <b>#DL##</b> 29 - Daylight section <b>#GTD##</b> 29,30,31,32 - Generator transfer device section <b>#EMB</b> 31,32,33,34 - Emergency battery <b>NA</b> - None  <sup>27</sup> Specify with multi circuit (#MC) electrical option only. <sup>28</sup> Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. <sup>29</sup> Specify quantity (#), and section length in inches (##). <sup>30</sup> Minimum 4' section. <sup>31</sup> Not available with 347V. <sup>32</sup> Not available for environments where the ambient temperature falls below 0°C (32°F). <sup>33</sup> Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. For Direct/Indirect, minimum 8' fixture. <sup>34</sup> Only available with IP64, IP54 and IP44.			
POWER FEED	MOUNTING 35	FINISH	OPTION			
<b>TF</b>						
<b>TF</b> - Top feed	<b>STS</b> - Stem, standard <b>STC()</b> - Stem, custom  <sup>35</sup> Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>WA</b> - White antimicrobial Silverwerx <b>CF#</b> - Custom finish, specify RAL#	<b>CRF</b> 36 - Corrosion-resistant finish <b>NATA</b> 36 - Natatorium finish <b>MAR</b> 36 - Marine finish <b>NA</b> - None  <sup>36</sup> Only available with IP66, IP65 and IP65EC environment options.			



# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS



## SEALWERX SERIES

## Pendant Mounting Code

### Standard

For a standard mounting, please refer to the information below.

#### MOUNTING

##### STS - Stem, standard

- Ø 5" for power canopy
- Ø 5" for non-power canopy
- Canopies are black for black fixtures, and white for all other fixture finishes
- Stem finish is the same color as fixture
- Stem length is 18"
- Stem is not field adjustable
- Power cord is black for black fixtures, and white for all other fixture finishes

### Custom

#### Stem

For a custom mounting, specify the options in the parentheses.

Example: STC(5NPC-36IN-W-STW-SLS)

#### MOUNTING

##### STC()

	NON-POWER CANOPY SIZE	STEM LENGTH	CANOPY FINISH	STEM COLOR	OPTION
STC	5NPC - Ø 5" non-power canopy	18IN - 18" 36IN - 36" #IN <sup>1</sup> - Specify length in inches  <sup>1</sup> Minimum length is 6". Maximum length is 72". Stem is not field adjustable.	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	STW - Matte white STAL - Aluminum STB - Matte black STCF# - Custom finish, specify RAL#	SLS - Sloped ceiling for stem NA - None

# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS



SEALWERX SERIES

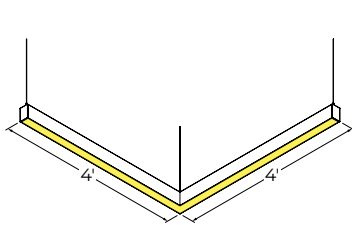
## Pattern Layout

CORNER TYPES

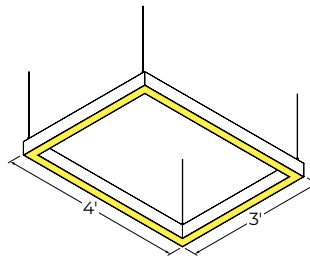
### LEVELED CORNER



EXAMPLES



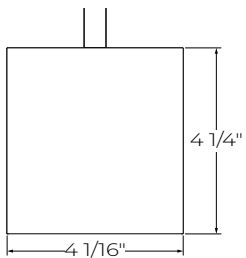
8FT(2X4FT)-1LEV2C(A90)



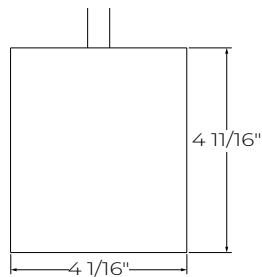
14FT(2X4FT-2X3FT)-4LEV2C(A90)

## Dimensions

DIRECT



DIRECT/INDIRECT



# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS



**SEALWERX SERIES**

## Environment Options

Direct				
IP66	IP65EC <small>Electrical Components</small>	IP64	IP54	IP44
Dust tight   High water resistance	Dust tight   Moderate water resistance	Dust tight   Water splash resistance	Dust protected   Water splash resistance	Particles larger than 1mm protected   Water splash resistance
Directly exposed to the elements	Moderate exposure to the elements	OUTDOOR Under canopy, slightly exposed		Under canopy, not exposed
Wipe down application Healthcare application Cleanroom application	INDOOR Wipe down application Healthcare application			
<p>external end cap gasket</p>		<p>internal end cap gasket</p>		
External joiner gasket every 12'	Continuous line of light over 12'	External joiner gasket every 12'	Internal joiner gasket with soft shadow line every 12'	Continuous line of light over 12'
<b>Driver:</b> in a sealed enclosure <b>Electrical connections:</b> water and dust proof				
<b>LED boards:</b> conformal coated for maximum protection				
<b>Protective finish options:</b> Corrosion-resistant, Natatorium and Marine				

### Ambient Temperature Range

based on driver selection

	LDE1	ELV / TRI	DA / ELD1 / ELD0	D1	LTD10
Minimum temperature:	0 °C / 32 °F	-10 °C / 14 °F	-20 °C / -4 °F	-30 °C / -22 °F	-40 °C / -40 °F
Maximum temperature:	40 °C / 104 °F				



# VIA 4 SEAL

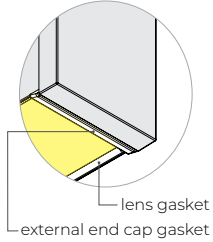
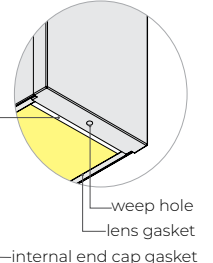
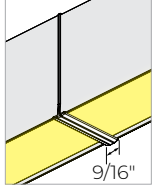
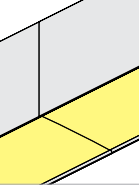
PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS



**SEALWERX SERIES**

## Environment Options

Direct/Indirect		
<b>IP65</b>	<b>IP64</b>	<b>IP44</b>
Dust tight   Moderate water resistance	Dust tight   Water splash resistance	Particles larger than 1mm protected   Water splash resistance
Moderate exposure to the elements	OUTDOOR Under canopy, slightly exposed	Under canopy, not exposed
Wipe down application Healthcare application Cleanroom application	INDOOR Wipe down application Healthcare application	
		
External joiner gasket every 12' 	Continuous line of light over 12' 	
<b>Driver:</b> in a sealed enclosure <b>Electrical connections:</b> water and dust proof		
<b>LED boards:</b> conformal coated for maximum protection		
<b>Protective finish options:</b> Corrosion-resistant, Natatorium and Marine		

## Ambient Temperature Range

based on driver selection

	LDE1	ELV / TRI	DA / ELD1 / ELD0	D1	LTD10
Minimum temperature:	0 °C / 32 °F	-10 °C / 14 °F	-20 °C / -4 °F	-30 °C / -22 °F	-40 °C / -40 °F
Maximum temperature:	40 °C / 104 °F				



# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS



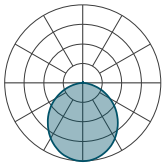
## SEALWERX SERIES

### Photometrics

Values calculated based on a 4' fixture at 3500K for all optics.

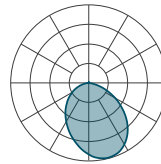
#### DIRECT

EPDO



LM/FT	W/FT	LM/W
500	4.9	101
750	7.7	98
1000	10.5	95

ASDO



LM/FT	W/FT	LM/W
500	4.4	113
750	7	107
1000	9.7	103

#### MULTIPLIERS

Use this table to get results for different color temperatures for all photometric tables.

CCT	WATTS		LPW
	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI
2700K	1.05		0.95
3000K	1.02		0.98
3500K	1.00		1.00
4000K	1.00		1.00
5000K	0.96		1.04

# VIA 4 SEAL

PENDANT PATTERN

STATIC WHITE, FULL SPECTRUM, BIOS

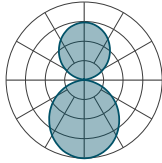


## SEALWERX SERIES

### Photometrics

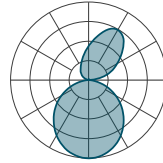
Values calculated based on a 4' fixture at 3500K for all optics.

#### DIRECT/INDIRECT



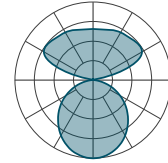
EPDO - EPIO

		LM/FT		W/FT	LM/W
		D	I	TOTAL LM/FT	
EPDO	EPIO				
	500	500	1000	10.1	99
500	750	750	1250	13.2	95
	1000	1000	1500	16.3	92
750	500	500	1250	12.9	97
	750	750	1500	15.8	95
	1000	1000	1750	19.0	92
1000	500	500	1500	15.8	95
	750	750	1750	18.8	93
	1000	1000	2000	22.0	91



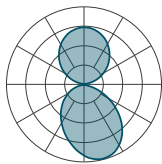
EPDO - ASIO

		LM/FT		W/FT	LM/W
		D	I	TOTAL LM/FT	
EPDO	ASIO				
	500	500	1000	9.2	109
500	750	750	1250	11.6	108
	1000	1000	1500	14.2	106
750	500	500	1250	11.9	105
	750	750	1500	14.3	105
	1000	1000	1750	16.8	104
1000	500	500	1500	14.9	101
	750	750	1750	17.2	102
	1000	1000	2000	19.8	101



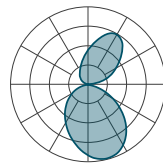
EPDO - WIO2

		LM/FT		W/FT	LM/W
		D	I	TOTAL LM/FT	
EPDO	WIO2				
	500	500	1000	9.1	110
500	750	750	1250	11.5	109
	1000	1000	1500	14.0	107
750	500	500	1250	11.8	106
	750	750	1500	14.2	106
	1000	1000	1750	16.7	105
1000	500	500	1500	14.7	102
	750	750	1750	17.2	102
	1000	1000	2000	19.6	102



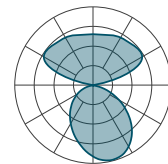
ASDO - EPIO

		LM/FT		W/FT	LM/W
		D	I	TOTAL LM/FT	
ASDO	EPIO				
	500	500	1000	9.6	104
500	750	750	1250	12.6	99
	1000	1000	1500	15.8	95
750	500	500	1250	12.1	103
	750	750	1500	15.2	99
	1000	1000	1750	18.4	95
1000	500	500	1500	14.9	101
	750	750	1750	17.9	98
	1000	1000	2000	21.3	94



ASDO - ASIO

		LM/FT		W/FT	LM/W
		D	I	TOTAL LM/FT	
ASDO	ASIO				
	500	500	1000	8.6	116
500	750	750	1250	11.1	113
	1000	1000	1500	13.6	110
750	500	500	1250	11.2	112
	750	750	1500	13.6	110
	1000	1000	1750	16.2	108
1000	500	500	1500	14.0	107
	750	750	1750	16.4	107
	1000	1000	2000	18.9	106



ASDO - WIO2

		LM/FT		W/FT	LM/W
		D	I	TOTAL LM/FT	
ASDO	WIO2				
	500	500	1000	8.5	117
500	750	750	1250	11.0	114
	1000	1000	1500	13.5	111
750	500	500	1250	11.2	112
	750	750	1500	13.5	111
	1000	1000	1750	16.1	109
1000	500	500	1500	13.9	108
	750	750	1750	16.2	108
	1000	1000	2000	18.9	106

#### MULTIPLIERS

Use this table to get results for different color temperatures for all photometric tables.

CCT	WATTS		LPW
	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI	
2700K	1.05	0.95	
3000K	1.02	0.98	
3500K	1.00	1.00	
4000K	1.00	1.00	
5000K	0.96	1.04	

# VIA 4 SEAL

PENDANT PATTERN

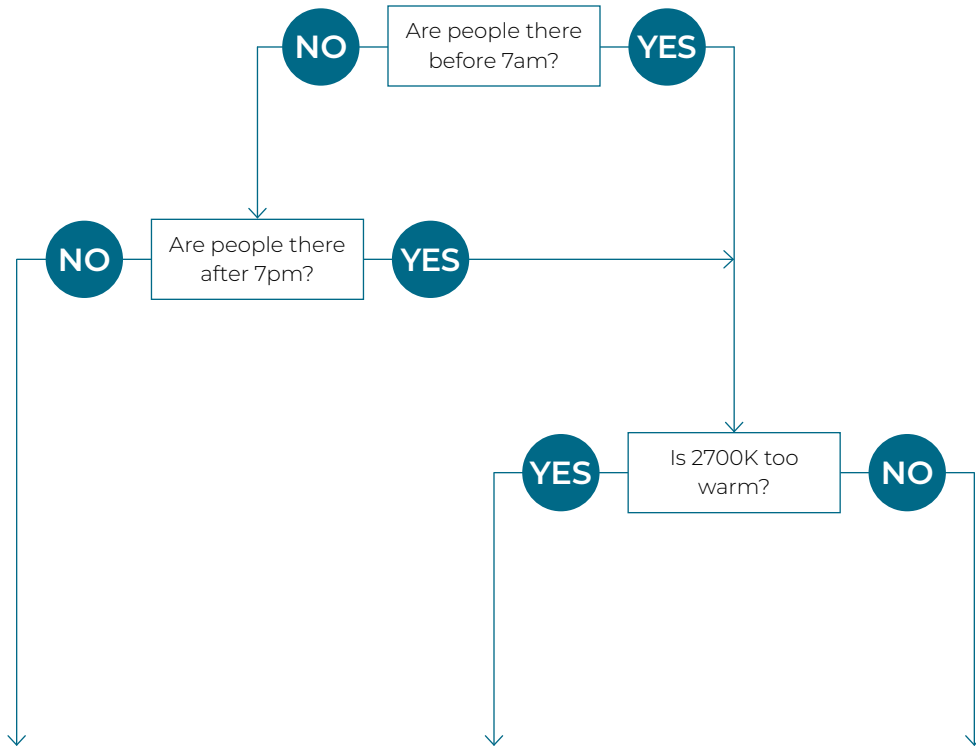
STATIC WHITE, FULL SPECTRUM, BIOS

SEALWERX SERIES



## BIOS

Three BIOS Circadian LED solutions are offered – Biological Static, Biological Dynamic, and Biological Tunable. Use the decision tree below to identify when and where to use BIOS Wellness LED Lighting Solutions.



Biological Static BIOSST	Biological Dynamic BIOSDY	Biological Tunable BIOSTU
No CCT change when dimmed	500K shift when dimmed	Dims to 2700K
Daytime solution	Daytime + evening solution	Daytime + evening solution
Spaces in operation during daytime hours, between 7am and 7pm	Spaces in operation overnight, after 7pm and before 7am, and when CCT color shift in the evening is not preferred	Suitable for spaces in operation overnight, after 7pm and before 7am, and where people do not sleep (CCT color shift in the evening is preferred)
E.g. offices, medical/dental offices	E.g. hospitals	E.g. offices, shiftwork

# VIA 4 SEAL

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SEALWERX SERIES

## Technical Specifications

### DIRECT OPTICS

#### Environmentally Protected Direct Optic (EPDO)

The Environmentally Protected Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors guide the light through the lens. The EPDO suits moderate climate environments.

#### Asymmetric Soft Direct Optic (ASDO)

The Asymmetric Soft Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASDO suits moderate climate environments.

### INDIRECT OPTICS

#### Environmentally Protected Indirect Optic (EPIO)

The Environmentally Protected Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of frosted polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The EPIO suits moderate climate environments.

#### Asymmetric Soft Indirect Optic (ASIO)

The Asymmetric Soft Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic is specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASIO suits moderate climate environments.

#### Widespread Indirect Optic (WIO2)

The Widespread Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic offers an impressive 160° spread. WIO2 creates an even illumination for smooth brightness on the ceiling that can achieve uniformity ratios of up to 2:1. The WIO2 suits moderate climate environments.

#### Uniformity [max/min]

Based on 18' continuous runs, in a 20' x 40' room, 10' wall height

Mounting height from ceiling	Spacing (Center to center)		
	8'	10'	12'
24"	3.0	5.5	8.0
36"	2.0	3.0	4.5
48"	2.0	2.0	3.5

### LIGHT SOURCE

#### Static white

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, 4000K and 5000K with a minimum 80+ CRI and an option for 90+ CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. 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.

#### Full spectrum static white

The full spectrum LED option offers improved color particularly in the cyan region that is beneficial in both healthcare and circadian lighting strategies. The cyan region in full spectrum LED is richer at the 480 nm range.

# VIA 4 SEAL

## PENDANT PATTERN

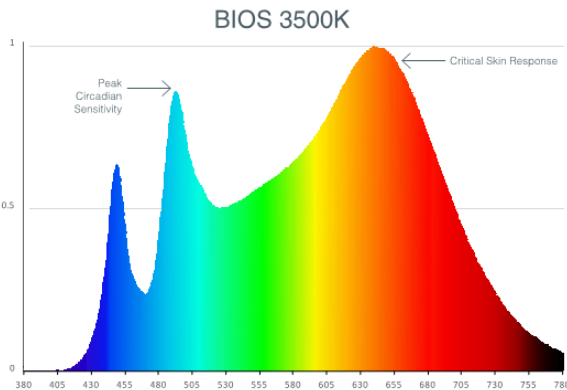
STATIC WHITE, FULL SPECTRUM, BIOS



### SEALWERX SERIES

#### BIOS

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 (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



Three BIOS solutions are offered: BIOS Biological Static (BIOSST), BIOS Biological Dynamic (BIOSDY), and BIOS Biological Tunable (BIOSTU). See page 9 for details.

#### WELL BUILDING STANDARD



**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 (c-d) (not applicable with 1000 lm/ft)
- Feature 58 or L07 when 90+ CRI 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 Mind:** This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. 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)

#### PATTERN LENGTH

Via 4 Seal can be ordered in 1' and/or 1" increments. Continuous runs are available for run lengths over 12'. The minimum length is 2' for Direct fixtures, and 3' for Direct/Indirect fixtures. 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.

#### WEEP HOLES

The Direct/Indirect fixtures, with the IP44-Rated option, feature a weep hole situated in the end cap. Water and moisture that enters the fixture will be expelled through this hole.



#### TEMPERATURE VARIATION PROTECTION

Fixtures with the IP66-Rated, IP65-Rated, IP65-Rated Electrical Components and IP64-Rated environment options feature an integrated pressure equalization and moisture control GORE® protective vent. It allows air to flow while blocking water, dust, and contaminants. It also reduces internal condensation, supports thermal stability, and preserves the fixture's sealed performance over time.



Location may vary.

# VIA 4 SEAL

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## SEALWERX SERIES

### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) 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% Ecosystem, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, ELV, TRIAC, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant. An optional low-temperature 10% 0-10V driver, suitable for temperatures down to -40°C/F is also available. ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

### PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

### ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

### Electrical sections

Options include emergency-powered light (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency light sections on a second circuit.

Code: 2MC-2EC96

Example 2: A 16' Direct/Indirect fixture with separate circuits for direct and indirect, and with one 4' night light section on the direct side on a third circuit.

Code: 3MC-1NL48

Example 3: A 24' Direct fixture with one 4' generator transfer device section.

Code: 1MC-1GTD48

### Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours. Suited for ambient temperatures of 0°C (32°F) to 55°C (131°F).

### Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277V) and 0-10V dimming signal. Suited for ambient temperatures of 0°C (32°F) to 60°C (140°F).

### MOUNTING

Pendant fixtures can be mounted with stem. See page 3 for details. Additional bracing by others required for wind and earthquake exposure.

### FINISH

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

**Exterior:** Powder-coat paint in matte white, matte black, or aluminum. Custom finishes are also available. Optional antimicrobial finish.

### FINISH OPTIONS

**Corrosion-resistant:** General protection from moisture, humidity, cleaners, and mild chemicals

**Natorium:** Protection from chlorine vapour, high humidity, and condensation

**Marine:** Protection from salt spray, air, and UV

### CONSTRUCTION

**Housing:** Extruded aluminum, up to 90% recycled content

**Interior brackets:** Die-formed cold rolled sheet steel

**Gaskets:** Closed-cell silicone foam

**Reflectors:** Die-formed cold rolled sheet steel, 95% reflective matte white painted

**End cap:** Die-cast aluminum

### CERTIFICATIONS

**ETL:** IP44-Rated environment option is rated for dry/damp locations. IP66-Rated, IP65-Rated, IP65-Rated Electrical Components, IP64-Rated and IP54-Rated environment options are ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of Wet Listed fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.

**IK08:** Impact resistance rated to IK08

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## SEALWERX SERIES

### WARRANTY

Lumenwerx provides a five-year limited warranty on 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.