VIA 3 SEAL
PENDANT PATTERN
DIRECT

Lumenwerx

5 YEAR WARRANTY

IP RATINGS
IP66
IP65EC
IP54
IP44

LIGHT SOURCE
Static White
Full Spectrum Static White
BIOS

UP TO
IK08

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.

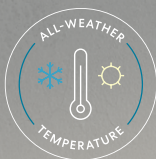SEAL COLLECTION — IP

ALL-WEATHER TEMPERATURE

IMPACT PROTECTION

SEAMLESS PATTERNS

SENSORS
For latest information on sensors, click here.

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
T (514) 225-4304 F (514) 931 -4862
www.Lumenwerx.com

cETL us LISTED
Intertek

VIA3SEAL-PAT-PENDANT-SPEC-REV5   July 23, 2025

VIA 3 SEAL
PENDANT PATTERN
DIRECT

SEALWERX SERIES

Lumenwerx

Project: _____

_____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT [1]		OPTIC	LIGHT SOURCE [3]	CRI
V3SEALPPAT	**D**					
V3SEALPPAT - Via 3" Seal Pendant Pattern	**D** - Direct	**IP66** - IP66-Rated **IP65EC** - IP65-Rated Electrical Components **IP54** [2] - IP54-Rated **IP44** [2] - IP44-Rated [1] See page 5 for more information on the features and installation details for each environment option. [2] Fixture must be installed with direct lens facing down.		**EPDO** - Environmentally Protected Direct Optic **ASDO** - Asymmetric Soft Direct Optic	**SW** - Static white **FS** - Full spectrum static white **BIOSST** [4] - BIOS Biological Static **BIOSDY** [4] - BIOS Biological Dynamic **BIOSTU** [4] - BIOS Biological Tunable [3] Chromawerx SOLA and DUO also available. Consult factory for RGBW. [4] See page 7 for details.	**80CRI** [5] - 80+ CRI **90CRI** [5,6] - 90+ CRI **95CRI** [7] - 95+ CRI [5] Not available with full spectrum. [6] Not available with BIOS. [7] Only available with full spectrum.

LUMEN PACKAGE	COLOR TEMP.	PATTERN LENGTH	CORNER TYPE [12]		VOLTAGE
500LMF - Low output 500 lm/ft **750LMF** [8] - Medium output 750 lm/ft **1000LMF** [8,9] - High output 1000 lm/ft [8] Not available with BIOS. [9] Not available with full spectrum.	**27K** [10] - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** [10] - 5000K [10] Not available with BIOS.	**##FT##IN(#X#FT#IN-#X#FT#IN-…)** [11] - ##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' [11] Minimum 2'.	**#LEV2C(A##)** - 2-way leveled corner [12] 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). [13] Minimum angle is 45°.	ANGLE (A##): **(A90)** - 90° **(A##)** [13] - Custom	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [14] - 347V [14] Available with D1 driver only.

DRIVER [15]	ELECTRICAL	ELECTRICAL SECTIONS (optional) [22,23]
D1 - 1% 0-10V **ELV** [16] - ELV 120V **TRI** [16] - TRIAC 120V **DA** [17] - DALI **LDE1** [17] - Lutron Hi-lume 1% Eco **ELD1** - eldoLED 1% ECODrive 0-10V **ELD0** - eldoLED 0.1% SOLODrive 0-10V **RLTD10** - Low-temperature 10% 0-10V [15] See page 5 for driver temperature ranges. [16] Available with 120V only. [17] On-site commissioning is required.	**1C** - 1 circuit **#MC** [18] - Multi circuit **EC** - Emergency-powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [19,20,21] - Generator transfer device fixture [18] Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. [19] Minimum 4' fixture. [20] Not available with 347V. [21] Not available for environments where the ambient temperature falls below 0°C (32°F).	**#EC##** [24] - Emergency-powered section **#NL##** [24] - Night light section **#DL##** [24] - Daylight section **#GTD##** [24,25,26,27] - Generator transfer device section **#EMB** [26,27,28,29] - Emergency battery **NA** - None [22] Specify with multi circuit (#MC) electrical option only. [23] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. [24] Specify quantity (#), and section length in inches (##). [25] Minimum 4' section. [26] Not available with 347V. [27] Not available for environments where the ambient temperature falls below 0°C (32°F). [28] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. [29] Only available with IP54 and IP44.

POWER FEED	MOUNTING [30]		FINISH	OPTION
TF				
TF - Top feed	**STS** - Stem, standard **STC( )** - Stem, custom [30] Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.		**W** - Matte white **AL** - Aluminum **B** - Matte black **WA** - White antimicrobial Silverwerx **CF#** - Custom finish, specify RAL#	**CRF** - Corrosion-resistant finish **NA** - None

ETL LISTED Intertek

VIA 3 SEAL
PENDANT PATTERN
DIRECT

SEALWERX SERIES

Lumenwerx

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** [1] - Specify length in inches [1] 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

ETL LISTED Intertek

VIA 3 SEAL

PENDANT PATTERN

DIRECT

Lumenwerx

Pattern Layout

CORNER TYPES
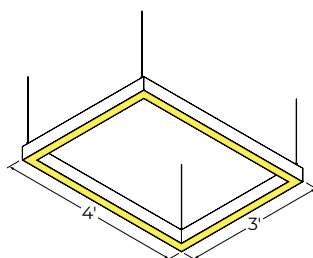
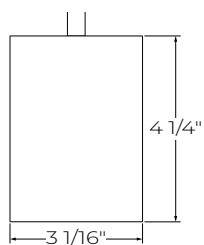| LEVELED CORNERS	
2-way	1LEV2C(A90)

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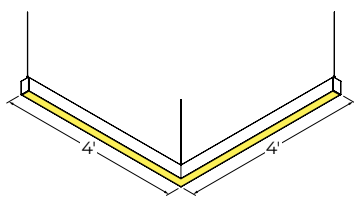
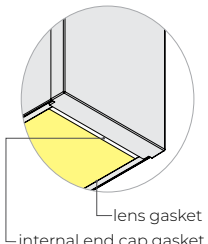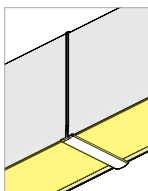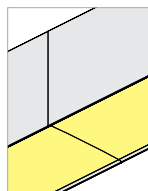8FT(2X4FT)-1LEV2C(A90)

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

Dimensions

4 1/4"

3 1/16"

VIA 3 SEAL

PENDANT PATTERN
DIRECT

Lumenwerx
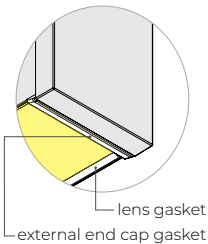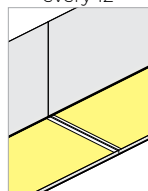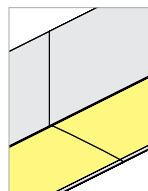
Environment Options

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

Ambient Temperature Range based on driver selection					
	LDE1	**ELV / TRI**	**DA / ELD1 / ELD0**	**D1**	**RLTD10**
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		

cETLus LISTED
Intertek

VIA 3 SEAL

PENDANT PATTERN
DIRECT

SEALWERX SERIES

Photometrics

Values calculated based on a 4' fixture at 3500K and 80+ CRI for all optics.

DIRECT

EPDO

LM/FT	W/FT	LM/W
500	5.0	101
750	7.7	98
1000	10.5	95

ASDO

LM/FT	W/FT	LM/W
500	4.4	113
750	7.0	107
1000	9.7	103
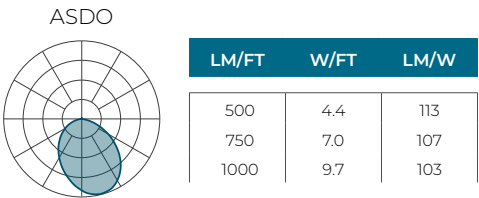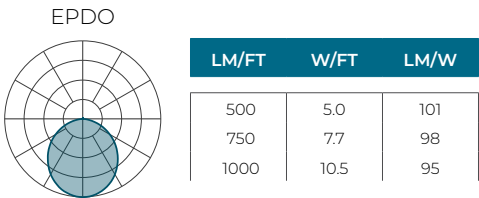
MULTIPLIERS

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

Multiplier - CCT/CRI

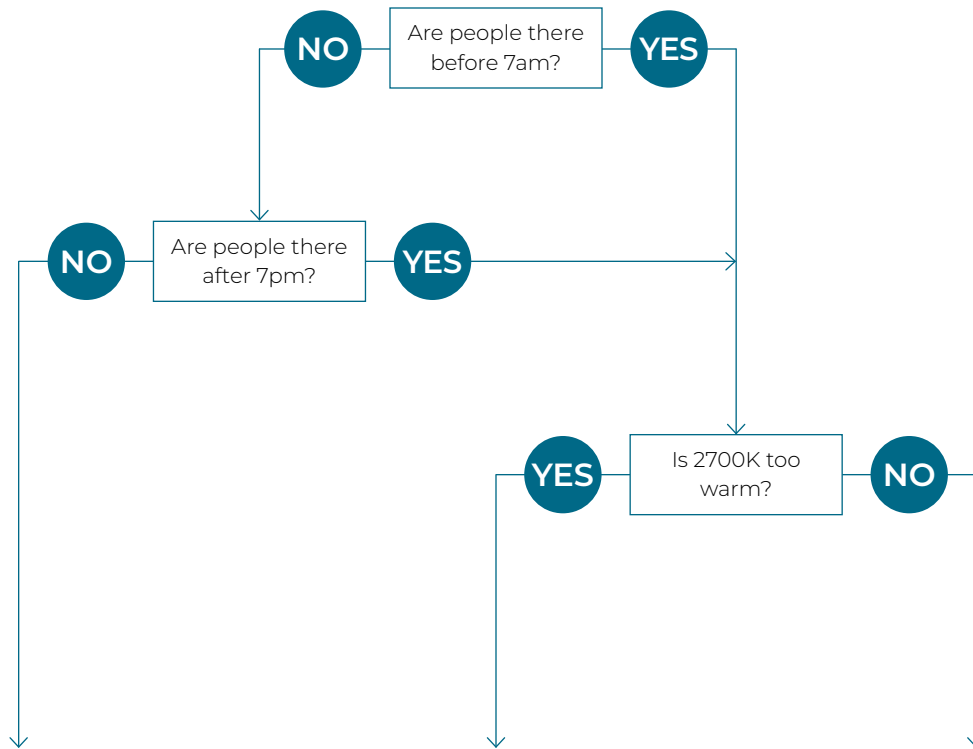| CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

VIA 3 SEAL
PENDANT PATTERN
DIRECT

SEALWERX SERIES

⌐ Lumenwerx

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.

NO — Are people there before 7am? — **YES**

NO — Are people there after 7pm? — **YES**

YES — Is 2700K too warm? — **NO**

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

ETL LISTED c us
Intertek

VIA 3 SEAL
PENDANT PATTERN
DIRECT

SEALWERX SERIES

Lumenwerx

Technical Specifications

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.

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.

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.

BIOS 3500K

Peak Circadian Sensitivity

Critical Skin Response
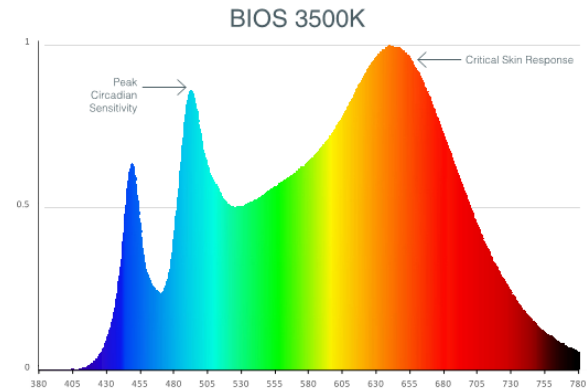
Three BIOS solutions are offered: BIOS Biological Static (BIOSST), BIOS Biological Dynamic (BIOSDY), and BIOS Biological Tunable (BIOSTU). See page 7 for details.

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

VIA 3 SEAL
PENDANT PATTERN
DIRECT

SEALWERX SERIES

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

TEMPERATURE VARIATION PROTECTION
The intergrated pressure equalization and moisture control GORE® protective vent allows air to flow while blocking water, dust, and contaminants. It reduces internal condensation, supports thermal stability, and preserves the fixture's sealed performance over time.

Location may vary.

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, 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.

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 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.

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

ETL LISTED Intertek

VIA 3 SEAL

PENDANT PATTERN
DIRECT

SEALWERX SERIES

CERTIFICATIONS

ETL: IP44-Rated environment option is rated for dry/damp locations. IP66-Rated, IP65-Rated electrical components, 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

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.