VIA 2 PEAK CANDELA

PENDANT

STATIC WHITE

Lumenwerx

5 YEAR WARRANTY 5 YEAR WARRANTY

Via 2 Peak Candela, part of the Via Low-Glare collection, is available in 40° and 60° beams across recessed, surface, and pendant configurations and can be specified as standalone units or continuous runs.

Key Features

- Direct optic delivering significantly higher peak candela vs. HLO opal lens
- Narrow beam with tighter field angles for focused illumination
- Translucent lens with a glowing ceiling presence
- No light leakage; optimized UGR values
- High efficiency: up to 140 lm/W
- Ideal for office and workplace applications requiring both performance and comfort

SENSORS
For latest information on sensors, click here.

DIRECT

PCO40 PCO60

INDIRECT

WIO2 TIO WAI2

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Intertek

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Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE [1]	CRI
VIA2PCP				**SW**	
VIA2PCP - Via 2" Peak Candela Pendant	**DI** - Direct/ Indirect **D** - Direct	**PCO40** - Peak Candela Optic, 40° beam **PCO60** - Peak Candela Optic, 60° beam	**WIO2** - Widespread Indirect Optic **TIO** - Translucent Indirect Optic **WAI2** - Widespread Asymmetric Indirect Optic **NA** - Not applicable	**SW** - Static white [1] Chromawerx SOLA and DUO also available. Consult other spec sheet.	**80CRI** - 80+ CRI **90CRI** - 90+ CRI

DIRECT LUMEN PACKAGE	INDIRECT LUMEN PACKAGE Specify NA for Direct fixture	COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE
350LMF - Low output 350 lm/ft **500LMF** - Medium output 500 lm/ft **750LMF** - High output 750 lm/ft **1000LMF** [2] - Ultra high output 1000 lm/ft	**350LMF** - Low output 350 lm/ft **500LMF** - Medium output 500 lm/ft **750LMF** - High output 750 lm/ft **1000LMF** [3] - Ultra high output 1000 lm/ft **NA** - Not applicable	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**#FT#IN** [4] - Specify nominal length (#) in 1' and/or 1" increments **Standard nominal lengths:** Single units: 2' to 12' Continuous runs: lengths over 12'	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [5] - 347V [5] Available with D1 driver only.

[2] For Direct/Indirect, Indirect must not exceed 750 lm/ft.
[3] For Direct/Indirect, Direct must not exceed 750 lm/ft.

[4] · Minimum 2' for Direct.
· Minimum 3' for Direct/Indirect.
· PCO is available in 7" and 11" increments. See page 4 for actual dimensions.

DRIVER [6]	ELECTRICAL	ELECTRICAL SECTIONS (optional) [12, 13]	MOUNTING [18]
D1 - 1% 0-10V **DA** [7] - DALI **LDE1** [7] - Lutron Hi-lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V [6] PoE (Power-over-Ethernet) compatible. Consult factory for details. [7] On-site commissioning is required.	**1C** - 1 circuit **2C** [8] - 2 circuits **#MC** [9] - Multi circuit **EC** - Emergency-powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [10, 11] - Generator transfer device fixture [8] Available for Direct/Indirect only. Separate direct and indirect circuits. [9] Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. [10] Minimum 4' fixture. [11] Not available with 347V.	**#EC##** [14] - Emergency-powered section **#NL##** [14] - Night light section **#DL##** [14] - Daylight section **#GTD##** [14, 15, 16] - Generator transfer device section **#EMB** [16, 17] - Emergency battery **NA** - None [12] Specify with multi circuit (#MC) electrical option only. [13] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. [14] Specify quantity (#), and section length in inches (##). [15] Minimum 4' section. [16] Not available with 347V. [17] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. For Direct/Indirect, minimum 8' fixture.	**ACS** - Aircraft cable, standard **STS** - Stem, standard **ACC( )** - Aircraft cable, custom **STC( )** - Stem, custom [18] Standard canopies are black for black fixtures, and white for all other finishes. See page 3 for full details on standard and custom options.

FINISH	CONTROL [19]		OPTIONS [25]
W - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL#	STANDALONE CONTROLS [20, 21] Specify the quantity (#) of sensors per fixture. **#OMS** [22] - Onboard Occupancy **#OMS##** [23] - Onboard Occupancy with bi-level dimming **#ODS** - Onboard Daylight **#OCS** - Onboard Occupancy & Daylight	CONNECTED CONTROLS [24] **LU** - Lutron **AWNR** - Lutron Athena Wireless Node RF Only **AWNS** - Lutron Athena Wireless Node Sensor **ENC** - Encelium **WL** - Cooper Wavelinx **AN** - Acuity nLight **CA** - Casambi **LG** - Legrand	**FU120** - Fuse 120V **FU277** - Fuse 277V **CTB9** [26] - T-bar caddy clip, 9/16" **CTB15** [26] - T-bar caddy clip, 15/16" **CTG9** [26] - Tegular caddy clip, 9/16" **CTG15** [26] - Tegular caddy clip, 15/16" **CST** [26] - Screw slot caddy clip **NA** - None [25] Separate codes with a "+" if more than one is specified. [26] Available with aircraft cable only.
	NA - None		

[19] Standalone and connected control options cannot be combined.
[20] Available with D1 driver and 1 circuit options only.
[21] Minimum 4' per zone. Provide control zone length.
[22] Fixture turns off when no occupancy.
[23] Fixture dims to specified light level % (##).
[24] Consult factory for connected controls.

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Pendant Mounting Code

Standard

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

MOUNTING	
ACS - Aircraft cable, standard	**STS** - Stem, standard
• Ø 5" for power canopy • Ø 3" for non-power canopy • Canopies are black for black fixtures, and white for all other fixture finishes • Power cord is black for black fixtures, and white for all other fixture finishes • Aircraft cable length is 36"	• 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

Custom

Aircraft Cable

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

Example: ACC(3NPC-72IN-W-PCB-NA)

MOUNTING
ACC( )

	NON-POWER CANOPY SIZE	AIRCRAFT CABLE LENGTH	CANOPY FINISH	POWER CORD COLOR	OPTION
ACC	**3NPC** - Ø 3" non-power canopy **5NPC** - Ø 5" non-power canopy	**36IN** - 36" **72IN** - 72" **120IN** - 120" **#IN** [1] - Other lengths, specify in inches [1] Maximum length is 288". For longer lengths, please consult factory.	**W** - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL#	**PCW** - White **PCB** - Black	**SEM** [2] - Seismic mounting **SLC** [2] - Sloped ceiling for aircraft cable **NA** - None [2] Not available with the Ø 3" non-power canopy size.

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** [3] - Specify length in inches [3] 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

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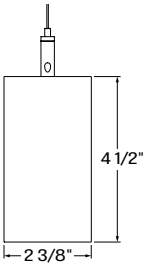
VIA 2 PEAK CANDELA

PENDANT

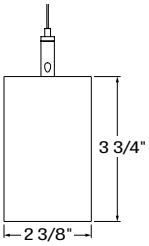
STATIC WHITE

Dimensions

DIRECT/INDIRECT



DIRECT



NOMINAL LENGTH	ACTUAL LENGTH
2'	23.6"
4'	48.8"
5'	59.8"
6'	72.3"
8'	96"

The actual length is a multiple of 7" and/or 11".
For other lengths or long runs, please consult factory shop drawings.
End cap thickness 1/8" not included in above dimensions.

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VIA 2 PEAK CANDELA

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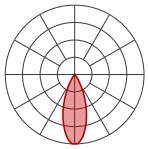
Photometrics

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

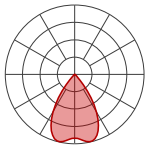
DIRECT OPTICS

PCO40



LM/FT	W/FT	LM/W
350	2.5	143
500	3.6	140
750	5.4	138
1000	7.4	135

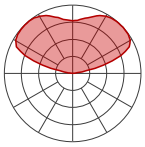
PCO60



LM/FT	W/FT	LM/W
350	2.4	144
500	3.5	141
750	5.4	139
1000	7.4	136

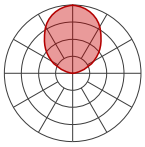
INDIRECT OPTICS

WIO2



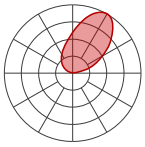
LM/FT	W/FT	LM/W
350	2.4	145
500	3.5	141
750	5.5	136
1000	7.7	130

TIO



LM/FT	W/FT	LM/W
350	2.7	127
500	4.0	124
750	6.3	119
1000	8.8	114

WAI2



LM/FT	W/FT	LM/W
350	2.5	139
500	3.7	135
750	5.8	130
1000	8.0	125

MULTIPLIER TABLES

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

Multiplier - CCT/CRI
PCO40 / PCO60

CCT	WATTS 80+ CRI / 90+ CRI	LPW 80+ CRI / 90+ CRI
2700K	1.04	0.96
3000K	1.00	1.00
3500K	1.00	1.00
4000K	0.99	1.01
5000K	0.94	1.06

Multiplier - CCT/CRI
WIO2 / TIO / WAI2

CCT	WATTS 80+ CRI / 90+ CRI	LPW 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

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\text{DIRECT LM/FT} + \text{INDIRECT LM/FT}\right)}{\left(\text{DIRECT W/FT} + \text{INDIRECT W/FT}\right)} = \text{LPW}$$

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Technical Specifications

DIRECT OPTICS

Peak Candela Optic (PCO)

The Peak Candela Optic (PCO) combines TIR technology with louver shielding, producing a narrow beam with significantly higher central intensity than opal lenses while maintaining exceptional visual comfort. Its translucent surface softly reflects light onto the ceiling, creating a subtle, pleasant glow.

INDIRECT OPTICS

Widespread Indirect Optic (WIO2)

The Widespread Indirect Optic (WIO2) is a horizontal LED array with a widespread indirect micro prismatic optic that 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.

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'
12"	5.5	10.0	9.0
18"	3.5	6.0	6.0
24"	2.5	4.0	4.5

Translucent Indirect Optic (TIO)

The Translucent Indirect Optic (TIO) is composed of a horizontal LED array that has a translucent lens to mask pixilation from the diodes. TIO has a 100° spread in the indirect that is ideal when the fixture is mounted farther away from the ceiling.

Widespread Asymmetric Indirect Optic (WAI2)

The Widespread Asymmetric Indirect Optic (WAI2) offers an upward grazing effect with a 45° forward throw. It softly highlights the ceiling in the up-light while distributing the required illumination of the rest of an interior space. For avoiding glare and enjoying visual comfort, WAI2 is an ideal solution.

LIGHT SOURCE

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.

LUMINAIRE LENGTH

Via 2 Peak Candela is available in standard lengths of 2' to 12'. Continuous runs are available for run lengths over 12'. Exact run length must be noted in the product code. The minimum length is 2' for Direct fixtures, and 3' for Direct/Indirect fixtures. Lengths can be ordered in 1' and/or 1" increments. PCO is available in 7" and 11" increments. If the fixture length is not a multiple of these optic increments, blanks of equal length will be added at both ends of the fixture.

All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that 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 (120-277 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% Eco, 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.

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 (#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-powered sections on a second circuit.
Code: 2MC-2EC96

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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.

MOUNTING

Pendant fixtures can be mounted either with aircraft cable or with stem. See page 3 for details.

FINISH

Interior: 95%, reflective matte powder coated white paint
Exterior: Matte white, matte black, or aluminum powder coating. Custom finishes are also available.

CONTROLS

Lumenwerx offers several options for integrating occupancy and daylight harvesting controls in our luminaires.
For latest information on sensors, click here.

Standalone controls
An integrated standalone sensor controls the luminaire in which it is installed. Depending on the length, more than one sensor may be necessary and may control the entire luminaire, or just a section of it. These controls operate independently. Unless otherwise agreed, sensor location, blank size, and functionality of the sensor within the luminaire are selected by Lumenwerx. See client drawings for details.
Three types are available:

OMS: An integral Passive InfraRed (PIR) sensor turns luminaires on and off automatically with field-adjustable time out period. No wall control is used. Coverage pattern for large motion has a 12' diameter with the sensor mounted 8' above the floor; for small motion, the pattern has an 8' diameter. Typically, one sensor is required for every 10' of a continuous luminaire run.

ODS: An integral, daylight harvesting sensor with closed-loop operation dims the luminaire in which it is installed in order to compensate for available daylight. The sensor measures the combination of daylight and luminaire light reflected from horizontal surfaces below the luminaire. Initial onsite calibration is required via the use of provided remote control.

OCS: Both an occupancy and a daylight sensor are installed in the luminaire.

Connected controls
With connected controls, sensors or nodes installed in the luminaire form part of a larger control system infrastructure from manufacturers such as: Lutron, Encelium, Cooper Wavelinx, Acuity nLight, Casambi, Legrand, and others. These connected controls allow for a scalable system providing features like occupancy and daylight control, manual control, scheduling and configuration of various zones and scenes. Energy reporting and system monitoring are also possible. Specific capabilities depend on the control system being used.

Lumenwerx installs the components (sensors, nodes, power packs, etc) which may be supplied to us by a third party, or procured directly by Lumenwerx, depending on the control system manufacturer.

Lumenwerx is solely responsible for the installation of specified components; the controls manufacturer is responsible for performance of the control system.

To indicate a Lumenwerx luminaire with connected controls, identify the specific onsite control system to be integrated into the luminaires using the ordering code. Due to the diversity of components, you must contact factory to assure complete compatibility with intended control system and to fully specify the luminaire.

Complete control specifications, sensor/node/power pack layout, and narrative for the control system are required for Lumenwerx to create shop drawings and submittals.

CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content
Interior brackets: Die-formed cold rolled sheet steel
Joining system: Die-cast zinc
Reflectors: Die-formed cold rolled steel, 95% reflective matte white painted
Lens: Polycarbonate or acrylic
End caps: Die-cast aluminum
Hanger: Chromed griplock securely attached in end caps and/or joiners with stainless steel hardware
Aircraft cable suspension: Ø 1/16" stainless steel aircraft cable
Stem: Ø 1/2" threaded steel tube

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WEIGHT

Direct/Indirect	Direct
4': 10.68 lbs - 4.85 kg	**4'**: 9.03 lbs - 4.1 kg
8': 22.03 lbs - 10 kg	**8'**: 18.28 lbs - 8.3 kg
12': 32.60 lbs - 14.8 kg	**12'**: 27.97 lbs - 12.7 kg

CERTIFICATION

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 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.

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