

VIA 2 PRISM

COMBINATION SURFACE PATTERN
DIRECT

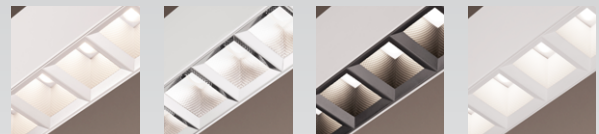


Equipped with all of the features that have made Via among our most successful product lines, the Via 2 Prism pushes the technological envelope even further with its Diamond Prism Optic™ (DPO™), a sophisticated louver engineered to deliver soft, glare-free illumination that wraps around subjects casting gradients of light rather than dramatic sharp-edged shadows.

Via 2 Prism Combination Pattern luminaires are composed of luminaires joined together to create patterns within which a combination of optics (either DPO™ and/or HLO and/or blanks) is used.

DIAMOND PRISM OPTIC + HLO + BLANK + DIAMOND PRISM OPTIC + BLANK

DIAMOND PRISM OPTIC



MATTE SILVER

PRECISION SPECULAR

MATTE BLACK

MATTE WHITE

CORNER



LEVELED

INNER

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



VIA 2 PRISM

COMBINATION SURFACE PATTERN

DIRECT



Project: _____

Type: _____

Order Guide

A drawing of your pattern is required - anything from a line drawing to an architectural drawing.

LUMINAIRE ID	DISTRIBUTION	TOTAL PATTERN LENGTH ¹	OPTICS ³ Specify the total length for each required optic, including the corner lengths	LIGHT SOURCE ⁴
VIA2PRCOMSPAT	D			
VIA2PRCOMSPAT - Via 2" Prism Combination Surface Pattern	D - Direct	##FT##IN(##X##FT##IN-##X##FT##IN-...) ² - ##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' ¹ Total pattern length should equal the sum of all the optic lengths. ² Minimum fixture length is 2'.	Ex: SDPO5FT-BDPO2FT-HLO12FT3IN SDPO - Matte Silver Diamond Prism Optic FT IN PDPO - Precision Specular Diamond Prism Optic FT IN BDPO - Matte Black Diamond Prism Optic FT IN WDPO - Matte White Diamond Prism Optic FT IN HLO - High-Efficiency Lambertian Optic FT IN BLA - Blank FT IN ³ DPO louvers are only available in 1' and/or 6" sections. HLO and Blank are available in 1' and/or 1" sections.	SW - Static white FS - Full spectrum static white ⁴ Chromawerx SOLA and DUO also available. Consult factory.
CRI	LUMEN PACKAGE	COLOR TEMP.	CORNER TYPE ¹¹	VOLTAGE
80CRI ⁵ - 80+ CRI 90CRI ⁵ - 90+ CRI 95CRI ⁵ - 95+ CRI ⁵ Not available with full spectrum. ⁶ Not available with static white.	350LMF ⁷ - Low output 350 lm/ft 500LMF - Medium output 500 lm/ft 750LMF - High output 750 lm/ft 1000LMF ^{8,9} - Ultra high output 1000 lm/ft 1200LMF ^{8,9,10} - Hyper output 1200 lm/ft ⁷ Minimum 4' with ELV/TRI driver options. ⁸ Not available with BDPO. ⁹ Not available with full spectrum. ¹⁰ For HLO, fixture will be very bright. Use in suitable applications.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	#LEV2C(A##XX) - 2-way leveled corner #INN2C(A90XX) ¹² - 2-way inner corner ANGLE (A##): (A90) - 90° (A##) ¹³ - Custom ¹¹ Specify quantity (#), angle (A##), and optic(XX) for each required corner type. Separate corner types with a "+" if more than one is required, e.g. 1LEV2C(A90HLO)+2LEV2C(A90BLA). ¹² Available with 90° only. Consult factory for other angles. ¹³ Minimum angle is 30°.	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁴ - 347V ¹⁴ Available with D1 driver only.
DRIVER ¹⁵	ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{21,22}	MOUNTING CEILING	MOUNTING WALL ²⁷
D1 - 1% 0-10V ELV ¹⁶ - ELV 120V TRI ¹⁶ - TRIAC 120V DA ¹⁷ - DALI LDEI ¹⁷ - Lutron Hi-lume 1% Eco ELDI - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ¹⁵ PoE (Power-over-Ethernet) compatible. Consult factory for details. 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} - Generator transfer device fixture ¹⁸ Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. ¹⁹ Minimum 4' fixture. ²⁰ Not available with 347V.	#EC## ²³ - Emergency-powered section #NL## ²³ - Night light section #DL## ²³ - Daylight section #GTD## ^{23,24,25} - Generator transfer device section #EMB ^{25,26} - Emergency battery NA - None ²¹ Specify with multi circuit (#MC) electrical option only. ²² Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²³ Specify quantity (#), and section length in inches (##). ²⁴ Minimum 4' section. ²⁵ Not available with 347V. ²⁶ Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	DRC - Drywall ceiling GRD - Grid ceiling	DRM - Drywall mounting DMB - Drywall mounting bracket NA - Not applicable ²⁷ Not available with leveled corner.
FINISH ²⁸	CONTROL ²⁹	OPTION		
W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL# ²⁸ Blanks will match the fixture color unless otherwise specified.	STANDALONE CONTROLS ^{30,31} Specify the quantity (#) of sensors per fixture. #OMS ³² - Onboard Occupancy #OMS## ³³ - Onboard Occupancy with bi-level dimming #ODS - Onboard Daylight #OCS - Onboard Occupancy & Daylight CONNECTED CONTROLS ³⁴ LU - Lutron AWN - Lutron Athena Wireless Node RF Only AWNS - Lutron Athena Wireless Node Sensor ENC - Encelium WL - Cooper Wavelinx AN - Acuity nLight CA - Casambi LG - Legrand NA - None ²⁹ Standalone and connected control options cannot be combined. ³⁰ Available with D1 driver and 1 circuit options only. ³¹ Minimum 4' per zone. Provide control zone length. ³² Fixture turns off when no occupancy. ³³ Fixture dims to specified light level % (##). ³⁴ Consult factory for connected controls.	FU120 - Fuse 120V FU277 - Fuse 277V NA - None		

VIA 2 PRISM

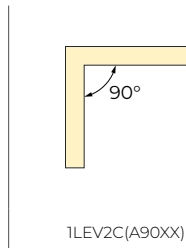
COMBINATION SURFACE PATTERN
DIRECT



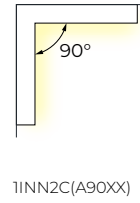
Pattern Layout

CORNER TYPES

LEVELED CORNER

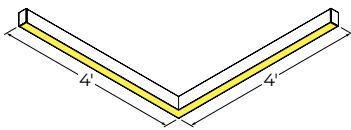


INNER CORNER

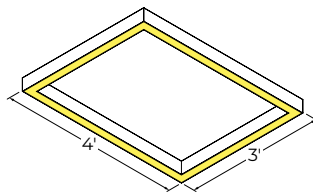


2-way

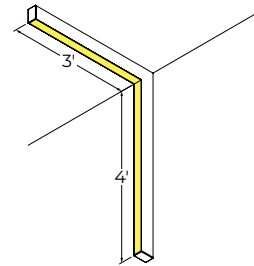
EXAMPLES



8FT(2X4FT)-1LEV2C(A90HLO)

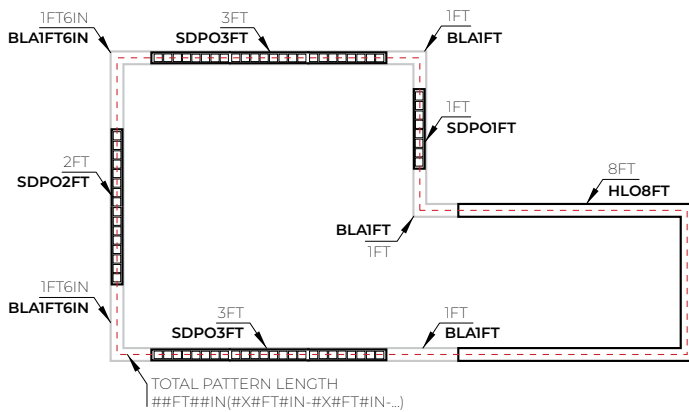


14FT(2X4FT-2X3FT)-4LEV2C(A90HLO)



7FT(1X3FT-1X4FT)-1INN2C(A90HLO)

A drawing of your Via 2 Prism Combination Pattern is required - anything from a line drawing to an architectural drawing. Louvers are available in 1' and/or 6" sections. HLO and Blank are available in 1' and/or 1" sections.



Ex.: TOTAL PATTERN LENGTH: **23FT(1X4FT-1X2FT-1X3FT6IN-1X2FT-1X7FT6IN-1X4FT)**

OPTICS: **SDPO9FT-HLO8FT-BLA6FT**

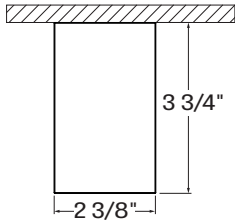
CORNER TYPE: **4LEV2C(A90BLA)+2LEV2C(A90HLO)**

VIA 2 PRISM

COMBINATION SURFACE PATTERN
DIRECT



Dimensions



Photometrics

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

MULTIPLIER TABLES

Use these tables to get results for different color temperatures and CRI.

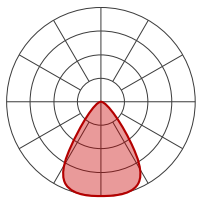
Multiplier - CCT/CRI
SDPO, PDPO, BDPO, WDPO

CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.04	1.19	0.96	0.84
3000K	1.00	1.15	1.00	0.87
3500K	1.00	1.12	1.00	0.89
4000K	0.99	1.10	1.01	0.91
5000K	0.94	1.06	1.06	0.94

Multiplier - CCT/CRI
HLO

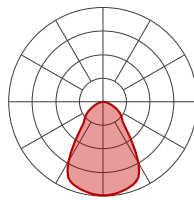
CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

SDPO



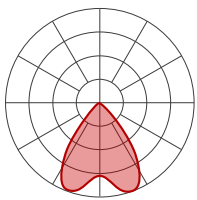
LM/FT	W/FT	LM/W
350	2.6	132
500	3.8	132
750	5.9	127
1000	8.2	122
1200	10	120

WDPO



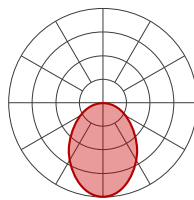
LM/FT	W/FT	LM/W
350	2.4	145
500	3.5	144
750	5.4	139
1000	7.4	135
1200	9.1	132

PDPO



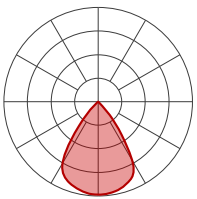
LM/FT	W/FT	LM/W
350	2.4	147
500	3.4	147
750	5.3	142
1000	7.3	137
1200	8.9	134

HLO



LM/FT	W/FT	LM/W
350	3.2	109
500	4.7	107
750	7.2	104
1000	9.9	101
1200	12.1	98

BDPO



LM/FT	W/FT	LM/W
350	5.1	69
500	7.5	66
750	11.9	63
1000	16.7	60

VIA 2 PRISM

COMBINATION SURFACE PATTERN

DIRECT



Technical Specifications

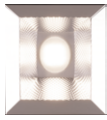
OPTICS

Diamond Prism Optic (DPO)

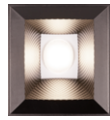
The Diamond Prism Optic™ (DPO™) is our patent-pending 3-tiered optic meticulously crafted to refract and reflect beams with great precision, effectively keeping glare to a minimum while delivering light of exceptional quality and visual comfort.



MATTE SILVER



PRECISION SPECULAR



MATTE BLACK



MATTE WHITE

UGR - Diamond Prism Optic

LM/FT	MATTE SILVER	PRECISION SPECULAR	MATTE BLACK	MATTE WHITE
350	9.7	1.2	1.2	14.9
500	10.9	2.4	2.4	16.1
750	12.3	3.8	3.8	17.8
1000	13.3	4.8	N/A	18.8
1200	13.9	5.4	N/A	19.2

High-Efficiency Lambertian Optic (HLO)

The High-Efficiency Lambertian Optic (HLO) uses matte white reflectors to distribute LED output across 0.075" acrylic shielding, providing up to 88% transmission and good obscuration. Available as a flush lens or as a drop lens, the HLO has a spacing criterion of 1.06.

Blank (BLA)

Blank covers provide spacing – functional or rhythmic – in the direct component of the luminaire. Covers are sized according to the Combination design, finished to match the luminaire housing, and snap into the aperture.

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. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance. 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.

PATTERN LENGTH

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

Example 2: A 24' Direct fixture with one 4' generator transfer device section.

Code: 1MC-1GTD48

VIA 2 PRISM

COMBINATION SURFACE PATTERN DIRECT



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

Fixtures can be mounted directly to T-Bar, drywall and hard surface ceilings, hardware supplied by others. Long runs require a minimum of 6" from the vertical wall.

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: Aluminum or cold rolled steel die-formed, 95% reflective matte white painted

Lens: Acrylic or polycarbonate

End caps: Die-cast aluminum

WEIGHT

4': 9.03 lbs - 4.1 kg

8': 18.28 lbs - 8.3 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.

VIA 2 PRISM

COMBINATION SURFACE PATTERN
DIRECT



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.

