

VIA 2 PRISM

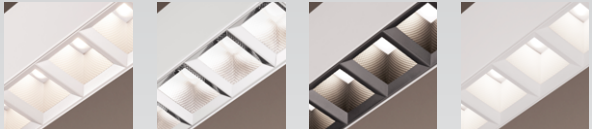
COMBINATION SURFACE
DIRECT



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 luminaires house different optics (either DPO™ and/or HLO and/or blanks) within the same fixture and allow for multiple lighting types (ambient, task, accent, etc.).

DIAMOND PRISM OPTIC




MATTE SILVER PRECISION SPECULAR MATTE BLACK MATTE WHITE

MICRO SPOT MODULE OPTION



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



VIA 2 PRISM

COMBINATION SURFACE
DIRECT



Project: _____

Type: _____

Order Guide

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

LUMINAIRE ID	DISTRIBUTION	TOTAL LUMINAIRE LENGTH ¹	OPTICS ² Specify the total length for each required optic
VIA2PRCOMS	D		
VIA2PRCOMS - Via 2" Prism Combination Surface	D - Direct	#FT#IN - Specify total pattern length (#) in 1' and/or 1" increments Standard nominal lengths: Single units: 2' to 12' Continuous runs: lengths over 12' ¹ Total luminaire length should equal the sum of all the optic lengths.	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 ³ - Blank FT IN ² DPO louvers are only available in 1' and/or 6" sections. HLO and Blank are available in 1' and/or 1" sections. ³ A minimum 6" blank section must be specified for each Micro Spot option.

LIGHT SOURCE ⁴	CRI	LUMEN PACKAGE	COLOR TEMP.	VOLTAGE	DRIVER ¹²
SW - Static white FS - Full spectrum static white	80CRI ⁵ - 80+ CRI 90CRI ⁵ - 90+ CRI 95CRI ⁶ - 95+ CRI	350LMF ⁷ - Low output 350 lm/ft 500LMF ⁷ - Medium output 500 lm/ft 750LMF ⁷ - High output 750 lm/ft 1000LMF ^{8,9} - Ultra high output 1000 lm/ft 1200LMF ^{8,9,10} - Hyper output 1200 lm/ft	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹¹ - 347V	D1 - 1% 0-10V ELV ¹³ - ELV 120V TRI ¹³ - TRIAC 120V DA ¹⁴ - DALI LDEI ¹⁴ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V
⁴ Chromawerx SOLA and DUO also available. Consult factory.	⁵ Not available with full spectrum. ⁶ Not available with static white.	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.		¹¹ Available with D1 driver only.	¹² PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹³ Available with 120V only. ¹⁴ On-site commissioning is required.

ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{18,19}	MOUNTING	FINISH ²⁴
1C - 1 circuit #MC ¹⁵ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{16,17} - Generator transfer device fixture ¹⁵ Specify total number of circuits (#), including any required for electrical section or module options. Provide drawing or layout specifications. Minimum 4' section per circuit. ¹⁶ Minimum 4' fixture. ¹⁷ Not available with 347V.	#EC## ²⁰ - Emergency-powered section #NL## ²⁰ - Night light section #DL## ²⁰ - Daylight section #GTD## ^{20,21,22} - Generator transfer device section #EMB ^{22,23} - Emergency battery NA - None ¹⁸ Specify with multi circuit (#MC) electrical option only. ¹⁹ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²⁰ Specify quantity (#), and section length in inches (##). ²¹ Minimum 4' section. ²² Not available with 347V. ²³ Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	DRC - Drywall ceiling GRD - Grid ceiling	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL# ²⁴ Blanks will match the fixture color unless otherwise specified.

CONTROL ²⁵	OPTION	MODULE (optional) ^{31,32}
STANDALONE CONTROLS ^{26,27} Specify the quantity (#) of sensors per fixture. #OMS ²⁸ - Onboard Occupancy #OMS## ²⁹ - Onboard Occupancy with bi-level dimming #ODS - Onboard Daylight #OCS - Onboard Occupancy & Daylight NA - None ²⁵ Standalone and connected control options cannot be combined. ²⁶ Available with D1 driver and 1 circuit options only. ²⁷ Minimum 4' per zone. Provide control zone length.	CONNECTED CONTROLS ³⁰ LU - Lutron AWNRR - Lutron Athena Wireless Node RF Only AWNS - Lutron Athena Wireless Node Sensor ENC - Encelium WL - Cooper Wavelinx AN - Acuity nLight CA - Casambi LG - Legrand ²⁸ Fixture turns off when no occupancy. ²⁹ Fixture dims to specified light level % (##). ³⁰ Consult factory for connected controls.	FU120 - Fuse 120V FU277 - Fuse 277V NA - None #MS25() - Micro Spot 25° #MS35() - Micro Spot 35° #MS50() - Micro Spot 50° NA - None ³¹ See page 3 for ordering details. ³² Not available with ELV/TRI driver options.



VIA 2 PRISM

COMBINATION SURFACE
DIRECT



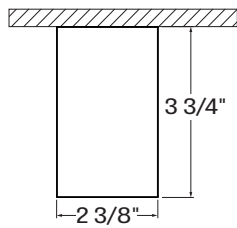
Module Code

For a module, specify the options in the parentheses.
The light source is static white.
CRI of module matches specification of main fixture.

Example: 1MS25(5W-27K-W)

MODULE (optional)			
MODULE ^{1,2}	WATTAGE	COLOR TEMPERATURE	FINISH
#MS25() - Micro Spot 25° #MS35() - Micro Spot 35° #MS50() - Micro Spot 50° ¹ Specify quantity (#). ² 6" Blank per module. Blank finish will match fixture finish.*	5W - 5 W, up to 430 lm output	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	W - Matte white B - Matte black

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.

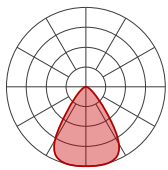
Multiplier - CCT/CRI
SDPO, PDPO, BDPO, WDPO

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

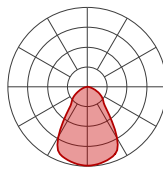
CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

SDPO



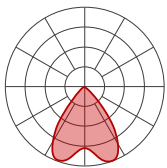
LM/FT	W/FT	LM/W
350	2.6	132
500	3.8	132
750	5.9	127
1000	8.2	122
1200	10	120

WDPO



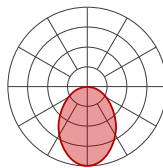
LM/FT	W/FT	LM/W
350	2.4	145
500	3.5	144
750	5.4	139
1000	7.4	135
1200	9.1	132

PDPO



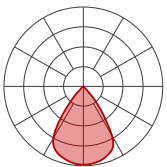
LM/FT	W/FT	LM/W
350	2.4	147
500	3.4	147
750	5.3	142
1000	7.3	137
1200	8.9	134

HLO



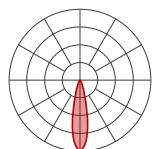
LM/FT	W/FT	LM/W
350	3.2	109
500	4.7	107
750	7.2	104
1000	9.9	101
1200	12.1	98

BDPO

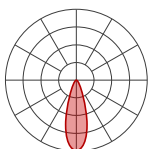


LM/FT	W/FT	LM/W
350	5.1	69
500	7.5	66
750	11.9	63
1000	16.7	60

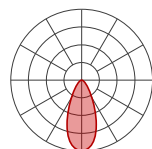
MICRO SPOT MODULE



Micro Spot 25°



Micro Spot 35°



Micro Spot 50°

DELIVERED LUMENS

Wattage	50									
	80+					90+				
CRI	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
Lumen	373	400	400	432	432	324	344	344	345	372

VIA 2 PRISM

COMBINATION SURFACE

DIRECT



Technical Specifications

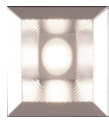
DIRECT OPTICS

Diamond Prism Optic (DPO)

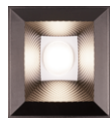
The Diamond Prism Optic™ (DPO™) is our patent-pending 3-tiered optic meticulously crafted to refract and reflect beams with great precision, effectively keeping glare to a minimum while delivering light of exceptional quality and visual comfort.



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.

LUMINAIRE LENGTH

Via 2 Prism 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'. DPO louvers are available in 1' and/or 6" sections. HLO and Blank are available in 1' and/or 1" sections. 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, ELV, TRIAC, 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.

VIA 2 PRISM

COMBINATION SURFACE

DIRECT



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

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.

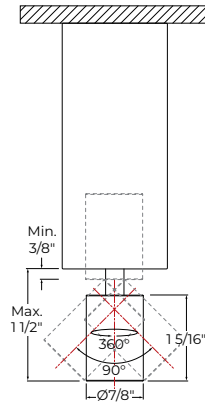
VIA 2 PRISM

COMBINATION SURFACE
DIRECT



MICRO SPOT MODULE

The Micro Spot is a $\varnothing 7/8"$ x $1 5/16"$ adjustable spotlight that extends, retracts, rotates 360°, and tilts 90°. Its LED light source is coupled with a TIR refractor to provide beam angles of 25°, 35°, and 50°, while producing up to 400 lumens. LED light source CCT options are 2700K, 3000K, 3500K, 4000K, and 5000K available in either 80+ CRI or 90+ CRI. The Micro Spot is offered in a white or black finish. The Micro Spot driver is mounted within the luminaire housing and accepts universal input voltage (120-277 VAC) with 0-10V dimming control.



Micro Spot

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.

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.

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

Drop lens: Extruded with glued end caps

End caps: Die-cast aluminum