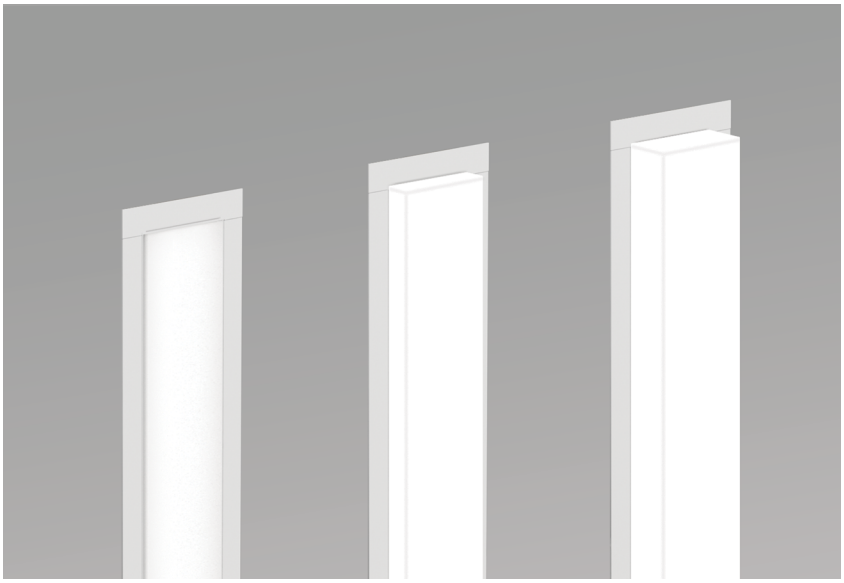
VIA 2 RECESSED VERTICAL

DIRECT
STATIC WHITE

Project: _____

Type: _____



Lens Positions

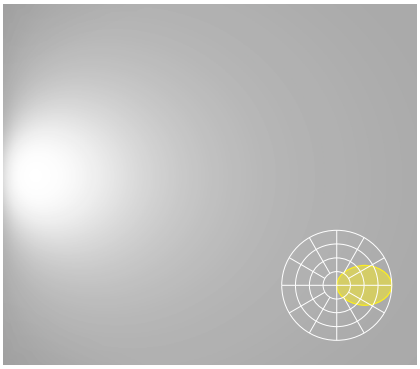
DESCRIPTION

Our elegant, flexible Via family is composed of linear, pendant, surface, recessed, and wall mounted luminaires. Each lighting fixture can be installed as a discrete luminaire or in continuous runs or patterns. Via 2 Recessed Vertical is offered with Lambertian optic.

Up to 114 lm/W performance

IC RATED

SENSORS
For latest information on sensors, click here.



Top view

HLO
High-Efficiency Lambertian Optic

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Order Guide

LUMINAIRE ID	DISTRIBUTION	OPTIC	LENS POSITION	LIGHT SOURCE [1]
VIA2RV	**D**	**HLO**		**SW**
VIA2RV - Via 2" Recessed Vertical	**D** - Direct	**HLO** - High-Efficiency Lambertian Optic	**FH** - Flush **0.5D** - 0.5" drop **1.0D** - 1.0" drop	**SW** - Static white [1] Chromawerx Sola, Duo and Quadro also available. Consult other spec sheets.

CRI	LUMEN PACKAGE	COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE
80CRI - 80 CRI **90CRI** - 90 CRI	**200LMF** [2,3] - Hypo output 200 lm/ft **350LMF** - Low output 350 lm/ft **500LMF** - Medium output 500 lm/ft **750LMF** - High output 750 lm/ft **1000LMF** - Ultra high output 1000 lm/ft [2] Minimum 4' fixture. [3] Not available with ELV/TRI driver options.	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**#FT#IN** - 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** [4] - 347V [4] Available with D1 driver only.

DRIVER [5]	ELECTRICAL	ELECTRICAL SECTIONS (optional) [11, 12]	POWER FEED
D1 - 1% 0-10V **DA** [6] - DALI **LDE1** [6] - Lutron Hi-lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V **ELV** [7] - ELV 120V **TRI** [7] - TRIAC 120V [5] PoE (Power-over-Ethernet) compatible. Consult factory for details. [6] On-site commissioning is required. [7] Available with 120V only.	**1C** - 1 circuit **#MC** [8] - Multi circuit **EC** - Emergency-powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [9,10] - Generator transfer device fixture [8] Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. [9] Minimum 4' fixture. [10] Not available with 347V.	**#EC##** [13] - Emergency-powered section **#NL##** [13] - Night light section **#DL##** [13] - Daylight section **#GTD##** [13,14,15] - Generator transfer device section **#EMB** [15,16] - Emergency battery **NA** - None [11] Specify with multi circuit (#MC) electrical option only. [12] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. [13] Specify quantity (#), and section length in inches (##). [14] Minimum 4' section. [15] Not available with 347V. [16] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	**EF** [17] - End feed **BF** - Back feed [17] Not available with multi-circuit (#MC) electrical option.

MOUNTING [18]	FINISH	CONTROL [20]		OPTIONS
DTR - Drywall trim **DTL** - Drywall trimless **DMF** - Drywall mud flange **MFM** [19] - Multiple flange mounting [18] Transition mounting options also available (e.g. Recessed to Pendant/Surface), consult factory for details. [19] See page 4 for details.	**W** - Matte white **B** - Matte black **CF#** - Custom finish, specify RAL#	STANDALONE CONTROLS [21,22,23] Specify the quantity (#) of sensors per fixture. **#OMS** [24] - Onboard Occupancy **#OMS##** [25] - Onboard Occupancy with bi-level dimming **#ODS** - Onboard Daylight **#OCS** - Onboard Occupancy & Daylight	CONNECTED CONTROLS [26] **LU**- Lutron **AWNR** - Lutron Athena Wireless Node RF Only **AWNS** - Lutron Athena Wireless Node Sensor **EN** - Enlighted **ENC** - Encelium **WL** - Cooper Wavelinx **AN** - Acuity nLight **CA** - Casambi **LG** - Legrand	**FU120** - Fuse 120V **FU277** - Fuse 277V **FWC** - Flexible whip cable (6' std) **NA** - None
		NA - None		
		[20] Standalone and connected control options cannot be combined. [21] Available with D1 driver and 1 circuit options only. [22] Minimum 4' per zone. Provide control zone length. [23] Available with flush lens option only.	[24] Fixture turns off when no occupancy. [25] Fixture dims to specified light level % (##). [26] Consult factory for connected controls.	

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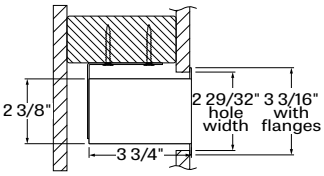
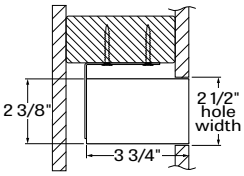
Dimensions

DRYWALL

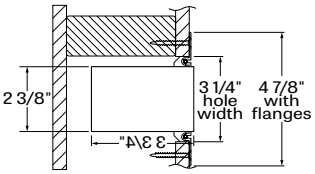
DTR - Drywall Trim



DTL - Drywall Trimless

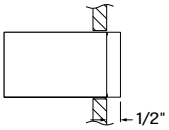


DMF - Drywall Mud Flange

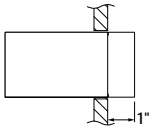


LENS POSITIONS

0.5" Drop Lens



1.0" Drop Lens



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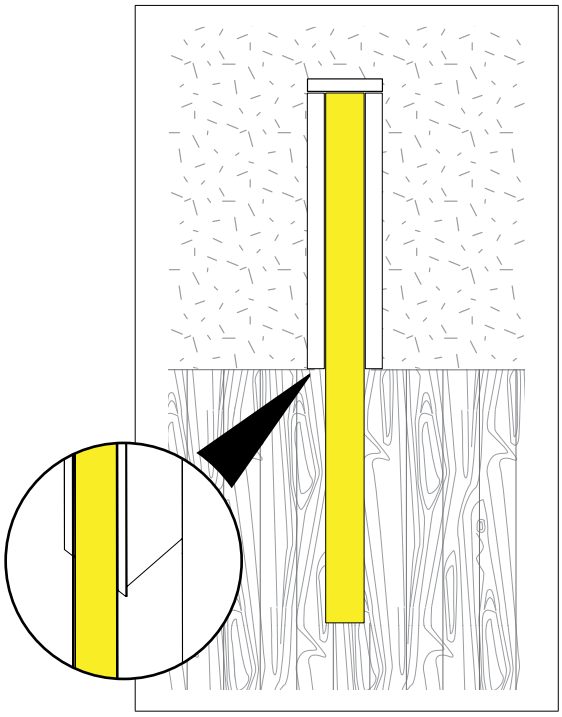
Multiple Flange Mounting Details

Multiple flange mounting can be specified when a fixture run needs to have a multiple flange recessed mounting detail. A drawing is required to clearly illustrate the application.

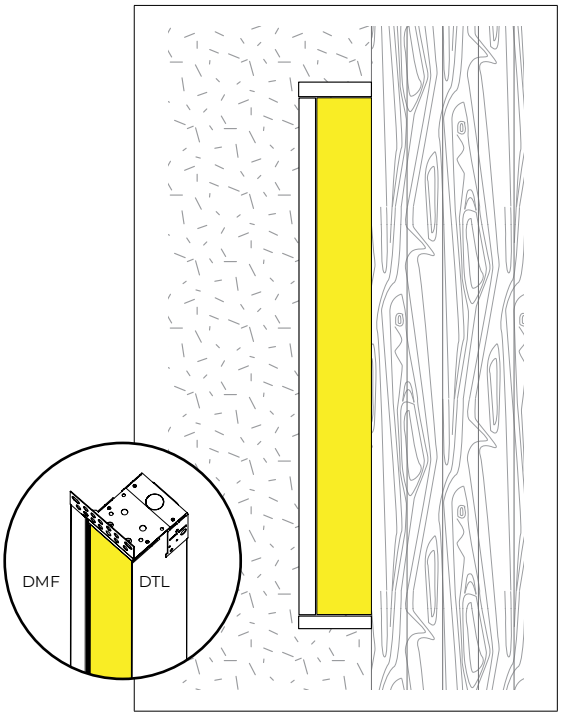
WALL CONDITION EXAMPLES (consult factory for project specific wall conditions)

DRYWALL/WOOD



e.g. DTR/DTL
Drywall Trim to Drywall Trimless

DRYWALL/WOOD



e.g. 3DMF/1DTL
3 sides DMF and 1 long side DTL

All drawings are for illustrative purposes only.

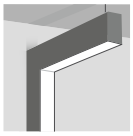
TRANSITION MOUNTING OPTIONS (consult factory for details)

Mounting condition alters along the run of the fixture.

Recessed to Pendant

Surface to Pendant

Surface to Recessed in corner



Surface to Pendant in corner

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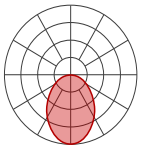
Photometrics

Values calculated based on a 4ft fixture at 35K and 80 CRI.

HLO (Flush Lens)



LM/FT	W/FT	LPW
200	1.8	109
350	3.2	109
500	4.7	107
750	7.2	104
1000	9.9	101

MULTIPLIER TABLES

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

Multiplier - CCT/CRI

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

Multiplier - Drop Lens

DIRECT LENS	WATTS	LPW
Flush Lens	1.00	1.00
Drop Lens 0.5"	0.99	1.00
Drop Lens 1.0"	0.95	1.05

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Technical Specifications

OPTIC

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.

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.

LUMINAIRE LENGTH

Via 2 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', and can be ordered in 1' and/or 1" increments. 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 (120-277VAC) 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.

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 OPTIONS

Recessed wall mounting for drywall is available with trim, trimless, or mud flange options.

FINISH

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

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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, Enlighted, 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 - Acrylic
Drop lens - Extruded with glued end caps
Recessed flanges - Extruded aluminum, up to 90% recycled content
Mud flange - Extruded aluminum, up to 90% recylced content
Slip-through bracket - Die-formed galvanized sheet
End plate - Die-formed cold rolled sheet steel

WEIGHT

4ft - 9.03 lbs - 4.1 kg
8ft - 18.28 lbs - 8.3 kg
12ft - 27.97 lbs - 12.7 kg

CERTIFICATIONS

ETL - Rated for Indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0
IC rated - Suitable for direct contact with insulation

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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