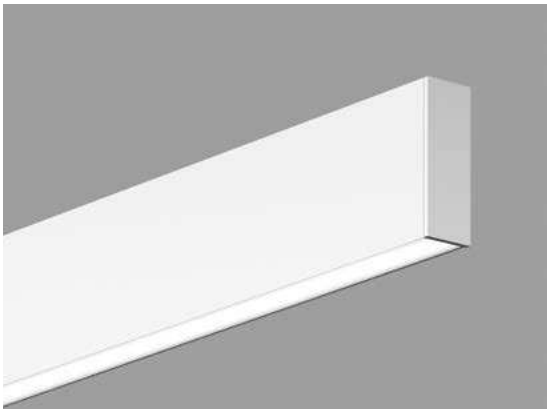
VIA 2 LED

WALL DIRECT/INDIRECT

5 YEARS WARRANTY

LUMENWERX
WWW.LUMENWERX.COM



Shown with HLO optics

DESCRIPTION

Via 2 is the elegant and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 2 features numerous optical configurations, which are difficult to achieve in luminaires. See separate spec sheets for patterns and other available mountings.

PROJECT: _____

TYPE: _____

NOTES: _____

ORDER GUIDE

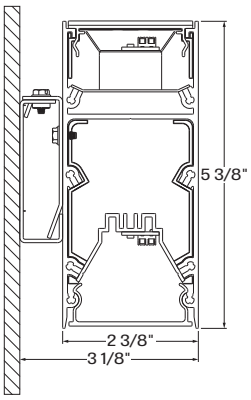
VIA2WDI	HLO	LED			
LUMINAIRE ID	**OPTICS**	**LIGHT SOURCE**	**CRI**	**DIRECT LUMEN PACKAGES**	**INDIRECT LUMEN PACKAGES**
VIA2WDI - via 2" wall direct/indirect	**HLO** - High-Efficiency Lambertian Optic	**LED** - high performance LED	**80** - 80CRI **90** - 90CRI (consult factory)	**400** - low output 400lm/ft **500** - med. output 500lm/ft **750** - high output 750lm/ft	**500** - low output 500lm/ft **750** - medium output 750lm/ft Lower lumen packages are available, consult factory

COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL
30 - 3000k **35** - 3500k **40** - 4000k	Standard sections - 2', 3', 4', 5', 8' & 12' For all other specify length **#FT** - nominal length in feet **#IN** - length in inches Continuous Run - for luminaires over 12' Minimum Individual section 2'	**120** - 120V **277** - 277V **UNV** - 120V-277V **347** - 347V	**D** - dimming 0-10V **DA** - Dali **LA2**- Lutron Hi-Lume A - 2 wires 120V **LA3** - Lutron Hi-Lume A - 3 wires /EcoS **LEH** - Lutron EcoSystem H **LE5** - Lutron EcoSystem 5 **OTH** - other (consult factory)	**1** - 1 circuit **2** - 2 circuits **+#EB** - emergency battery pack (for min 4' fixture) **+#EM** - emergency light circuit **+#NL** - night light circuit **+GTD** - generator transfer device

MOUNTING	FINISH	CONTROLS	OPTIONS
DMB - drywall mounting bracket **CMB** - custom mounting bracket	**W** - matte white **AL** - aluminum **CF#** - custom finish specify RAL#	ONBOARD **OMS** - Motion Sensor & power pack **ODS** - Daylight Sensor & controller WIRELESS **EWC** - EnOcean Wireless Controller **LMC** - Lutron Motion Controller **LDC** - Daylight Controller	**FU** - fuse **DC** - dust cover **CU** - custom

See page 2 for ordering code detailed information

CROSS SECTION



VIA2WDI - wall

OPTICS

HLO - High-efficiency Lambertian Optic

OPTICS

HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - Matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE - LED

Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated 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.

PERFORMANCE PER 4' AT 4000K

Medium Indirect Output (3000 Lumens)

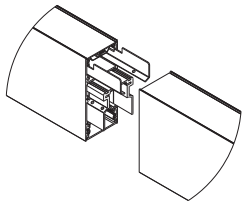
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	4000K	48	1600	3000	4600	96
medium output	4000K	54	2000	3000	5000	93
high output	4000K	67	3000	3000	6000	89

Low Indirect Output (2000 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	4000K	38	1600	2000	3600	95
medium output	4000K	43	2000	2000	4000	93
high output	4000K	57	3000	2000	5000	87

LUMINAIRE LENGTH

Via 2 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.
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.



joining system for Via 2 Direct/Indirect

ELECTRICAL

Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V 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 A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1000 lumens per 4ft (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS

Fixtures may be horizontally mounted directly to the wall. For long runs, a minimum of 6" from adjacent walls is required.

FINISH

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

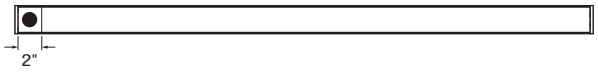
CONTROLS

LumenWerx offers several options for integrating motion and daylight controls into Via 2 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration. Onboard options incorporate both the sensor and controller/powerpack. Onboard sensors, while inherently simpler, have limitations of control and coverage.

Onboard

Onboard Motion Sensor and **power pack (OMS)** provide automatic on and automatic off control, using PIR detection. Sensor is designed to detect fine-motion when installed within 6' of occupants.

Onboard Daylight Sensor and **controller (ODS)** provide input for 0-10V dimming drivers. Separate switched control of line input is required for on/off control.



Location of an Onboard sensor

Wireless

EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.

Lutron Motion Controller (LMC) and **Daylight Controller (LDC)** provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.

CONSTRUCTION

Housing - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95" nominal)
Reflectors - Extruded Aluminum (0.075" nominal) up to 95% reflective matte
End caps - Die cast Aluminum (0.95" nominal)

WEIGHT

Via 2 4ft - 10.68lbs - 4.85kg
Via 2 8ft - 22.03lbs - 10kg
Via 2 12ft - 32.60lbs - 14.8kg

CERTIFICATIONS

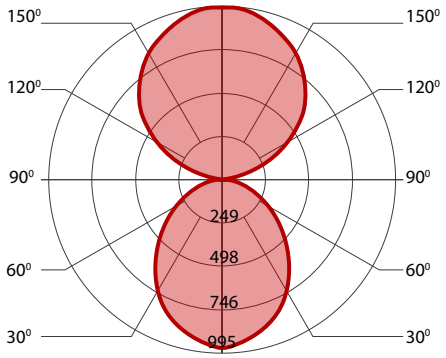
ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

LumenWerx provides a five-year limited warranty of 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.

PERFORMANCE AT INDIRECT 500 LUMEN PER FOOT

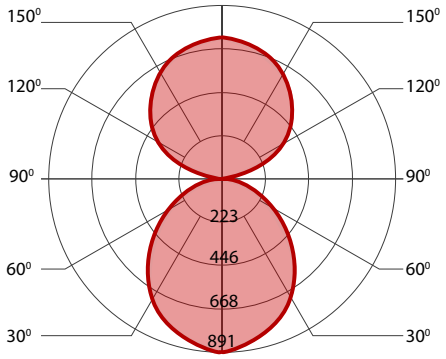
400 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	3000K	40	1600	2000	3600	89
low output	3500K	39	1600	2000	3600	92
low output	4000K	38	1600	2000	3600	95

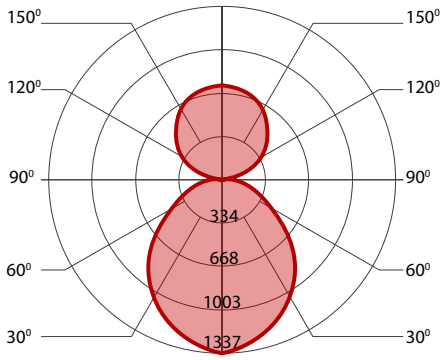
500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	46	2000	2000	4000	87
medium output	3500K	44	2000	2000	4000	90
medium output	4000K	43	2000	2000	4000	93

750 LUMEN AT 80CRI - HIGH OUTPUT

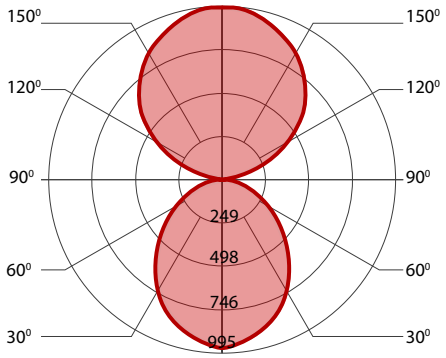


PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
high output	3000K	61	3000	2000	5000	82
high output	3500K	60	3000	2000	5000	84
high output	4000K	57	3000	2000	5000	87

PERFORMANCE AT INDIRECT 750 LUMEN PER FOOT

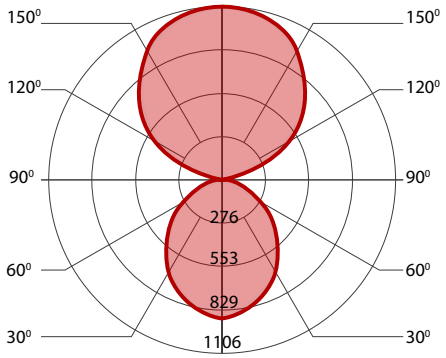
400 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	3000K	51	1600	3000	4600	90
low output	3500K	50	1600	3000	4600	92
low output	4000K	48	1600	3000	4600	96

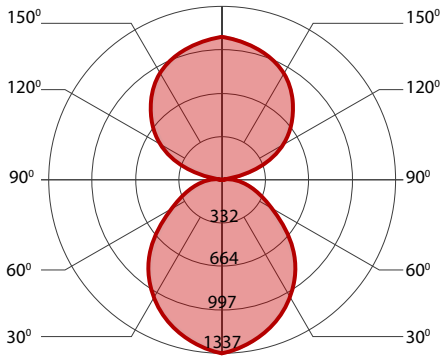
500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	57	2000	3000	5000	88
medium output	3500K	56	2000	3000	5000	90
medium output	4000K	54	2000	3000	5000	93

750 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
high output	3000K	86	3000	3000	6000	70
high output	3500K	86	3000	3000	6000	70
high output	4000K	67	3000	3000	6000	89