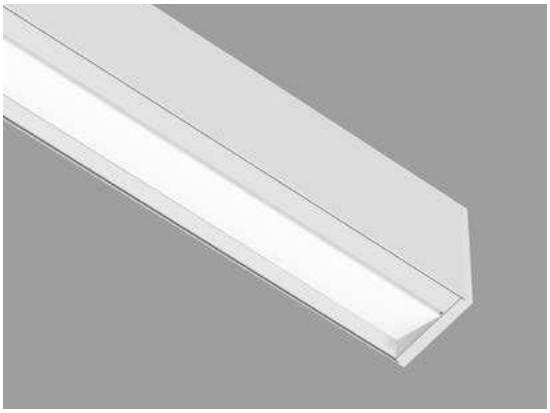
VIA 3 LED

WALL DIRECT ASYMMETRIC

LUMENWERX
WWW.LUMENWERX.COM



Shown with ARO optics

DESCRIPTION

Via 3 is a compact linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires or continuous runs. Via 3 features numerous high-efficiency optical configurations, including wall wash, asymmetric and offers a wide range of electrical options and trim details. See separate spec sheets for patterns and other mountings.

PROJECT: _____

TYPE: _____

NOTES: _____

ORDER GUIDE

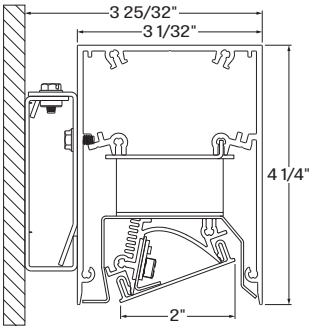
VIA3WD	ARO	LED			
LUMINAIRE ID	**OPTICS**	**LIGHT SOURCE**	**CRI**	**LUMEN PACKAGES**	**COLOR TEMP.**
VIA3WD - via 3" wall direct	**ARO** - asymmetric reflector optic	**LED** - high performance LED	**80** - 80CRI **90** - 90CRI (consult factory)	**375** - low output 375lm/ft **500** - med. output 500lm/ft **750** - high output 750lm/ft	**30** - 3000k **35** - 3500k **40** - 4000k

LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL	MOUNTING
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 **+#EB** - emergency battery pack (for min 4' fixture) **+#EM** - emergency light circuit **+#NL** - night light circuit **+GTD** - generator transfer device	**DMB** - drywall mounting bracket **CMB** - custom mounting bracket

See page 2 for ordering code detailed information

FINISH	CONTROLS	OPTIONS
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 **CU** - custom

CROSS SECTION



VIA3WD - wall asymmetric

OPTICS

ARO - Asymmetric Reflector Optic

OPTICS

ASYMMETRIC REFLECTOR OPTIC (ARO) has a split light distribution: a modified lambertian distribution with peak intensity at nadir to one side and batwing with peak intensity at 40° to the other. ARO uses a matte finished reflector combined with a high-transmission diffusing film. A "visor" shields luminaire hardware from lateral viewing angles. ARO is also available in an indirect distribution.

LIGHT SOURCE - LED

Custom Linear array of mid-flux LED's are aluminum-mounted for optimal thermal performance. 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.

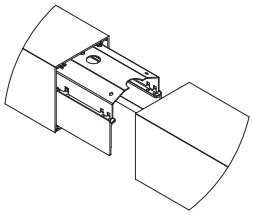
PERFORMANCE PER 4' AT 4000K

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	23	1500	66
medium output	4000K	31	2000	64
high output	4000K	47.5	3000	63

LUMINAIRE LENGTH

Via 3 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, and continuous run lengths can be ordered in 2 inch 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.



joining system Via 3 direct

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.

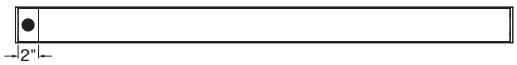
CONTROLS

LumenWerx offers several options for integrating motionand daylight controls into Via 3 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 (0.070" nominal) up to 90% Recycled Content.
End caps - Die cast Aluminum (0.95" nominal)

WEIGHT

Via 3 4ft - 11.12lbs - 5.05kg
Via 3 8ft - 22.25lbs - 10.1kg
Via 3 12ft - 33.48lbs - 15.2kg

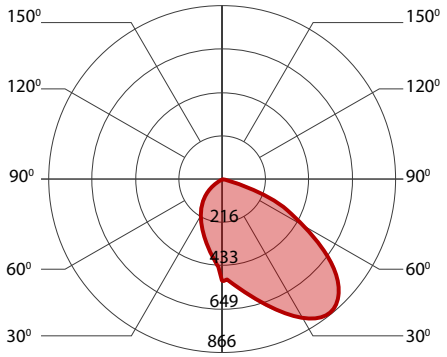
CERTIFICATIONS

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.

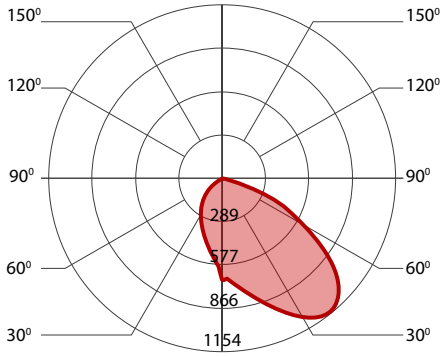
375 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	24	1500	62
low output	3500K	23	1500	64
low output	4000K	23	1500	66

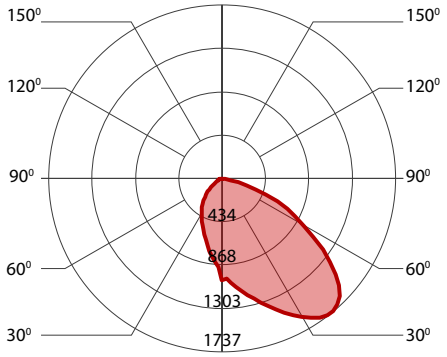
500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	33	2000	60
medium output	3500K	32	2000	62
medium output	4000K	31	2000	64

750 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	3000K	51	3000	59
high output	3500K	49	3000	61
high output	4000K	47.5	3000	63