VIA 1.5 LED

PENDANT DIRECT

LUMENWERX
WWW.LUMENWERX.COM

DESCRIPTION

Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

PROJECT: _____

TYPE: _____

NOTES: _____

_____

Shown with HLO optics

ORDER GUIDE

VIA1.5PD	HLO	LED			
LUMINAIRE ID	**OPTICS**	**LIGHT SOURCE**	**CRI**	**LUMEN PACKAGES**	**COLOR TEMP.**
VIA1.5PD - via 1.5" pendant direct	**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	**30** - 3000k **35** - 3500k **40** - 4000k

LUMINAIRE LENGTH	**VOLTAGE**	**DRIVER**	**ELECTRICAL**
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

MOUNTING	**FINISH**	**CONTROLS**	**OPTIONS**
53WAC36 - power 5" + non power 3" white canopy (36" air craft cable) **55WSW18** - power 5" + non power 5" white canopy & stem (18" stem) For all other mountings refer to the Pendant Mounting Guide.	**W** - matte white **AL** - aluminum **CF#** - custom finish specify RAL#	WIRELESS **EWC** - EnOcean Wireless Controller **LMC** - Lutron Motion Controller **LDC** - Daylight Controller	**FU** - fuse **TB#** - T-bar caddy clip specify grid size **TG#** - Tegular caddy clip specify grid size **ST** - Screw Slots caddy clip **CU** - custom

See page 2 for ordering code detailed information

CROSS SECTION

3 3/4"

1 1/2"
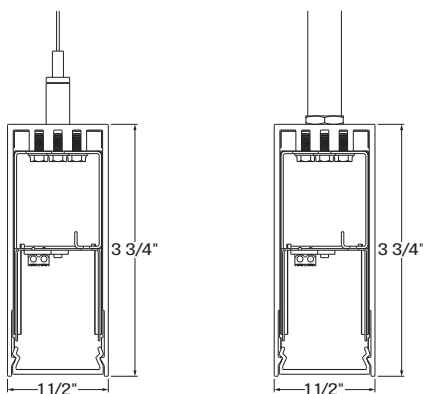
VIA1.5PD - air craft cable

3 3/4"

1 1/2"

VIA1.5PD - stem

OPTICS

HLO - High-efficiency Lambertian Optic

ETL Listed
Intertek

VIA 1.5 LED

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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

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	19	1600	83
medium output	4000K	24	2000	82
high output	4000K	37	3000	81

LUMINAIRE LENGTH

Via 1.5 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.
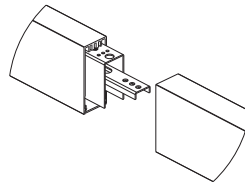
joining system for Via 1.5

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 can be pendant-mounted, using air craft cables, or stem-mounted.

Unless otherwise specified, LumenWerx provides the following hardware:

For cable-mounted fixtures - 53WAC36 (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" cable)

For stem mounted fixtures - 55WSW18 (5" white canopy for all power mounting point, and non power mounting point, and a 18" white stem)

Caddy clips, if required specify under **OPTIONS**

For all other required mountings options, for all our Pendant Mounting Guide at www.lumenwerx.com

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 occupancy and daylight controls into Via 1.5 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.

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.

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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 - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted

End caps - Die cast Aluminum (0.95" nominal)

Hanger - Chromed Griplock securely attached with spring steel hardware in end caps and/or joiners

Air craft cable suspension - 7x7 braids Aluminum air craft cable 0.06" thick

Stem - 0.5" diameter threaded steel tube matte white or silver powder coating. Custom finishes are also available

WEIGHT

Via 1.5 4ft - 7.16lbs - 3.25kg
Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

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.
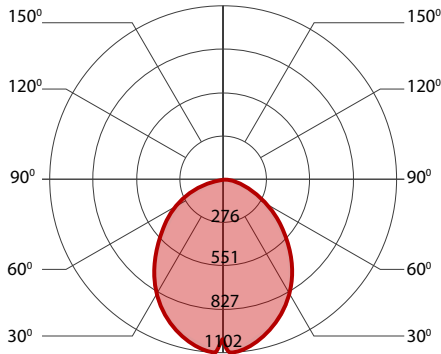
400 LUMEN AT 80CRI - LOW OUTPUT
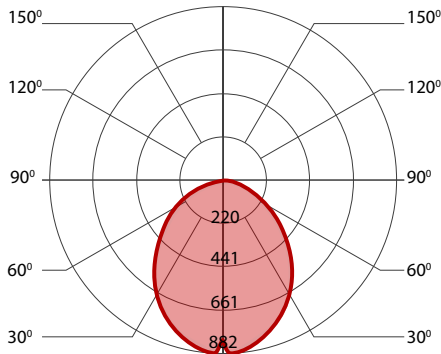
PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	21	1600	78
low output	3500K	20	1600	80
low output	4000K	19	1600	83

500 LUMEN AT 80CRI - MEDIUM OUTPUT

PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	26	2000	77
medium output	3500K	25	2000	79
medium output	4000K	24	2000	82

750 LUMEN AT 80CRI - HIGH OUTPUT
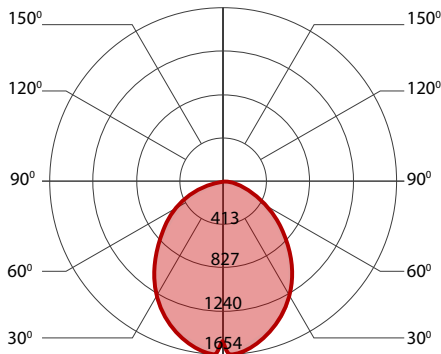
PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	3000K	39	3000	76
high output	3500K	38	3000	78
high output	4000K	37	3000	81