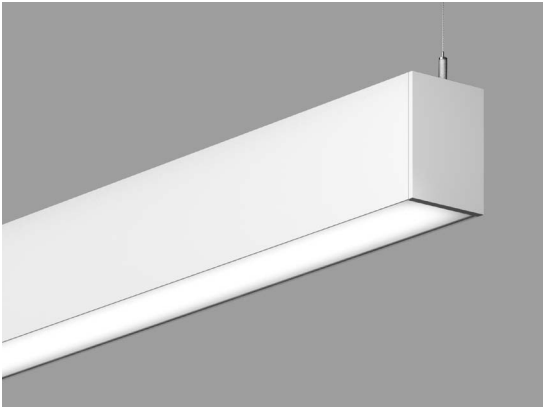


VIA 4 LED

PENDANT DIRECT



Shown with HLO optics

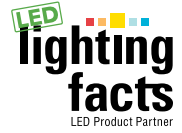
DESCRIPTION

Via 4 is the flexible linear LED luminaire system for pendant, surface and recessed or in-wall installation, whether as discrete luminaires, continuous runs or patterns. Via 4 features numerous high-efficiency optical configurations, including separately controlled indirect/direct, wall wash and asymmetric distributions, as well as a wide range of electrical, control and trim options. See separate spec sheets for patterns and other available mountings.

PROJECT: _____

TYPE: _____

NOTES: _____



ORDER GUIDE

up to 126 lm/w performance

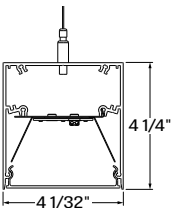
VIA4PD	HLO	LED			
LUMINAIRE ID	OPTICS	LIGHT SOURCE	CRI	LUMEN PACKAGES	COLOR TEMP.
VIA4PD - via 4" pendant direct	HLO - High-Efficiency Lambertian Optic	LED - high performance LED	80 - 80CRI 90 - 90CRI	500 - low output 500lm/ft 750 - med. output 750lm/ft 1000 - high output 1000lm/ft 1200 - ultra high output 1200lm/ft	30 - 3000k 35 - 3500k 40 - 4000k

LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL	MOUNTING	FINISH
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	D1 - 1% dimming 0-10V D5 - 5% dimming 0-10V DA - Dali LTE - Lutron 1% - 2 wires 120V L3D3W - Lutron 1% - 3 wires L3DE - Lutron 1% EcoSystem LDE1 - Lutron 1% Eco Dim to Off LE5 - Lutron 5% EcoSystem	1 - 1 circuit +EB - emergency battery (min 4' fixture, except Lutron) +EM - emergency light circuit +NL - night light circuit +COB/MR - COB/MR circuit +GTD### - generator transfer device, 120V or 277V	53WAC36 - power 5" + non power 3" white canopy (36" air craft cable) 55WSW18 - power 5" + non power 5" white canopy & stem (18" stem) See page 2 for all other mounting options.	W - matte white AL - aluminum B - matte black CF# - custom finish specify RAL#

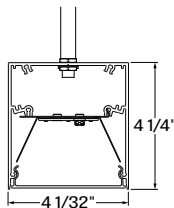
CONTROLS	LED DOWNLIGHT	COB CRI	COB LUMEN PACK.	COB COLOR TEMP.	COB DRIVER	OPTIONS
<u>INDIVIDUAL CONTROLS</u> OMS - Onboard Occupancy ODS - Onboard Daylight OCS - Onboard Occupancy & Daylight <u>GROUPED CONTROLS</u> LSC - Local system NSC - Network system	#COB20 - COB 20° #COB30 - COB 30° #COB40 - COB 40° #MR16 - MR16 LED Minimum individual section with downlight 4'	80 - 80CRI 90 - 90CRI 97 - 97CRI (consult factory)	600 - 600lm 1200 - 1200lm 1800 - 1800lm	30 - 3000k 35 - 3500k 40 - 4000k	D1 - 1% dimming 0-10V D5 - 5% dimming 0-10V DA - Dali	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 3 for ordering code detailed information

CROSS SECTION



VIA4PD - air craft cable



VIA4PD - stem

OPTICS



HLO - High-efficiency Lambertian Optic

MOUNTING CODE GUIDE

How to specify the required mounting?

Our standard mounting kits for a cable mount is 53-W-AC-36 and for stem mount 55-W-SW-18.

See table below for other configuration.

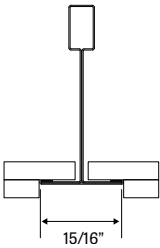
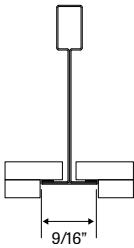
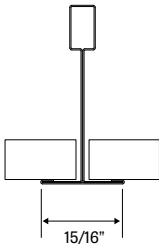
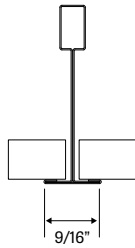
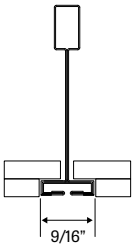
- Canopy size** - Our standard canopy size is 5" for the power and 3" for the non power side. For stem mount both canopies are 5"
- Canopy color** - White is the standard, custom color can be specified.
- Hardware** - In addition to the standard white we offer the stem in aluminum, black or custom color
- Cable or stem length** - Standard length, cable - 36", Stem 18", custom length can be specified for both.

AIR CRAFT AND STEM MOUNTING

CANOPY SIZE	CANOPY COLOR	HARDWARE	CABLE OR STEM LENGTH
53 Power side 5" canopy Non power side 3" canopy (available for cable mount only)	W White AL Aluminum	AC Air Craft Cable SW Stem white	18 18 inches 24 24 inches
55 Power side 5" canopy Non power side 5" canopy	B Black #### For all other specify RAL#	SA Stem aluminum SB Stem black S##### For all other stem color specify RAL#	36 36 inches ### For all other specify length

When a caddy clips is required, please use the **OPTIONS** code to specify the ceiling type and size.

CADDY CLIP OPTIONS

CEILING TYPE				
				
TG 15/16 Tegular ceiling	TG 9/16 Tegular ceiling	TB 15/16 T-bar ceiling	TB 9/16 T-bar ceiling	ST Screw slot ceiling

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.

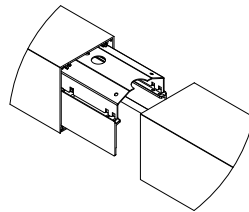
PERFORMANCE PER 4' AT 4000K

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	16	2000	126
medium output	4000K	25	3000	121
high output	4000K	33.5	4000	119
ultra high output	4000K	40.5	4800	118

LUMINAIRE LENGTH

Via 4 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 4 direct

ELECTRICAL

Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from 100% to 1% 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 aircraft 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 mounting options, see our Pendant Mounting Guide at www.lumenwerx.com

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - matte white, matte black or aluminum powder coating.

Custom finishes are also available.

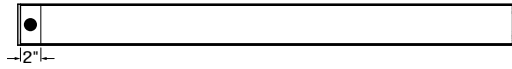
CONTROLS

LumenWerx offers several options for integrating occupancy and daylight controls. Whether a sensors control its own fixture or is part of a group of fixtures, lights can be automatically controlled according to different energy saving strategies. With **individual Controls**, an on-board sensor controls the fixture in which it is installed. Depending on the length, more than one sensor may be necessary and may control the entire fixture, or just a section.

With **Grouped Controls**, on-board or remote sensor are part of a either a local or network sensor infrastructure. It's possible to scale the controls, from a switch to a fixture setup, to a room or a whole building Occupancy and or daylight harvesting.

INDIVIDUAL CONTROLS

Individual controls are integrated into the fixture and are therefore easy to use and allow for a cleaner looking space as no ceiling or wall-mounted sensors are required. Individual controls can be one of three types (**OMS**) Occupancy, (**ODS**) Daylight Harvesting (Photocell), or (**OCS**) combined occupancy and daylight harvesting. These controls will be installed with factory settings, but most offer field adjustability with regular tools or manufacturer supplied configuration tools.



Location of an Onboard control

GROUPED CONTROLS

Local systems permit added flexibility and interconnectivity. Each fixture can now become part of a group of fixtures and be controlled by On-Board or remote sensors as well as wireless switches or controllers. With this architecture, it is now possible to have fewer fixtures with On-Board sensor which control all of the fixtures of the lighting zone. In order to have grouped controls programmed in factory, it is required that a floor layout with requested grouping and functionality be supplied. Field commissioning is also possible but must be requested and discussed before final Purchase Order is placed.

Network Controls, Lumenwerx fixtures are compatible with most popular BMS integration protocols such as DALI, DMX, EnOcean, BACnet, Enlighted and Lutron Ecosystem just to name a few. Field commissioning is usually required and details must be discussed before final Purchase Order is placed.

Please contact our controls department at controls@lumenwerx.com for future assistance.

LIGHT SOURCE - COB

Fixtures with Chip On Board (COB) technology are able to provide a maximum output of 1800 lumens from a discrete 50mm aperture on 8 inch centers. Standard CRI is 80, for 90 and 97 CRI with elevated R9 values please consult factory. Standard 20°, 30° and 40° beam angles are available, as are custom angles with prior factory approval. All our Chip-On-Board products have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 50,000 hours.



Chip On Board (COB)

LIGHT SOURCE - MR16

Our MR16 option is a replaceable bulb solution which allows for up to a 50W halogen equivalent solution.

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 - Cold rolled steel 0.024" 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 aluminum powder coating. Custom finishes are also available

WEIGHT

Via 4 4ft - 11.45lbs - 5.2kg

Via 4 8ft - 23.13lbs - 10.5kg

Via 4 12ft - 34.58lbs - 15.7kg

CERTIFICATIONS

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

DLC - Testing to DLC requirements, for this product, have been completed by an Accredited Laboratory and certified by DLC.

Lighting facts - testing products and reporting performance results according to industry standards.

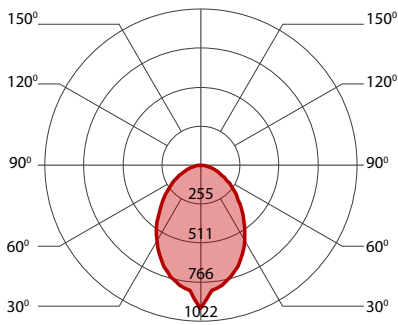
WARRANTY

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.

VIA 4 LED

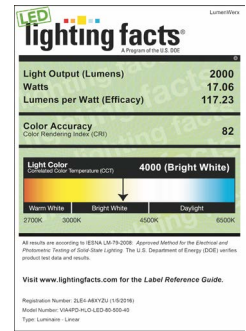
PENDANT DIRECT

500 LUMEN AT 80CRI - LOW OUTPUT

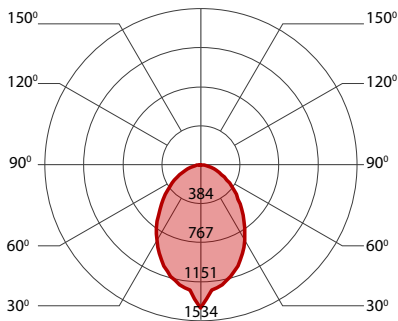


PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	16.5	2000	120
low output	3500K	16.5	2000	122
low output	4000K	16	2000	126

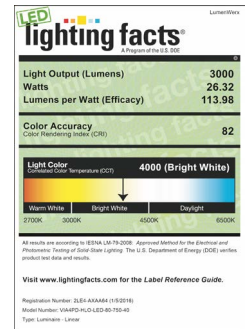


750 LUMEN AT 80CRI - MEDIUM OUTPUT

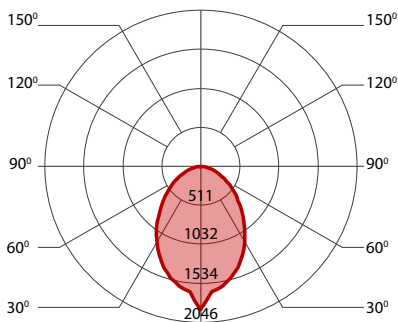


PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	26.5	3000	114
medium output	3500K	25.5	3000	117
medium output	4000K	25	3000	121

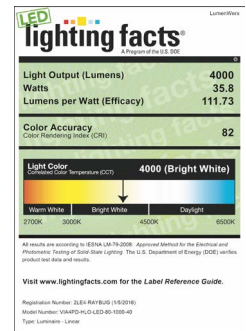


1000 LUMEN AT 80CRI - HIGH OUTPUT

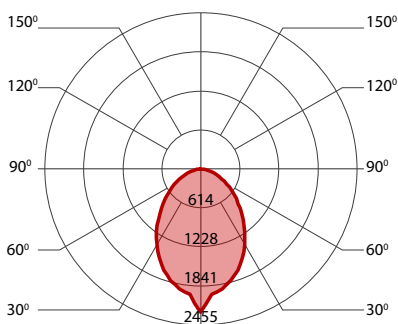


PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	3000K	35.5	4000	113
high output	3500K	34.5	4000	116
high output	4000K	33.5	4000	119



1200 LUMEN AT 80CRI - ULTRA HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
ultra high output	3000K	43	4800	112
ultra high output	3500K	42	4800	114
ultra high output	4000K	40.5	4800	118

