

VIA 1.5 - PATTERNS

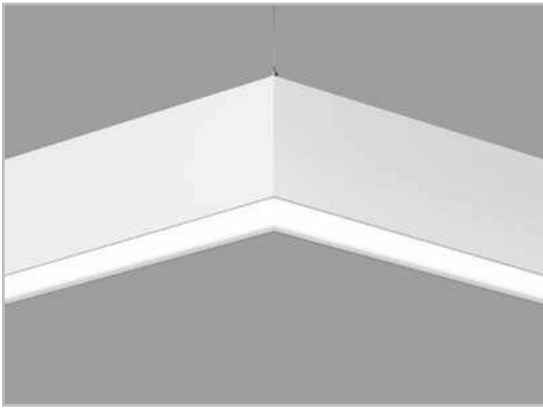
PENDANT DIRECT/INDIRECT

LUMENWERX
WWW.LUMENWERX.COM



DESCRIPTION

At LumenWerx, we make it simple to design patterns customized for you. Whether surface, wall mount, pendant or recessed - or even a combination of different mounting types, we make it easy to achieve the results you're looking for. While our standard is a 90° corner, we can customize angles to suit your needs.



LEV - leveled corner

PROJECT: _____

TYPE: _____

NOTES: _____

ORDER GUIDE

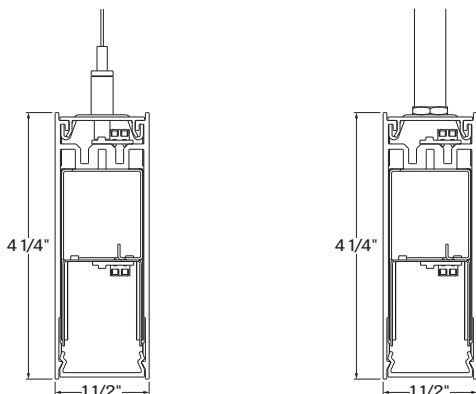
VIA1.5PDIPAT	HLO	LED			
LUMINAIRE ID	OPTICS	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGES	INDIRECT LUMEN PACK.
VIA1.5PDIPAT - via 1.5" pendant direct/indirect pattern	HLO - High-Efficiency Lambertian Optic	LED - high performance LED	80 - 80CRI 90 - 90CRI (consult factory)	400 - low output 400lm/ft 500 - med. output 500lm/ft 750 - high output 750lm/ft	500 - low output 500lm/ft 750 - med. output 750lm/ft Lower lumen packages are available, consult factory

		LEV				
COLOR TEMP.	PATTERN LENGTH	CORNER TYPE	CORNERS DEGREE	VOLTAGE	DRIVER	
30 - 3000k 35 - 3500k 40 - 4000k	#FT - nominal length in feet #IN - length in inches Continuous Run - for luminaires over 12'	LEV - leveled corner	90 - 90 degrees # - other degrees	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)	

ELECTRICAL	MOUNTING	FINISH	CONTROLS	OPTIONS
1 - 1 circuit 2 - 2 circuits + #EB - emergency battery pack (for min 8' fixture) + #EM - emergency light circuit + #NL - night light circuit	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 add RAL#	WIRELESS EWC - EnOcean Wireless Controller LMC - Lutron Motion Controller LDC - Daylight Controller	FU - fuse DC - dust cover TB# - T-bar caddy clip specify grid size TG# - Tegular caddy clip specify grid size ST - Screw Slots caddy clip CU - custom

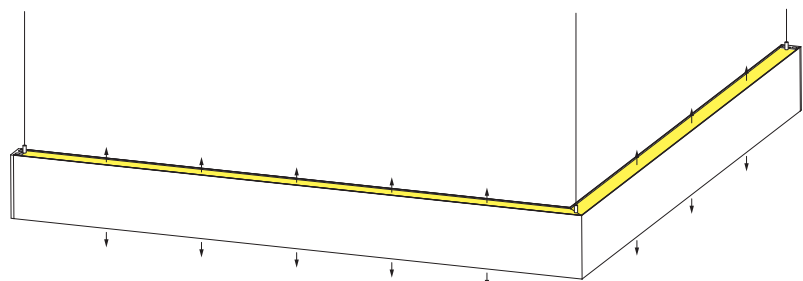
See page 2 for ordering code detailed information

CROSS SECTION



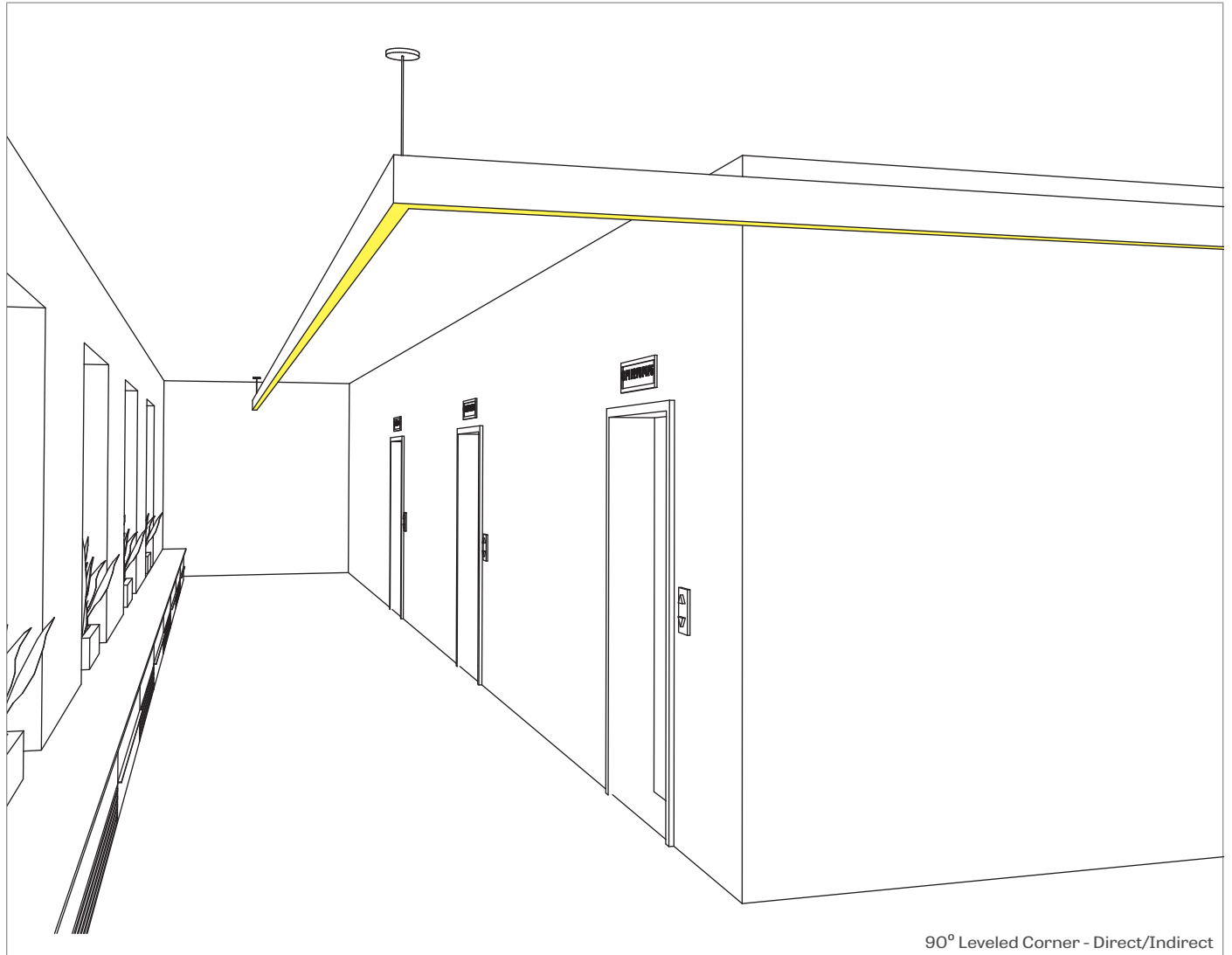
VIA1.5PDIPAT - air craft cable VIA1.5PDIPAT - stem

3D VIEW



LEV - leveled corner with end caps

LEVELED CORNERS



90° Leveled Corner - Direct/Indirect

HOW TO SPECIFY A PATTERN?

Please follow these steps when specifying in order to be as precise as possible.

- (1) We require a drawing illustrating the pattern you are trying to achieve - anything from a simple line drawing to elaborate architectural drawings will suffice.
- (2) Under **PATTERN LENGTH**, enter the overall length of your pattern - either in feet or inches.
- (3) Under **CORNER TYPE**, please enter the type (or types) of corner you require. If more than one type of corner is required, please separate types with a plus (+).
- (4) Under **CORNERS DEGREE**, please enter the angle in degrees of each corner required to complete your pattern (for example 90+90+90).

	LEV	
PATTERN LENGTH	CORNER TYPE	CORNERS DEGREE
#FT - nominal length in feet	LEV - leveled corner	90 - 90 degrees
#IN - length in inches		# - other degrees
Continuous Run - for luminaires over 12'		

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.

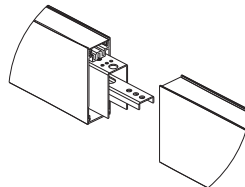
All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4' AT 4000K

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	4000K	39	1600	2000	3600	93
medium output	4000K	44	2000	2000	4000	91
high output	4000K	57	3000	2000	5000	88

PATTERN LENGTH

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
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 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 motion 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.

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 Gripllock 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

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.

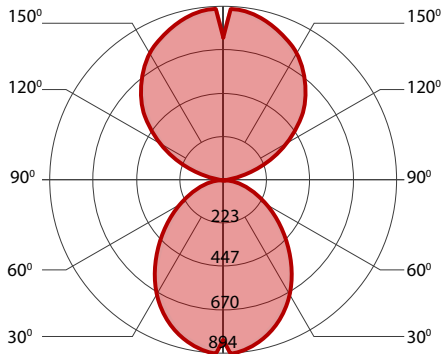
VIA 1.5 - PATTERNS

PENDANT DIRECT/INDIRECT

LUMENWERX
WWW.LUMENWERX.COM

PERFORMANCE AT INDIRECT 500 LUMEN PER FOOT

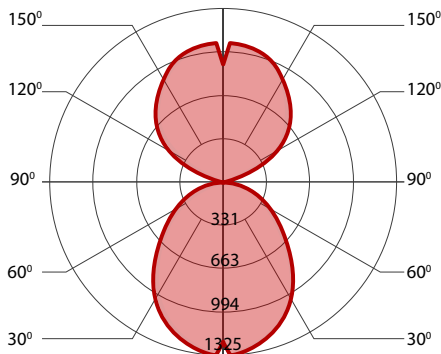
400 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	3000K	41	1600	2000	3600	87
low output	3500K	40	1600	2000	3600	90
low output	4000K	39	1600	2000	3600	93

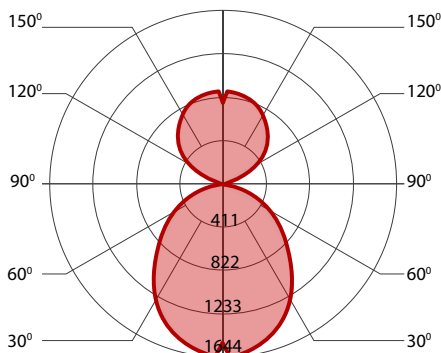
500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	47	2000	2000	4000	85
medium output	3500K	45	2000	2000	4000	88
medium output	4000K	44	2000	2000	4000	91

750 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE PER 4'

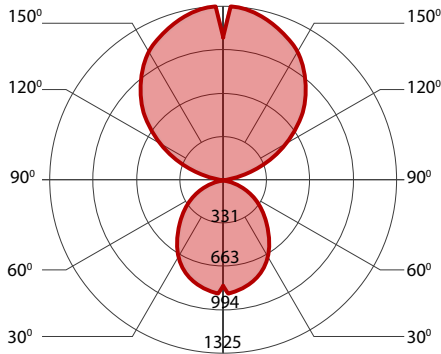
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
high output	3000K	60	3000	2000	5000	83
high output	3500K	56	3000	2000	5000	89
high output	4000K	57	3000	2000	5000	88

VIA 1.5 - PATTERNS

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 750 LUMEN PER FOOT

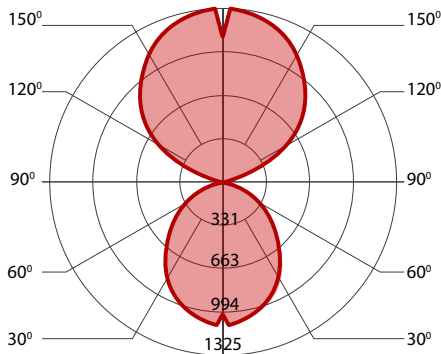
400 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
low output	3000K	52	1600	3000	4600	88
low output	3500K	51	1600	3000	4600	91
low output	4000K	52	1600	3000	4600	88

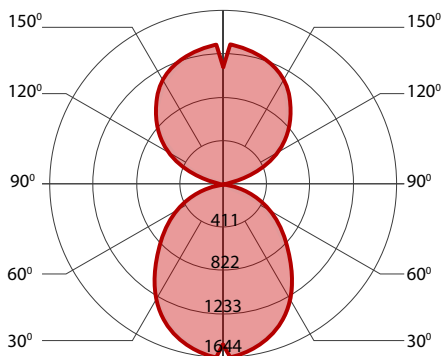
500 LUMEN AT 80CRI - MEDIUM OUTPUT



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	87
medium output	3500K	56	2000	3000	5000	89
medium output	4000K	54	2000	3000	5000	92

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	71	3000	3000	6000	84
high output	3500K	69	3000	3000	6000	87
high output	4000K	67	3000	3000	6000	90