VIA 3 - PATTERNS

RECESSED

5 YEARS WARRANTY

LUMENWERX
W W W . L U M E N W E R X . C O M
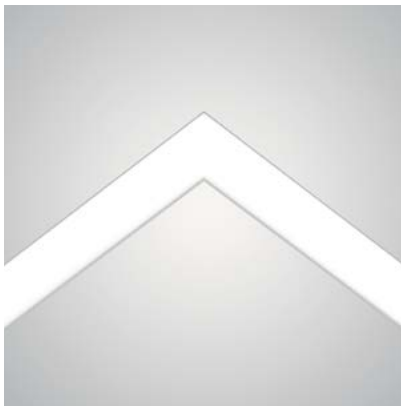
INN - inner corner

LEV - leveled corner

OUT - outer corner

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.

up to 104 lm/w performance

ORDER GUIDE

IC RATED

VIA3RPAT	HLO	LED				
LUMINAIRE ID	**OPTICS**	**LIGHT SOURCE**	**CRI**		**LUMEN PACKAGES**	**COLOR TEMP.**
VIA3RPAT - via 3" recessed pattern	**HLO** - High-Efficiency Lambertian Optic	**LED** - high performance LED	**80** - 80CRI **90** - 90CRI (consult factory)		**500** - low output 500lm/ft **750** - med. output 750lm/ft **1000** - high output 1000lm/ft	**30** - 3000k **35** - 3500k **40** - 4000k

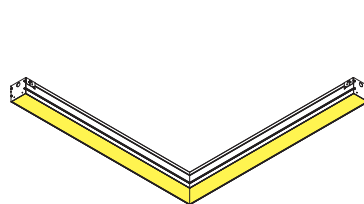| **PATTERN LENGTH**	**CORNER TYPE**	**CORNERS DEGREE**	**VOLTAGE**	**DRIVER**	**ELECTRICAL**
#FT - nominal length in feet **#IN** - length in inches Continuous Run - for luminaires over 12'	**INN** - inner corner **OUT** - outer corner **LEV** - leveled corner	**90** - 90 degrees **#** - other degrees	**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)	**1** - 1 circuit **+#EB** - emergency battery pack (for min 4' fixture) **+#EM** - emergency light circuit **+#NL** - night light circuit **+GTD** - generator transfer device

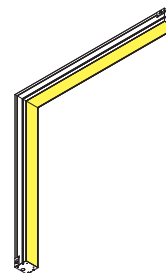| **MOUNTING CEILING**	**MOUNTING WALL**	**FINISH**	**CONTROLS**	**OPTIONS**
TG9 - tegular 9/16" **TG15** - tegular 15/16" **TB9** - t-bar 9/16" **TB15** - t-bar 15/16" **ST** - screw slot t-bar **DTR** - drywall trim **DTL** - drywall trimless **DMF** - drywall mud flange **OHC** - other ceiling (specify) **NA** - not applicable	**DTR** - drywall trim **DTL** - drywall trimless **DMF** - drywall mud flange **OTW** - other wall **NA** - not applicable	**W** - matte white **CF#** - custom finish specify RAL#	<u>WIRELESS</u> **EWC** - EnOcean Wireless Controller **LMC** - Lutron Motion Controller **LDC** - Daylight Controller	**FU** - fuse **FWC** - flexible whip cable (6' std) **CP** - Chicago Plenum **CU** - custom

See page 2 for ordering code detailed information

CROSS SECTION

3 3/4"

3 1/32"

VIA3RPAT - recessed

TECHZONE™ & **USG** Compatible

3D VIEW

LEV - leveled corner

INN - inner corner
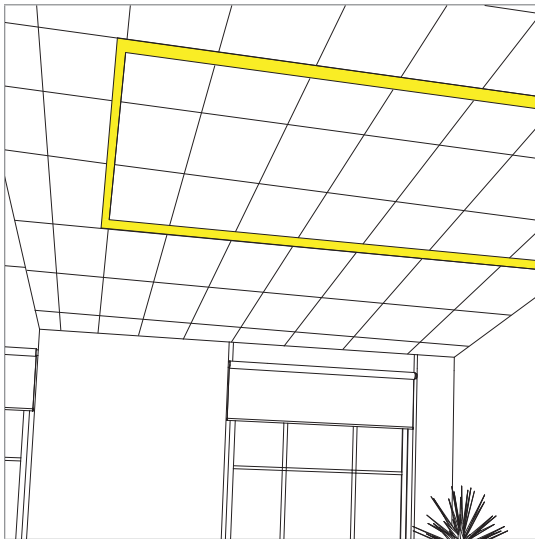
OUT - outer corner

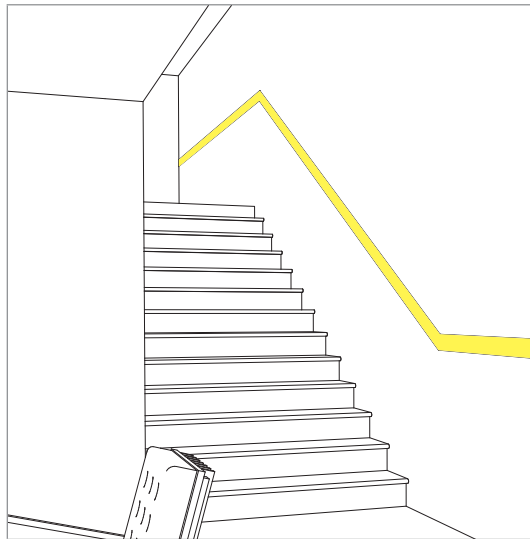ETL LISTED
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INNER CORNER - GRID TO DRYWALL

OUTER CORNER - DRYWALL

LEVELED CORNER - GRID

LEVELED CORNER - DRYWALL

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).

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

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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	2000	104
medium output	4000K	29	3000	103
high output	4000K	39	4000	102

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
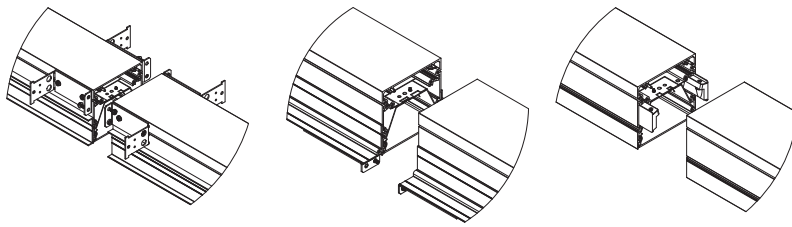
t-bar	Mud flange	Trim & Trimless

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.
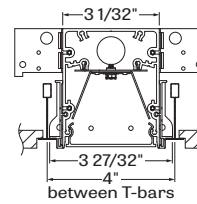
EMERGENCY

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.
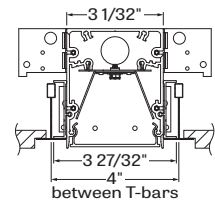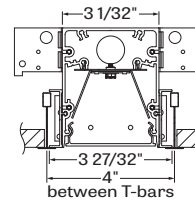
MOUNTING OPTIONS

Mounting Ceiling

Recess mount into exposed or concealed T-Bar or Tegular grid ceiling Via 3 is fully compatible with Armstrong Techzone™ & USG ceilings
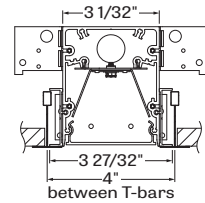
3 1/32" — 3 27/32" — 4" between T-bars	3 1/32" — 3 27/32" — 4" between T-bars
TG9 - tegular 9/16"	**TG15** - tegular 15/16"
3 1/32" — 3 27/32" — 4" between T-bars	3 1/32" — 3 27/32" — 4" between T-bars
TB9 - t-bar 9/16"	**TB15** - t-bar 15/16"

3 1/32" — 3 27/32" — 4" between T-bars

ST - screw slot t-bar

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VIA 3 - PATTERNS

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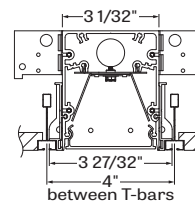
Mounting for drywall ceilings are available with visible trim, mud flange trim or trimless
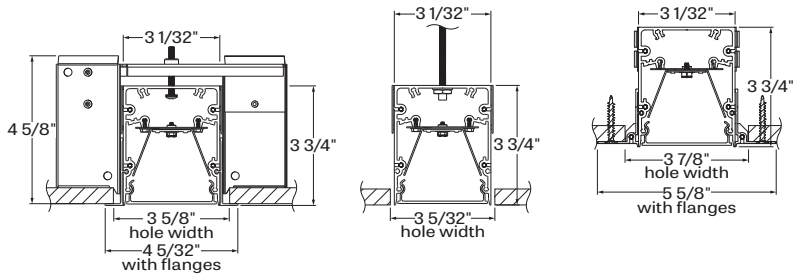
DTR - drywall trim   **DTL** - drywall trimless   **DMF** - drywall mud flange

Mounting Wall

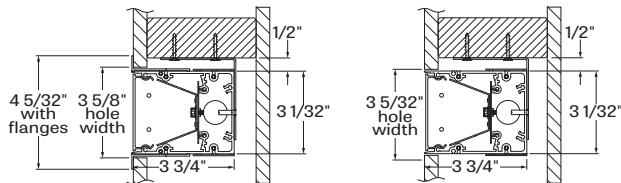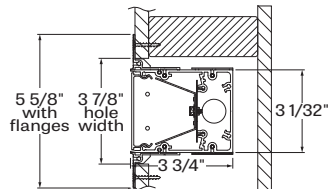Recessed Wall Mounting for drywall is available with visible trim, mud flange, trim or trimless

DTR - drywall trim   **DTL** - drywall trimless

DMF - drywall mud flange

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 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.
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) and die Formed galvanized sheet 18 gauge
Reflectors - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted
Recessed flanges - Extruded Aluminum (0.075" nominal) up to 90% Recycled Content
Mud flange - Extruded Aluminum (0.075" nominal) up to 90% Recycled Content
Slip-through bracket - Die Formed galvanized sheet 18 gauge
End plate - Die formed cold rolled sheet steel 18 gauge thick

CERTIFICATIONS
ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.
Chicago plenum - City of Chicago Approved (CCEA)
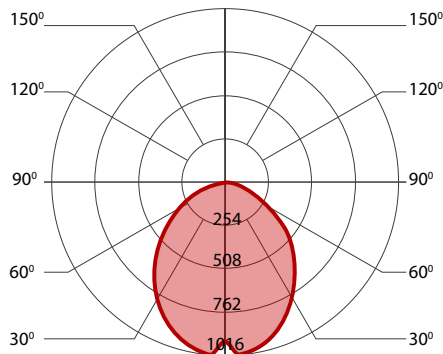**IC rated** - suitable for direct contact with insulation.

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.

File Name: VIA3.PAT.RECESSED.SPEC   Page: 4 / 5   November 27, 2015

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LumenWerx ULC. reserves the right to change or modify product specifications without notification

500 LUMEN AT 80CRI - LOW OUTPUT

PERFORMANCE PER 4'

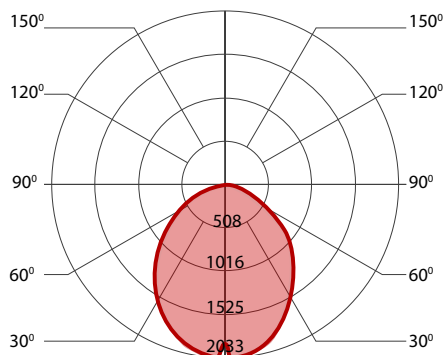| LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	20	2000	98
low output	3500K	20	2000	101
low output	4000K	19	2000	104

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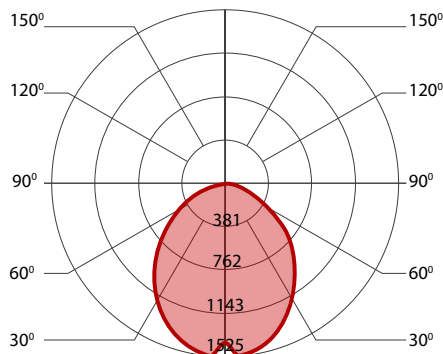
PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	31	3000	97
medium output	3500K	30	3000	100
medium output	4000K	29	3000	103

1000 LUMEN AT 80CRI - HIGH OUTPUT

PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	3000K	41	4000	96
high output	3500K	40	4000	99
high output	4000K	39	4000	102

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