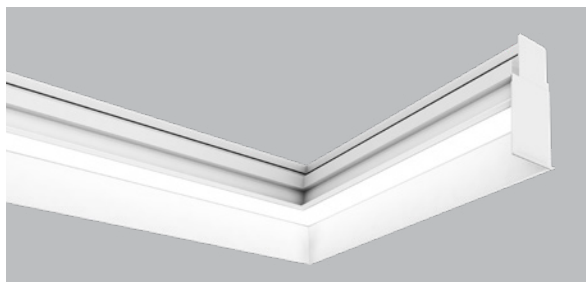# VIA 2 PERIMETER

PATTERN RECESSED
STATIC WHITE

LUMENWERX

Project: _____

_____

Type: _____

V2PERDPAT - Via 2 Perimeter Deep Pattern

Via 2 Perimeter creates a continuously illuminated "slot" at the wall/ceiling intersection. Lighted corners with an adjustable end sleeves are available. Via Perimeter installs in grid or drywall ceilings in a choice of three arrangements: level, shallow 1", and deep 3 ¼".

5 YEAR WARRANTY

Up to 103 lm/W performance

Order Guide

IC RATED

LUMINAIRE ID	OPTICS	LIGHT SOURCE [1]	CRI	LUMEN PACKAGE	COLOR TEMP.	PATTERN LENGTH
	HLO	**SW**				
V2PERLPAT - Via 2 Perimeter Level Pattern **V2PERSPAT** - Via 2 Perimeter Shallow Pattern **V2PERDPAT** - Via 2 Perimeter Deep Pattern	**HLO** - High-Efficiency Lambertian Optic	**SW** - Static white [1] Chromawerx Sola and Duo also available. Consult factory.	**80** - 80CRI **90** - 90CRI	**350** - Min. low output 350lm/ft **500** - Medium output 500lm/ft **750** - Max. high output 750lm/ft **####** - Other required lm/ft	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	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'

CORNER TYPE	CORNER DEGREE	VOLTAGE	DRIVER [3]	ELECTRICAL	MOUNTING	FINISH
LEVO - Leveled outside corner **LEVI** - Leveled inside corner	**90(#)** - 90 degrees, specify number of corners (#) **#(#)** - Other degrees, specify the angle degree #, followed by the number of corners (#)	**120** - 120V **277** - 277V **UNV** - 120V-277V **347** [2] - 347V [2] Only available with D1 driver option.	**D1** - 1% 0-10V **DA** [4] - DALI **LTEA2W** - Lutron 1% - 2 wire FP 120V **LDE1** [4] - Lutron Hi-lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V [3] PoE (Power-over-Ethernet) compatible. Consult factory for details. [4] On-site commissioning is required.	**1** - 1 circuit **+#EB** [5] - Emergency battery (min 4' fixture for Lutron) **+#EM** - Emergency light circuit **+#NL** - Night light circuit **+GTD** [5] - Generator transfer device [5] Not available with 347V.	**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	**W** - Matte white **CF#** - Custom finish, specify RAL#

| CONTROLS	OPTIONS
STANDALONE CONTROLS [6] [7] **OMS** - Onboard Occupancy **ODS** - Onboard Daylight **OCS** - Onboard Occupancy & Daylight **CONNECTED CONTROLS** **CCS()** - **LU**-Lutron, **EN**-Enlighted, **OS**-Osram To specify see information on page 5. [6] Not available with shallow or deep fixtures. [7] Available with the D1 driver, and 1 circuit options only.	**NEF** - No end flanges (for wall-to-wall installations) **FU120** - Fuse 120V **FU277** - Fuse 277V **FWC** - Flexible whip cable (6' std) **CP** - Chicago Plenum **NA** - None

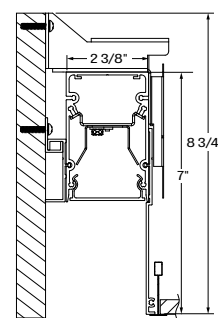| ADJUSTABLE SLEEVE |
|---|
| **TES** - Optional adjustable end sleeve (for a minimum 5FT fixture length) **#TMS** - Optional adjustable mid sleeve (for a minimum 5FT fixture length, maximum 1 sleeve per section) |

IMPORTANT: see page 6 when ordering a sleeve, TES.

Section View
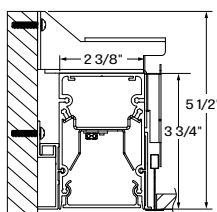
V2PERL - Via 2 Perimeter Level
2 3/8"
5 1/2"
3 3/4"
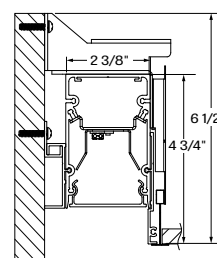
V2PERS - Via 2 Perimeter Shallow
2 3/8"
6 1/2"
4 3/4"

V2PERD - Via 2 Perimeter Deep
2 3/8"
8 3/4"
7"

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VIA 2 PERIMETER

LUMENWERX

PATTERN RECESSED
STATIC WHITE

PATTERN - LEVELED CORNER WITH END SLEEVE
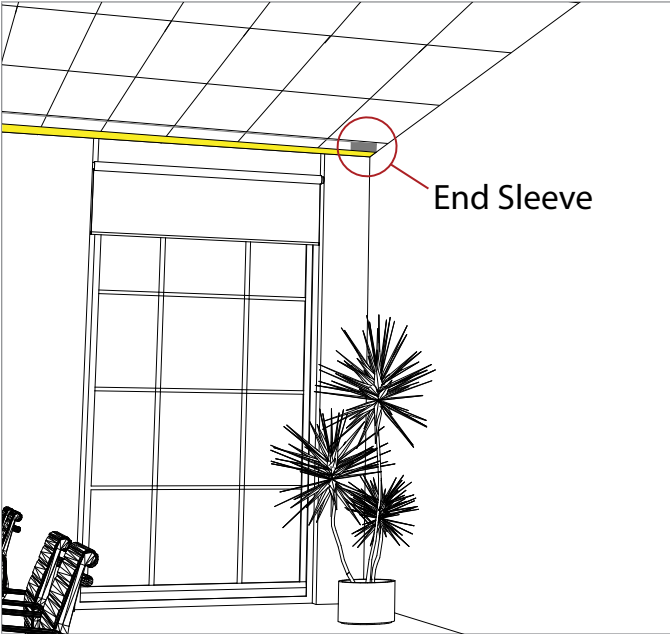
End Sleeve

PATTERN - LEVELED CORNER WITH MID SLEEVE
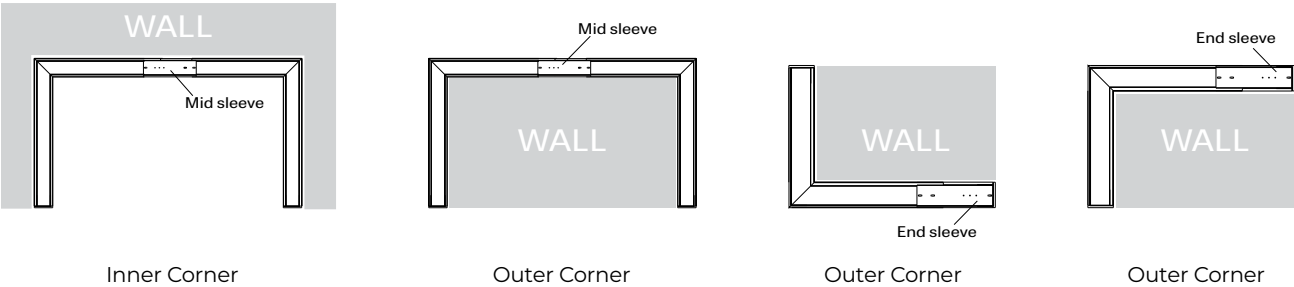

Mid Sleeve
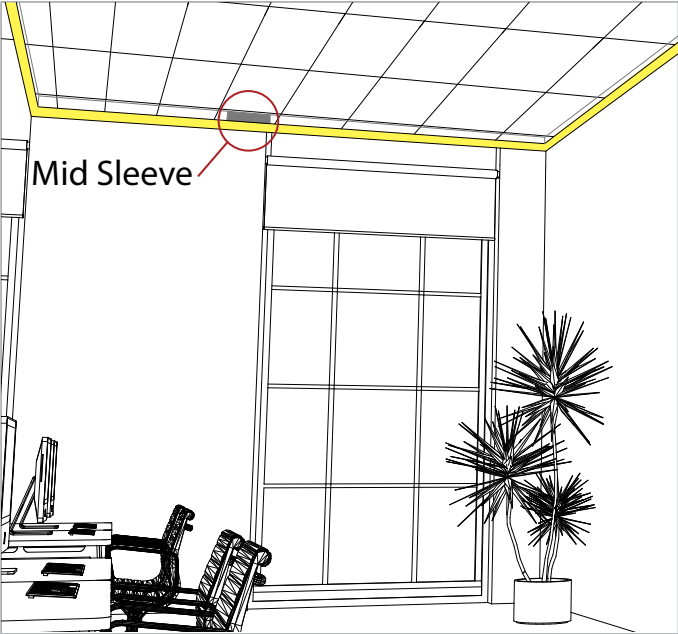
HOW TO SPECIFY A PATTERN?

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. Please mark clearly on the drawing the location of the wall.

(2) Under PATTERN LENGTH, enter the overall length of your pattern - either in feet or inches.

(3) Under CORNER TYPE, please enter LEVO for leveled outside corner or LEVI for leveled inside corner.

(4) Under CORNER DEGREE, please enter the angle in degrees of each corner required to complete your pattern, followed by the number of corners.

(5) Under ADJUSTABLE SLEEVE, please enter the quantity and type of sleeve if applicable.

PATTERN LENGTH	CORNER TYPE	CORNER DEGREE	ADJUSTABLE SLEEVE
#FT - nominal length in feet **#IN** - length in inches Continuous Run - for luminaires over 12'	**LEVO** - leveled outside corner **LEVI** - leveled inside corner	**90(#)** - 90 degrees, specify number of corners (#) **#(#)** - Other degrees, specify the angle degree #, followed by the number of corners (#)	**TES** - optional adjustable end sleeve (for a minimum 5FT fixture length) **#TMS** - optional adjustable mid sleeve (for a minimum 5FT fixture length, maximum 1 sleeve per section)

MID SLEEVE AND END SLEEVE APPLICATION

WALL

Mid sleeve

Inner Corner

Mid sleeve

WALL

Outer Corner

WALL

End sleeve

Outer Corner

End sleeve

WALL

Outer Corner

cETLus LISTED
Intertek

PoE Power over Ethernet

VIA 2 PERIMETER

PATTERN RECESSED
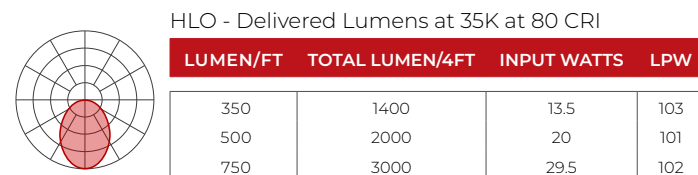## STATIC WHITE

LUMENWERX

Technical Specifications

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.
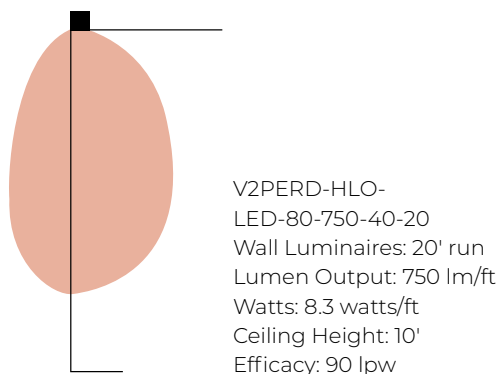
LIGHT SOURCE - LED

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 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.

HLO - Delivered Lumens at 35K at 80 CRI

LUMEN/FT	TOTAL LUMEN/4FT	INPUT WATTS	LPW
350	1400	13.5	103
500	2000	20	101
750	3000	29.5	102

LIGHT DISTRIBUTION

V2PERD-HLO-LED-80-750-40-20
Wall Luminaires: 20' run
Lumen Output: 750 lm/ft
Watts: 8.3 watts/ft
Ceiling Height: 10'
Efficacy: 90 lpw

Foot Candles on 20' wide wall, 10' ceiling

156.9	154.3	162.4	152.9	153.0	152.9	152.9	163.0	154.4	157.5
14.8	14.1	13.1	12.7	12.6	12.6	12.7	13.1	14.2	15.8
8.6	8.0	7.2	6.9	6.8	6.8	6.8	7.2	8.1	8.7
7.0	6.5	6.0	5.8	5.8	5.8	5.9	6.1	6.5	7.0
6.2	5.9	5.5	5.6	5.9	5.9	5.7	5.5	5.9	6.4

LUMINAIRE 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

Drywall joining   Grid joining
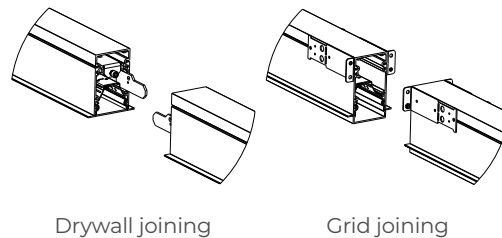
ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming 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 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

EMERGENCY

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 10W (25°C) emergency lighting output and recharge time of 24 hours.
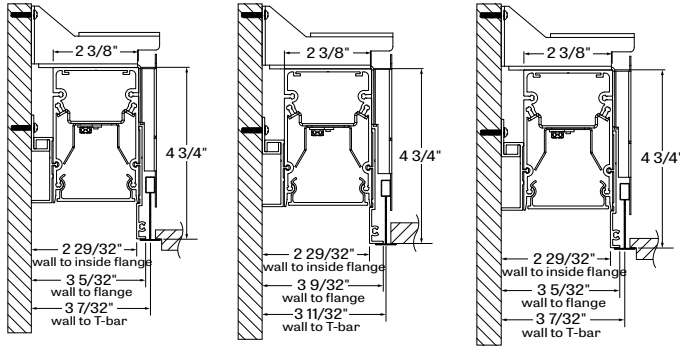
ETL LISTED
Intertek

PoE

VIA 2 PERIMETER

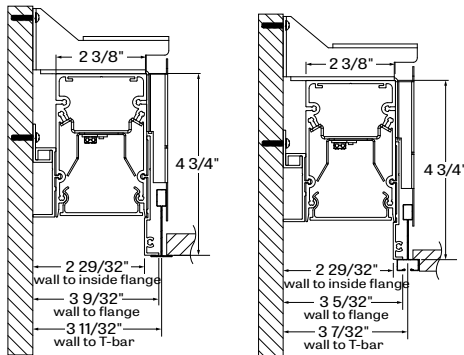## PATTERN RECESSED
STATIC WHITE

MOUNTING OPTIONS

Recess mount into exposed or concealed T-Bar or Tegular grid ceiling.

TG9 - tegular 9/16"
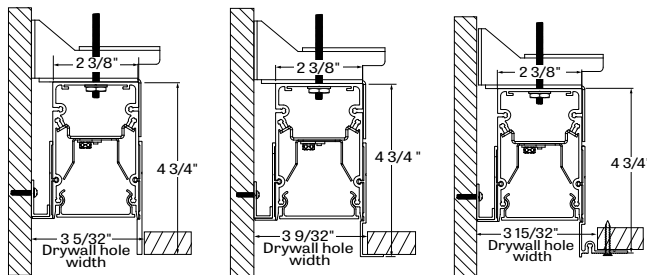

TG15 - tegular 15/16"

TB9 - t-bar 9/16"

TB15 - t-bar 15/16"

ST - screw slot t-bar

Mounting for drywall ceilings are available with visible trim, mud flange, trim or trimless.

DTL - drywall trimless

DTR - drywall trim

DMF - drywall mud flange

FINISH

Interior - 95%, reflective matte powder coated white paint
Exterior - matte white powder coating. Custom finishes are also available.

CONTROLS

Lumenwerx offers several options for integrating occupancy and daylight harvesting controls in our luminaires.

STANDALONE CONTROLS

An integrated standalone sensor controls the luminaire in which it is installed. Depending on the length, more than one sensor may be necessary and may control the entire luminaire, or just a section of it. These controls operate independently. Unless otherwise agreed, location and functionality of the sensor within the luminaire are selected by Lumenwerx.
Three types are available:

OMS: An integral Passive InfraRed (PIR) sensor turns luminaires on and off automatically with field-adjustable time out period. No wall control is used. Coverage pattern for large motion has a 12' diameter with the sensor mounted 8' above the floor; for small motion, the pattern has an 8' diameter. Typically, one sensor is required for every 10' of a continuous luminaire run.

ODS: An integral, daylight harvesting sensor with closed-loop operation dims the luminaire in which it is installed in order to compensate for available daylight. The sensor measures the combination of daylight and luminaire light reflected from horizontal surfaces below the luminaire. Initial onsite calibration is required via the use of provided remote control.

OCS: Both an occupancy and a daylight sensor are installed in the luminaire.

ETL LISTED Intertek

PoE

VIA 2 PERIMETER

PATTERN RECESSED
STATIC WHITE

CONNECTED CONTROLS

With Connected Controls, sensors or nodes installed in the luminaire form part of a larger control system infrastructure from manufacturers such as: Lutron*, Enlighted, Osram, and others. These connected controls allow for a scalable system providing features like occupancy and daylight control, manual control, scheduling and configuration of various zones and scenes. Energy reporting and system monitoring are also possible. Specific capabilities depend on the control system being used. Lumenwerx installs the components (sensors, nodes, power packs, etc) which may be supplied to us by a third party, or procured directly by Lumenwerx, depending on the control system manufacturer.

Lumenwerx is solely responsible for the installation of specified components; the controls manufacturer is responsible for performance of the control system.

To indicate a Lumenwerx luminaire with Connected Controls, identify the specific onsite control system to be integrated into the luminaires using the ordering code. Due to the diversity of components, you must contact controls@lumenwerx.com to assure complete compatibility with intended control system and to fully specify the luminaire.

Complete control specifications, sensor/node/power pack layout, and narrative for the control system are required for Lumenwerx to create shop drawings and submittals.

* Lumenwerx offers a Lutron Vive-Enabled fixture option using either the DFCSJ-OEM-OCC (OCS Option) or DFCSJ-OEM-RF (wireless only, no sensor) Integral Fixture Modules and a DALI or EcoSystem LED driver based on customer dimming requirements.

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

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 gormed 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

End plate - Die formed cold rolled sheet steel 18 gauge thick

MAINTENANCE

LED boards are housed in a removable cartridge for easy replacement. Driver is accessible from below.

WEIGHT

Via 2 Perimeter 4ft - 11.12lbs - 5.05kg
Via 2 Perimeter 8ft - 22.25lbs - 10.1kg
Via 2 Perimeter 12ft - 33.48lbs - 15.2kg

CERTIFICATIONS

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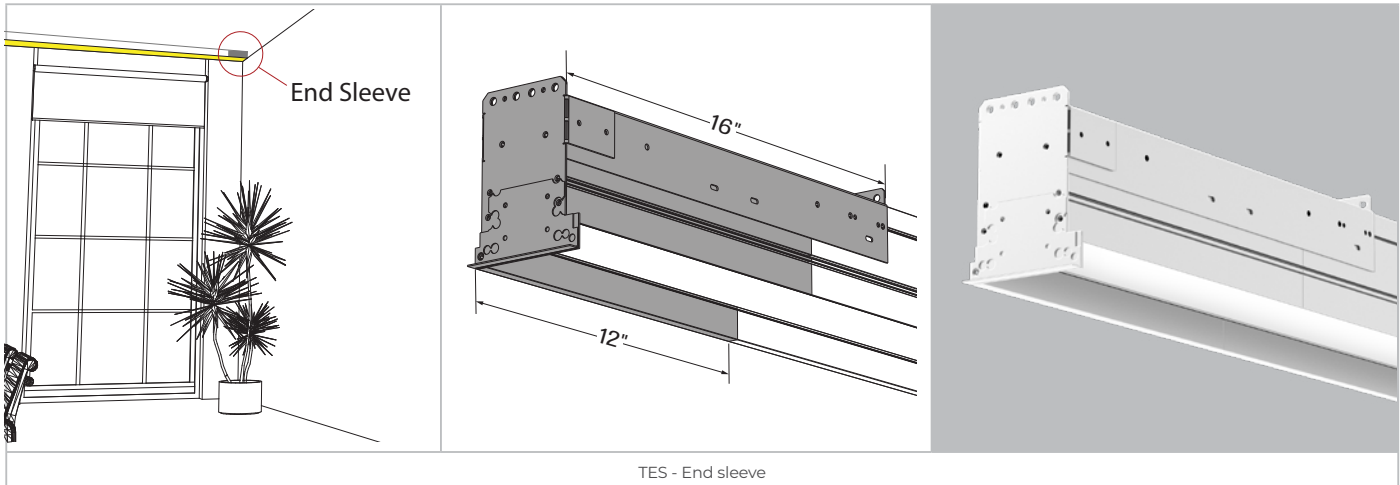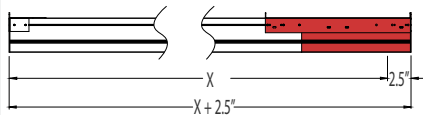
VIA 2 PERIMETER

PATTERN RECESSED
STATIC WHITE

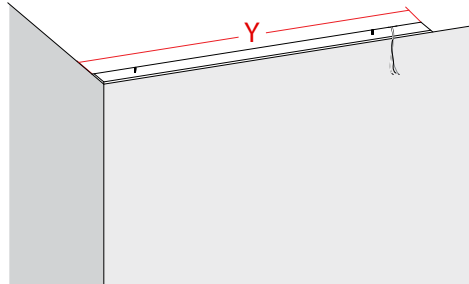**LUMENWERX**

ADJUSTABLE SLEEVE INSTALLATION

Adjustable sleeve is designed to provide on-site luminaire adjustability of +2.5" to -4.5". A sleeve accommodates an easy installation and maintenance. Available for fixtures over 5ft long. Please read the instruction below before you submit your order.
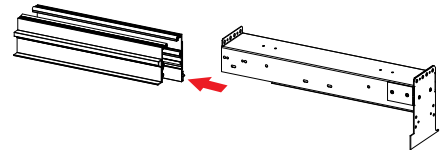
End Sleeve

16"

12"

TES - End sleeve

X = fixture measure provided by client

X+2.5" = measurement built and supplied

X

2.5"

X + 2.5"

Y

STEP 1 - ACTUAL SIZE PRODUCT

STEP 2 - MEASURE THE OPENING ON SITE

STEP 3 - REMOVE EXTRUSIONS FROM SLEEVE BASE

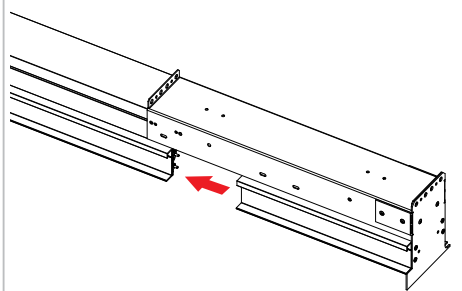(X+2.5) - Y = length to cut the sleeve's extrusions

cut max 7"

cut max 7"

DANGER! DO NOT CUT ON THIS END

STEP 4 - CUT THE EXTRUSIONS

STEP 5 - PUT EXTRUSIONS BACK ON SLEEVE BASE

STEP 6 - RECONNECT SLEEVE BASE TO FIXTURE

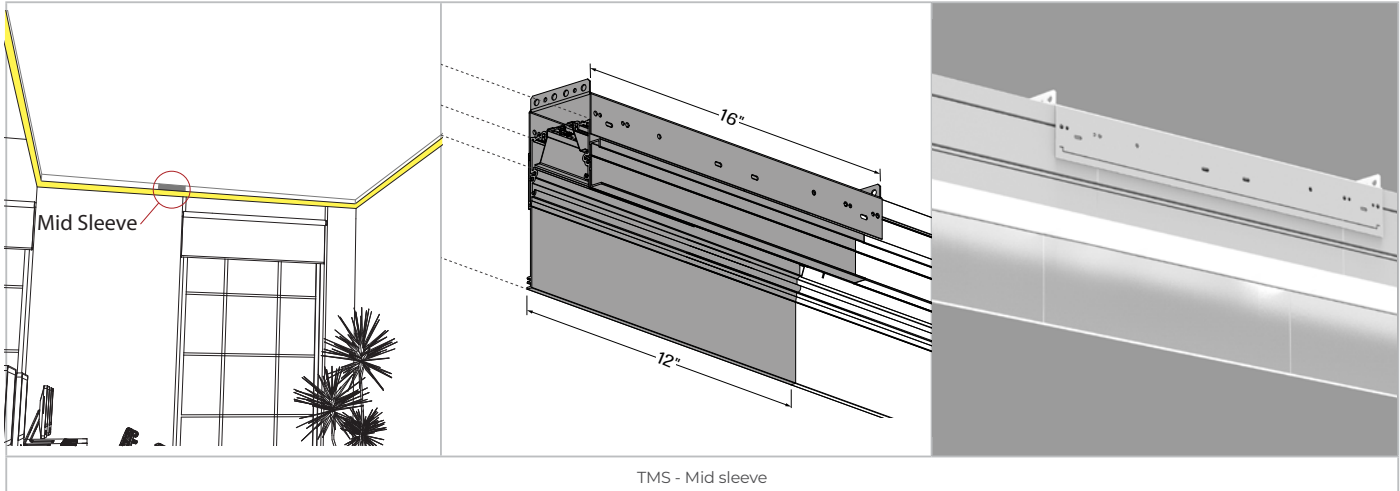FOR MORE DETAILS, SEE OUR WEBSITE FOR INSTALLATION INSTRUCTIONS BY CEILING AND MOUNTING TYPE

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
T (514) 225-4304 F (514) 931 -4862
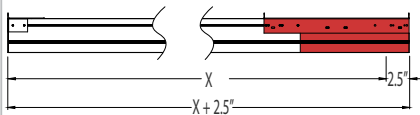www.lumenwerx.com
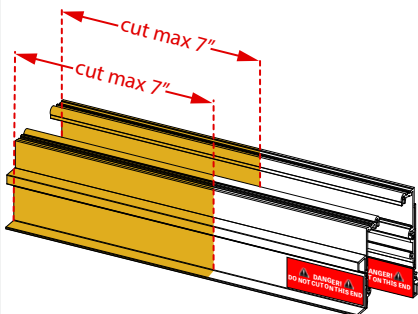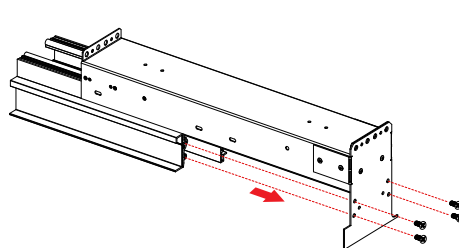
VIA 2 PERIMETER

PATTERN RECESSED
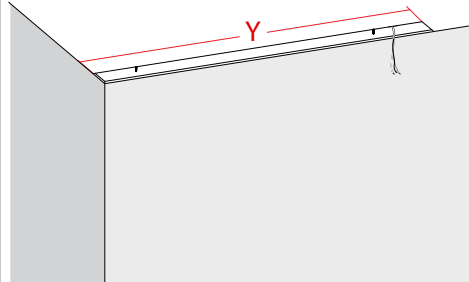## STATIC WHITE

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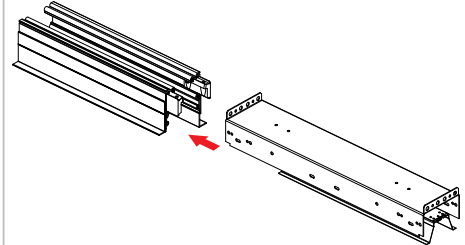

Mid Sleeve

16"

12"

TMS - Mid sleeve

X = fixture measure provided by client

X+2.5" = measurement built and supplied

X

2.5"

X + 2.5"

STEP 1 - ACTUAL SIZE PRODUCT

Y

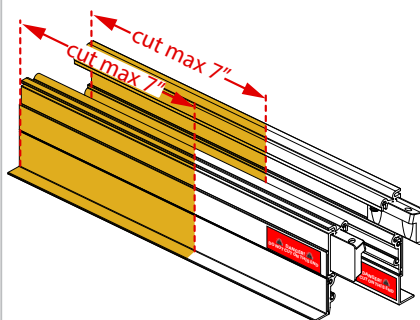**STEP 2** - MEASURE THE OPENING ON SITE

STEP 3 - REMOVE EXTRUSIONS FROM SLEEVE BASE

(X+2.5) - Y = length to cut the sleeve's extrusions

cut max 7"

cut max 7"

STEP 4 - CUT THE EXTRUSIONS

STEP 5 - PUT EXTRUSIONS BACK ON SLEEVE BASE

STEP 6 - RECONNECT SLEEVE BASE TO FIXTURE

FOR MORE DETAILS, SEE OUR WEBSITE FOR INSTALLATION INSTRUCTIONS BY CEILING AND MOUNTING TYPE

ETL LISTED c us
Intertek

PoE Power over Ethernet