

VIA 2 PERIMETER MRI

RECESSED

STATIC WHITE



Project: _____

Type: _____



Via 2 Perimeter Deep

DESCRIPTION

Via Perimeter MRI fixtures are designed specifically for MRI suites in healthcare applications and constructed with non-ferrous materials. With remote drivers, they create a continuously illuminated "slot" at the wall/ceiling intersection. Lighted corners with 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 3/4". An additional antimicrobial finish option is available.



IC RATED

SENSORS
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Order Guide

Up to 103 lm/W performance

LUMINAIRE ID	OPTIC	LIGHT SOURCE ¹	CRI	LUMEN PACKAGE	COLOR TEMP.
	HLO	SW			
V2PERMRIL - Via 2 Perimeter MRI Level V2PERMRIS - Via 2 Perimeter MRI Shallow V2PERMRID - Via 2 Perimeter MRI Deep	HLO - High-Efficiency Lambertian Optic	SW - Static white ¹ Chromawerx SOLA, DUO and QUADRO also available. Consult factory.	80CRI - 80+ CRI 90CRI - 90+ CRI	350LMF - Low output 350 lm/ft 500LMF - Medium output 500 lm/ft 750LMF - High output 750 lm/ft	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K

LUMINAIRE LENGTH	VOLTAGE	REMOTE DRIVER ^{3,4}	ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{10,11}
#FT#IN - Specify nominal length (#) in 1' and/or 1" increments Standard nominal lengths: Single units: 2' to 12' Continuous runs: lengths over 12'	120V - 120V 277V - 277V UNV - 120V-277V 347V ² - 347V ² Only available with RD1 driver.	RD1 ⁵ - 1% 0-10V RELV ⁵ - ELV 120V RTRI ⁵ - TRIAC 120V RDA ⁶ - DALI RLDE1 ⁶ - Lutron Hi-lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V ³ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁴ A remote driver box is provided. ⁵ Available with 120V only. ⁶ On-site commissioning is required.	1C - 1 circuit #MC ⁷ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{8,9} - Generator transfer device fixture ⁷ Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. ⁸ Minimum 4' fixture. ⁹ Not available with 347V.	#EC## ¹² - Emergency-powered section #NL## ¹² - Night light section #DL## ¹² - Daylight section #GTD## ^{12,13,14} - Generator transfer device section #EMB ^{14,15} - Emergency battery NA - None ¹⁰ Specify with multi circuit (#MC) electrical option only. ¹¹ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ¹² Specify quantity (#), and section length in inches (##). ¹³ Minimum 4' section. ¹⁴ Not available with 347V. ¹⁵ Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.

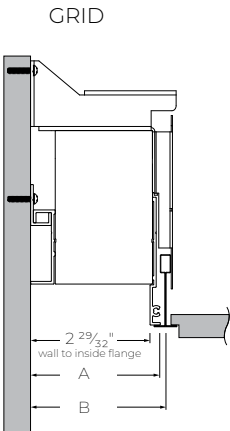
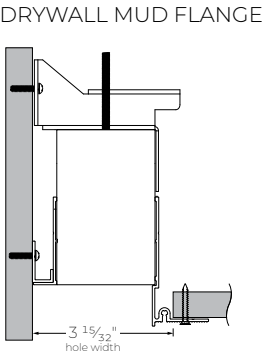
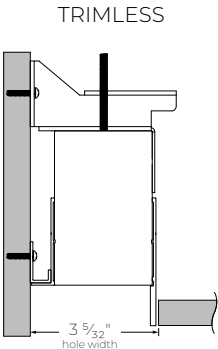
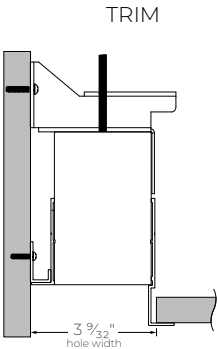
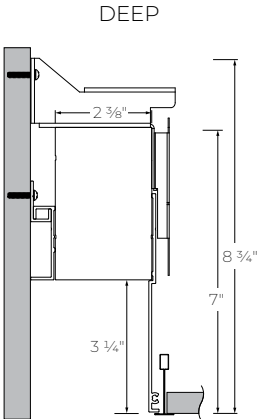
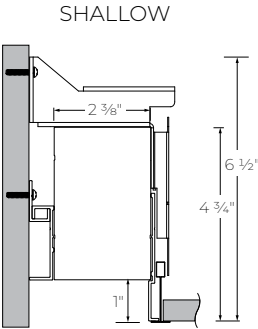
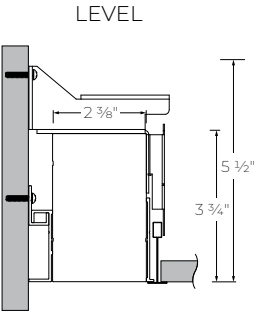
MOUNTING	FINISH	OPTIONS ¹⁶	ADJUSTABLE SLEEVE (optional) ¹⁹
TG9 - Tegal 9/16" TG15 - Tegal 15/16" TB9 - T-bar 9/16" TB15 - T-bar 15/16" ST - Screw slot T-bar DTR - Trim DTL - Trimless DMF - Drywall mud flange	W - Matte white WA - White antimicrobial Silverwerx CF# - Custom finish, specify RAL#	NEF ^{17,18} - No end flanges FEP ¹⁸ - Flush end plates FU120 - Fuse 120V FU277 - Fuse 277V CP - Chicago Plenum NA - None ¹⁶ Separate codes with a "+" if more than one is specified. ¹⁷ For wall-to-wall installations. ¹⁸ See page 3 for details.	TES ²⁰ - Adjustable end sleeve NA - None ¹⁹ See page 4 for details. ²⁰ Minimum 3' fixture for UNV/RD1 drivers. Minimum 4' fixture for all other drivers. Minimum 5' fixture with EMB option.

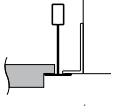
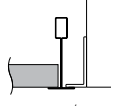
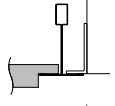
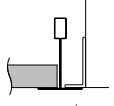
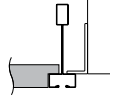
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Dimensions



	TC9	TB9	TG15	TB15	ST
					
	Regular 9/16"	T-bar 9/16"	Regular 15/16"	T-bar 15/16"	Screw slot T-bar
A wall to flange	3 5/32"		3 9/32"		3 5/32"
B wall to T-bar	3 7/32"		3 11/32"		3 7/32"

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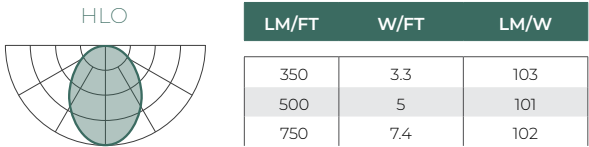
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Photometrics

Values calculated based on a 4' fixture at 3500K.



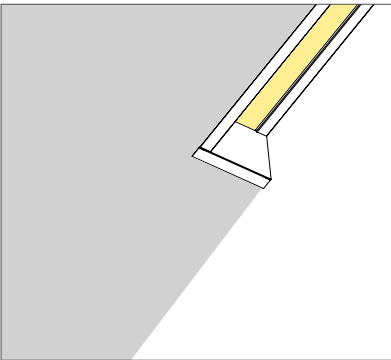
MULTIPLIER TABLE

Use this table to get results for different color temperatures.

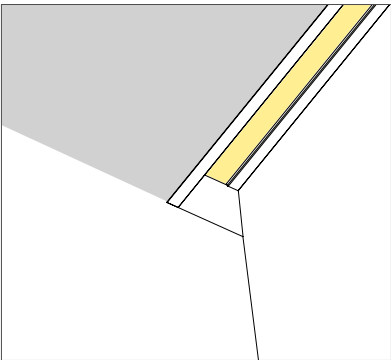
CCT	WATTS 80+ CRI / 90+ CRI	LPW 80+ CRI / 90+ CRI
2700K	1.05	0.95
3000K	1.02	0.98
3500K	1.00	1.00
4000K	1.00	1.00
5000K	0.96	1.04

End Configurations

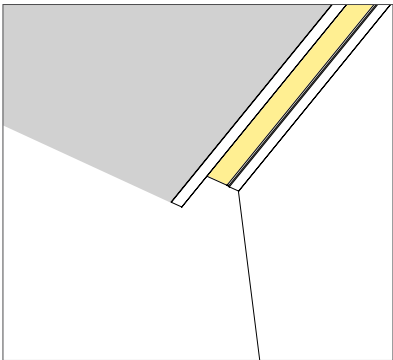
STANDARD



OPTIONS



NEF - No end flanges



FEP - Flush end plates

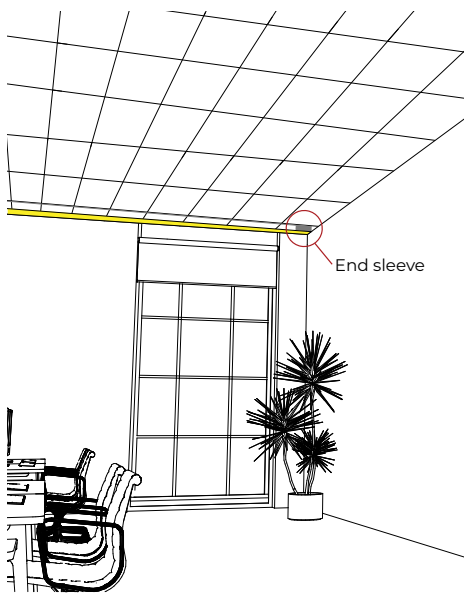
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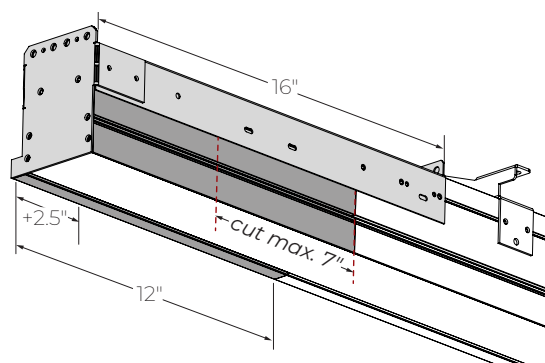
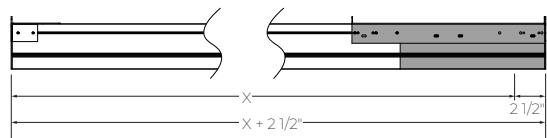


Adjustable end sleeve - TES

Adjustable end sleeve (TES) is designed to provide on-site luminaire adjustability of +2.5" to -4.5". A sleeve accommodates an easy installation and maintenance. Please refer to the [End Sleeve Adjustment Installation Instructions](#) for more details.



X = Fixture measure provided by client.
X + 2.5" = Measurement built and supplied.



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Technical Specifications

OPTIC

High-Efficiency Lambertian Optic (HLO)

The High-Efficiency Lambertian Optic (HLO) uses matte white reflectors to distribute LED output across 0.075" acrylic shielding, providing up to 88% transmission and good obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE

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, 4000K, and 5000K 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.

LUMINAIRE LENGTH

Via 2 Perimeter is made up of standard 2' to 12' sections that may be joined together to create longer continuous run lengths. Exact run lengths must be noted in the product code. The minimum individual section available is 2'.

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.

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) 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% Eco, 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. ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

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), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency-powered sections on a second circuit.

Code: 2MC-2EC96

Example 2: A 24' Direct fixture with one 4' generator transfer device section.

Code: 1MC-1GTD48

Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.

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 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

MOUNTING

Recessed fixtures can be mounted into exposed or concealed T-bar or tegular ceiling, as well as in ceilings with trim, trimless, or mud flange options.

FINISH

Interior: 95% reflective matte powder coated white paint

Exterior: Matte white powder coating.

Optional antimicrobial finish, as well as custom finishes, also available.

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CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content

Interior brackets: Die-formed cold rolled sheet aluminum

Joining system: Die-cast zinc

Reflectors: Flat rolled aluminum sheet or die-formed cold rolled aluminum, 95% reflective matte white painted

Lens: Acrylic

Recessed flanges: Extruded aluminum, up to 90% recycled content

End plate: Die-formed cold rolled sheet aluminum

WEIGHT

4': 11.12 lbs - 5.05 kg

8': 22.25 lbs - 10.1 kg

12': 33.48 lbs - 15.2 kg

CERTIFICATIONS

ETL: Rated for indoor 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) when specified with CP option.

IC rated: Suitable for direct contact with insulation

WARRANTY

Lumenwerx provides a five-year limited warranty on 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.