

VIA 3 SEAL PERIMETER



RECESSED PATTERN

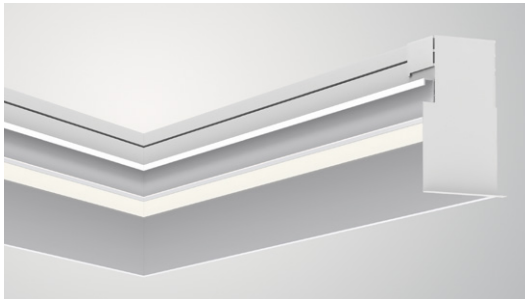
STATIC WHITE, BIOS, FULL SPECTRUM

VIA WEATHER SERIES



Project: _____

Type: _____



DESCRIPTION

Sealed with silicone gaskets, Via Seal fixtures are intended for wet locations. They can act alone as discrete luminaires, or be arranged in continuous lines or patterns. Via 3 Seal Perimeter is suitable for wet locations where temperatures are moderate, and in which spaces are regularly wiped down and frequently in contact with debris and/or moisture. The fixture can be used to create continuous, unbroken lines of light. Via 3 Seal Perimeter is also offered as Wet Listed certified by ETL (Electrical Testing Laboratories), in which case, it is able to withstand smaller particles of debris and light water infiltration. Via 3 Seal Perimeter Wet Listed can also be used to create continuous lines of light, but with subtle breaks at 12' increments.

SENSORS
For latest
information
on sensors,
click [here](#).



Order Guide

IC RATED

Up to 101 lm/W performance

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT ¹	OPTIC	LIGHT SOURCE ⁴	CRI
	D		EPDO		
V3SEALPERPATL - Via 3 Seal Perimeter Pattern Level V3SEALPERPATS - Via 3 Seal Perimeter Pattern Shallow V3SEALPERPATD - Via 3 Seal Perimeter Pattern Deep	D - Direct	WET ² - Wet Suitable (IP44) WETL ^{2,3} - Wet Listed (IP54) ¹ See page 4 for more information. ² Suitable for outdoor environments only when installed under canopy. Not suitable for extreme weather environments. Consult factory for low temperature applications. ³ Can be slightly exposed to water. A minimal shadow line visible at every 12'.	EPDO - Environmentally Protected Direct Optic	SW - Static white FS - Full spectrum static white BIOSST ⁵ - BIOS Biological Static BIOSDY ⁵ - BIOS Biological Dynamic BIOSTU ⁵ - BIOS Biological Tunable ⁴ Chromawerx SOLA and DUO also available. Consult other spec sheet. ⁵ See page 6 for details.	80CRI ⁶ - 80+ CRI 90CRI ^{6,7} - 90+ CRI 95CRI ⁸ - 95+ CRI ⁶ Not available with full spectrum. ⁷ Not available with BIOS. ⁸ Only available with full spectrum.

LUMEN PACKAGE	COLOR TEMP.	PATTERN LENGTH	CORNER TYPE ¹³	VOLTAGE	DRIVER ¹⁵
500LMF - Low output 500 lm/ft 750LMF ⁹ - Medium output 750 lm/ft 1000LMF ^{9,10} - High output 1000 lm/ft ⁹ Not available with BIOS. ¹⁰ Not available with full spectrum.	27K ¹¹ - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K ¹¹ - 5000K ¹¹ Not available with BIOS.	##FT##IN(##X##FT##IN-##X##FT##IN-...) ¹² - ##FT##IN: total nominal length of pattern in feet and/or inches ##X: quantity of each section ##FT##IN: nominal length of each section in feet and/or inches Continuous runs: lengths over 12' ¹² Minimum 2'.	#LEVI2C(A90) - 2-way leveled inside corner #LEVO2C(A90) - 2-way leveled outside corner ¹³ Specify quantity (#) for each required corner type. If more than one option is specified, separate codes with a "+", e.g. 1LEVI2C(A90)+2LEVO2C(A90).	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁴ - 347V ¹⁴ Available with D1 driver only.	D1 - 1% 0-10V DA ¹⁶ - DALI LDE1 ¹⁶ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECODrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ¹⁵ PoE (Power-over-Ethernet) compatible. ¹⁶ On-site commissioning is required. Consult factory for details.

ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{21,22}	POWER FEED	MOUNTING	FINISH	OPTIONS ²⁸
1C - 1 circuit #MC ¹⁷ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{18,19,20} - Generator transfer device fixture ¹⁷ Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. ¹⁸ Minimum 4' fixture. ¹⁹ Not available with 347V. ²⁰ Not available for environments where the ambient temperature falls below 0°C (32°F).	#EC## ²³ - Emergency-powered section #NL## ²³ - Night light section #DL## ²³ - Daylight section #CTD## ^{23,24,25,26} - Generator transfer device section #EMB ^{25,26,27} - Emergency battery NA - None ²¹ Specify with multi circuit (#MC) electrical option only. ²² Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²³ Specify quantity (#), and section length in inches (##). ²⁴ Minimum 4' section. ²⁵ Not available with 347V. ²⁶ Not available for environments where the ambient temperature falls below 0°C (32°F). ²⁷ Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	TF - Top feed EF - End feed	TG9 - Tegular 9/16" TG15 - Tegular 15/16" TB9 - T-bar 9/16" TB15 - T-bar 15/16" ST - Screw slot T-bar MTR - Trim MTL - Trimless DMF - Drywall mud flange	W - Matte white AL - Aluminum WA - White antimicrobial Silverwerx	NEF ²⁹ - No end flanges CRF - Corrosion-resistant finish GGK - Grid gasket NA - None ²⁸ Separate codes with a "+" if more than one is specified. ²⁹ For wall-to-wall installations.

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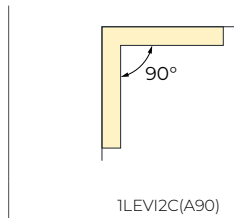
STATIC WHITE, BIOS, FULL SPECTRUM

VIA WEATHER SERIES

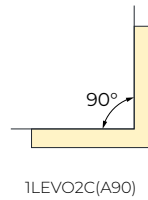
Pattern Layout

CORNER TYPES

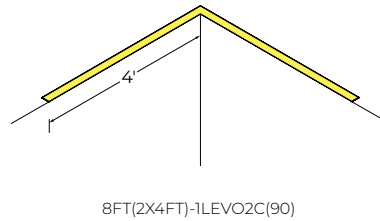
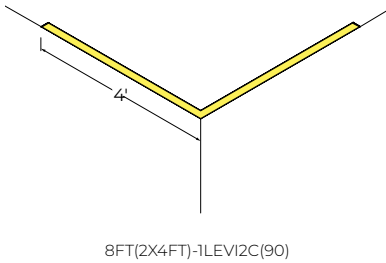
LEVELED INSIDE CORNER



LEVELED OUTSIDE CORNER



EXAMPLES



VIA 3 SEAL PERIMETER



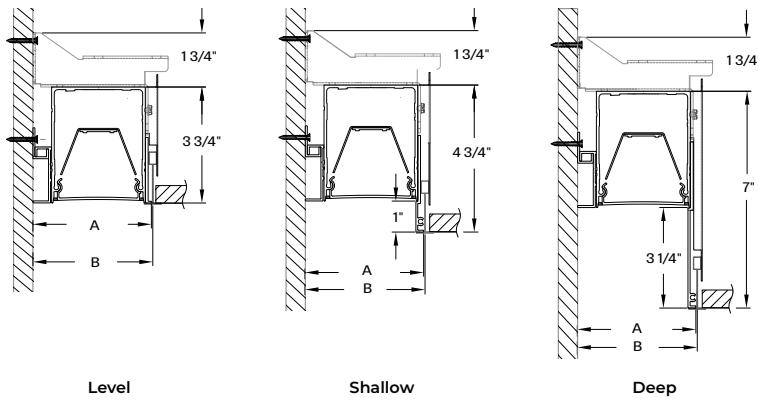
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Dimensions

GRID

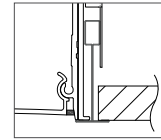


Level

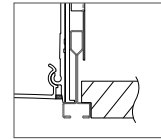
Shallow

Deep

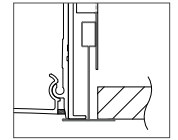
T-BAR	FIXTURE WIDTH	TO CENTER OF T-BAR
	A	B
TB9/TG9	3 27/32"	3 7/8"
TB15/TG15	3 15/16"	4"
ST	3 27/32"	3 7/8"



TB9 - T-bar 9/16
TG9 - Tegular 9/16"

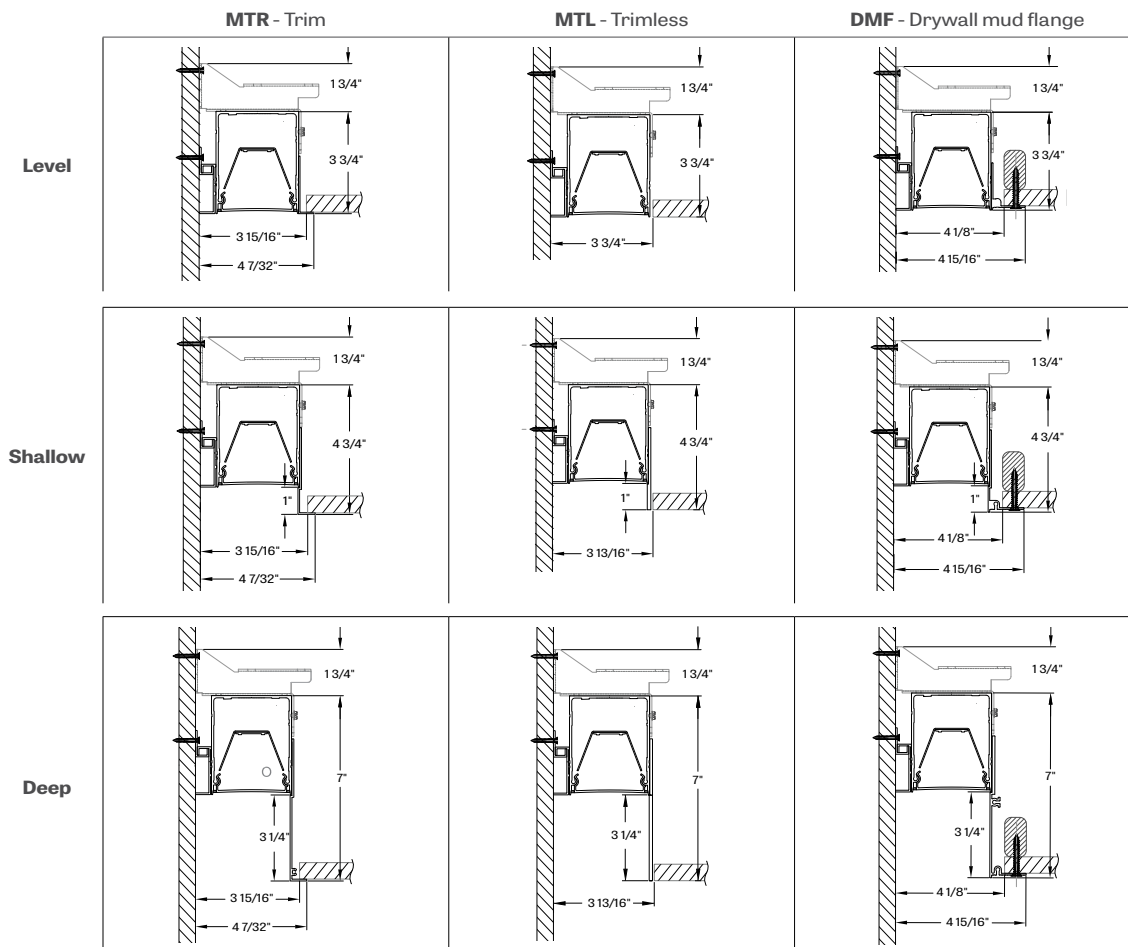


ST - Screw slot
T-bar



TB15 - T-bar 15/16
TG15 - Tegular 15/16"

DRYWALL



TECHZONE™ & USG Compatible with 4" ceiling

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
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VIA3SEALPER-PAT-RECESSED-SPEC-REV3

March 19, 2025



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VIA WEATHER SERIES

Environment Options

The Via Weather Series offers four levels of protective sealing: Level 1, Level 2, Level 3, and Level 4.

Via 3 Seal Perimeter is available with two environment options: Wet Suitable (WET) at Level 1, and Wet Listed (WETL) at Level 2.

For other levels of protective sealing, please see Via Seal spec sheets for Level 1 and Level 2, Via Wet spec sheets for Level 3, and Via Splash spec sheets for Level 4.

FEATURES

Indoor application that requires wipe down

Healthcare application

Outdoor application with restrictions: under canopy only

Outdoor application with restrictions: under canopy, slightly exposed

Continuous line of light over 12'

Water and dust resistant

Water and dust protected

Not suitable for extreme weather applications

Damp listed

Wet listed



Wet Suitable
(IP44)
(WET)



Wet Listed
(IP54)
(WETL)

•	•
•	•
•	•
X	•
•	X
•	•
X	•
•	•
•	X
X	•

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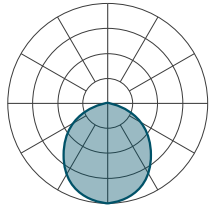
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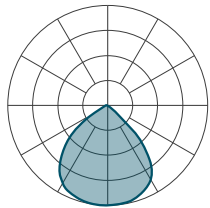
Photometrics

Values calculated based on a 4' fixture at 4000K and 80+ CRI.



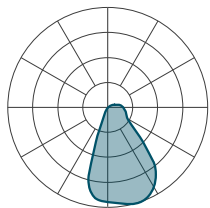
Level

LM/FT	W/FT	LM/W
500	4.9	101
750	7.6	98
1000	10.5	94



Shallow

LM/FT	W/FT	LM/W
500	5.1	97
750	8	93
1000	11	90



Deep

LM/FT	W/FT	LM/W
500	5.3	94
750	8.2	91
1000	11.3	88

MULTIPLIER TABLE

Please follow the multiplier table to ensure correct lumen value. CCT and CRI, will change the lumen output.

Multiplier - CCT/CRI

CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.06	1.27	0.94	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.18	1.00	0.85
5000K	0.95	1.12	1.05	0.89

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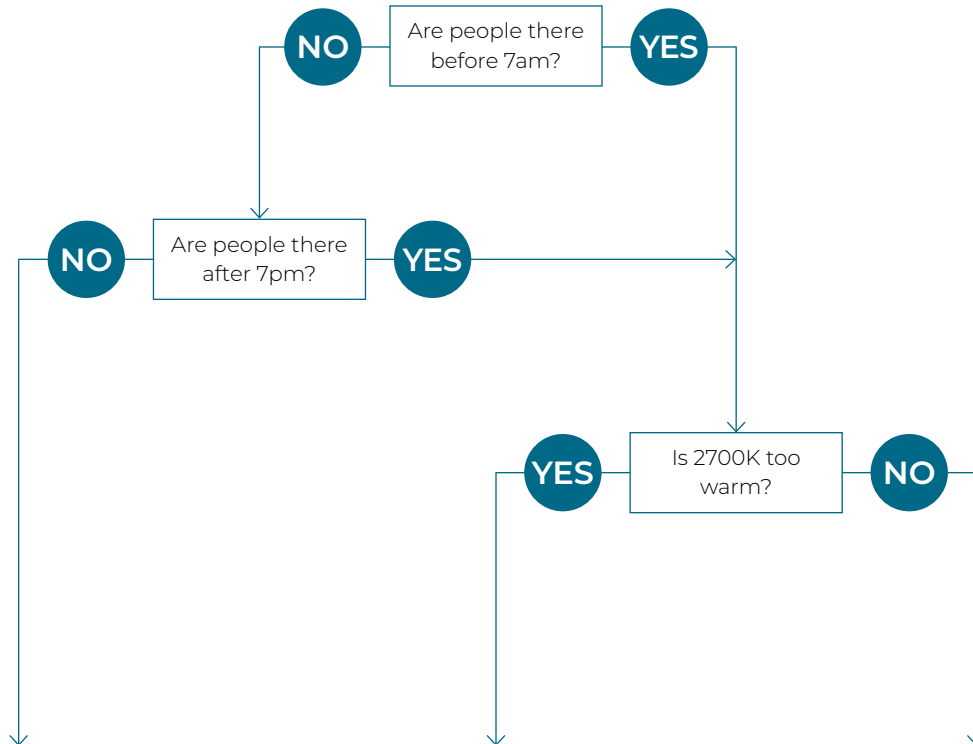
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BIOS

Three BIOS Circadian LED solutions are offered – Biological Static, Biological Dynamic, and Biological Tunable. Use the decision tree below to identify when and where to use BIOS Wellness LED Lighting Solutions.



Biological Static BIOSST	Biological Dynamic BIOSDY	Biological Tunable BIOSTU
No CCT change when dimmed	500K shift when dimmed	Dims to 2700K
Daytime solution	Daytime + evening solution	Daytime + evening solution
Spaces in operation during daytime hours, between 7am and 7pm	Spaces in operation overnight, after 7pm and before 7am, and when CCT color shift in the evening is not preferred	Suitable for spaces in operation overnight, after 7pm and before 7am, and where people do not sleep (CCT color shift in the evening is preferred)
E.g. offices, medical/dental offices	E.g. hospitals	E.g. offices, shiftwork

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Technical Specifications

OPTIC

Environmentally Protected Direct Optic (EPDO)

The Environmentally Protected Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors guide the light through the lens. The EPDO suits moderate climate environments.

LIGHT SOURCE

Static white

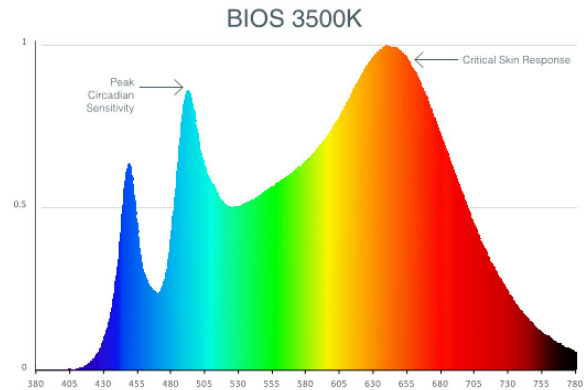
Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K, and 5000K with a minimum 80+ CRI and an option for 90+ CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. 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.

Full spectrum static white

The full spectrum LED option offers improved color particularly in the cyan region that is beneficial in both healthcare and circadian lighting strategies. The cyan region in full spectrum LED is richer at the 480 nm range.

BIOS

BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being. The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



Three BIOS solutions are offered: BIOS Biological Static (BIOSST), BIOS Biological Dynamic (BIOSDY), and BIOS Biological Tunable (BIOSU). See page 6 for details.

WELL BUILDING STANDARD



WELL for Light: The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:

- Feature 54 or L03 when BIOS or full spectrum is selected
- Feature 55 or L04 meets WELL glare category (c-d) (not applicable with 1000 lm/ft)
- Feature 58 or L07 when 90+ CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5% or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.



WELL for Mind: This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

For more information, please contact well@lumenwerx.com

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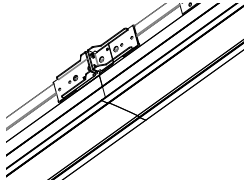
PATTERN LENGTH

All individual sections are joined together onsite using the joiner kits provided. Lumenwerx joiner kits 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

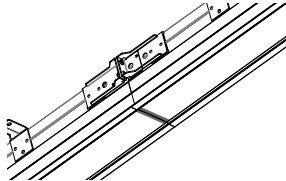
All individual sections are joined together onsite using the ¼"-20 screws and nuts provided. With the Wet Suitable (WET) option, the junction between two adjacent sections creates a continuous line of light without shadows. With the Wet Listed (WETL) option, the junction between two adjacent sections is sealed with a silicone gasket, creating a slight visible break in the line of light every 12'.

Wet Suitable - WET



Continuous line of light

Wet Listed - WETL



Visible break in line of light

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, eidoLED 1% ECOdrive 0-10V, eidoLED 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), 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 light (#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 light 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. Suited for ambient temperatures of 0°C (32°F) to 55°C (131°F).

Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277V) and 0-10V dimming signal. Suited for ambient temperatures of 0°C (32°F) to 60°C (140°F).

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. Via 3 Seal Perimeter is compatible with 4" Armstrong Techzone™ & USG ceilings.

FINISH

Interior: 95%, reflective matte powder coated white paint

Exterior: Powder-coat paint in matte white or aluminum. Optional antimicrobial finish.

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CONSTRUCTION

Housing: Extruded aluminum up to 90% recycled content

Interior brackets: Die-formed cold rolled steel

Joining system (WETL): 16 gauge steel joiners and closed-cell silicone foam joiner gasket

Reflectors: Die-formed cold rolled sheet steel, 95% reflective matte white painted

Recessed flanges: Extruded aluminum up to 90% recycled content

Mud flange: Extruded aluminum up to 90% recycled content

End cap: Die-cast aluminum

End cap gasket: 1/16" closed-cell silicone foam

Mounting bracket: Aluminum bracket with stainless steel PEM studs and sealing washers

Grid gasket (GGK option): 1/16" closed-cell silicone foam, assures a better seal between the fixture and the grid

CERTIFICATIONS

ETL: WET environment option is rated for dry/damp locations. WETL environment option is ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of WETL fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.

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.