

LIGHTSTREAMS

MLS3-WMD SERIES

WALL MOUNT DIRECT

Architectural Linear LED Illuminating System | LIGHTSTREAMS 3

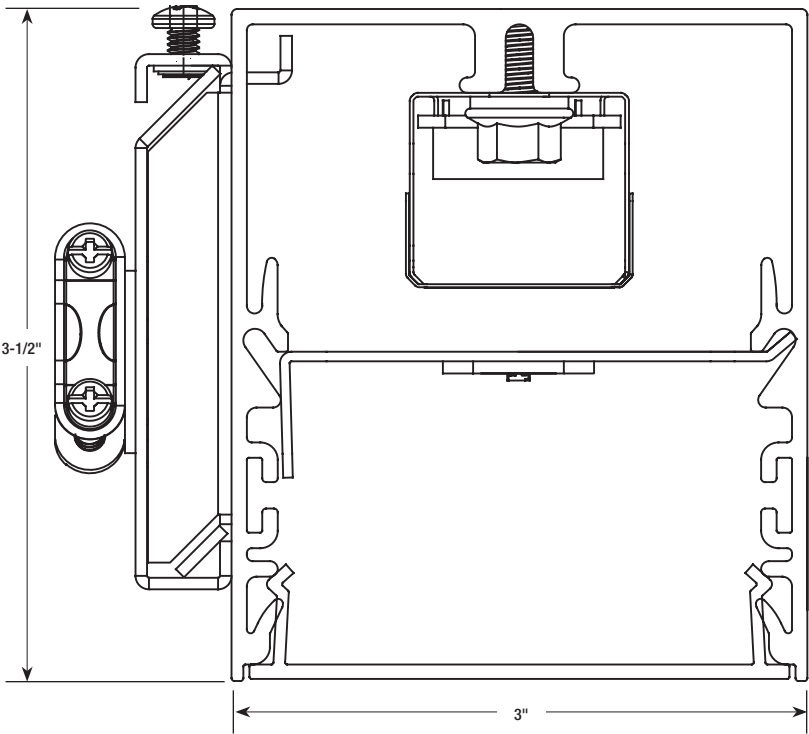


Features

- Wall mounted direct illumination.
- Direct downlighting for wall grazing and general illumination.
- Extruded aluminum housing for perfectly straight lines of light.
- Narrow 3-inch wide profile.
- Linear lengths; 2-ft. and above in increments of one-inch.
- Custom formulated high diffusion extruded acrylic lens.
- Non-glare matte-white polyester powder coating finish.
- Wall mounting system provides a half-inch standoff.
- Cataloged standard or custom set lumens-per-foot performances.
- 80 CRI standard. 90 CRI available.
- Dimming down to 1% on 0-10V controls.
- Fixture lumens per watt ratios up to 101.
- Lighting controls and sensors.
- Standard and custom corners
- American Made.



Cross Section (actual size)



Performance

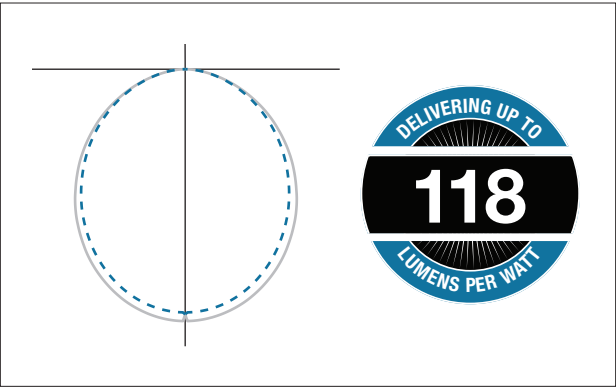
Based on 4Ft. Module, 3500K,
80 CRI, HTA diffuser

Multiplier for other Color Temp (K)

3000K 97% 4000K 102%
3500K 100% 5000K 103%

Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	13.5	118
500	2000	17.2	116
625	2500	22.0	113
825	3300	30.3	108
950	3800	35.8	106
1043	4175	40.0	104

Actual performance may differ by +/- 5% when operating between 120V-277V +/- 10%.
Consult Factory for 90 CRI performances.



fixture type:

job information:

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Ex: MLS3-WMD-144-825-35K-HTA-1%-U-EM12-S5

MLS3		WMD										Options	
Series	Mounting	Module or Row Length	Lumens/ Ft	Color Temp	Diffuser	Driver	Voltage	Standby Modules*	Lighting Controls	Custom Hanging Points	Custom Paint Colors	Misc.	
MLS3 LightStreams 3	WMD Wall Mount Direct	48 48" Length	HTA 400 500 625 825 950 1043	80 CRI 30K 35K 40K 50K Upon Request		1% 0-10V 1% Dimming SR Sensor Ready (Required for Certain Controls, Contact Factory)	U Uni 120V-277V 1 120V 7 277V	EM5 EM7 EM10 EM12 No Option	S1 Philips EasySense S2 Magnum M9 (Dali) S5 Enlighted (C2-D2) 08 Sensor Switch (SFR7) 010 WattStopper (FS355) No Option	As Specified	As Specified	WL UL "Suitable for Wet Locations" labeled.	
		96 96" Length											
		144 144" Length											
		Custom or Row Length. 24" and above in 1" Increments. Ex. in inches: 82, 384, etc.		90 CRI 927K 930K 935K 940K	ASO Acrylic Smooth Opal (Performance is reduced with this diffuser)	LDE1 Lutron Hi-Lume LDE5 Lutron 5-Series As Specified							

*Available in modules of 4-ft. and longer.

Housings

Extruded aluminum profile in a 0.080-inch wall thickness.

Maximum length of each linear component is 12-ft.

14GA steel ends are provided where needed at row termini.

A one-piece 14GA galvanized steel joiner/aligner bracket is provided for each joint between housings. Internal cold-rolled steel components.

Standard or custom mounting points are provided along the housing side.

Housing easily mounts to a unique wall hanging system.

A custom formulated non-glare matte-white polyester powder coating provides an extremely durable and long-lasting finish.

Custom color finishes on request.

Diffusers

Seamless fit diffusers. Flawless and consistent end-to-end fit.

Standard diffuser: extruded from custom formulated high transmission white acrylic material. Allows maximum light transmission while eliminating pixilation and hot spots.

Optional diffuser: extruded from acrylic smooth opal material. Offers a more esthetically white appearance. Note: reduces performance by up to 25%.

Smooth finish on both diffusers compliments the architectural elements.

LED Modules

High performance linear configured LED module boards.

Each board consists of multiple mid-power, high efficacy LEDs in a precise layout eliminating the need for supplemental heat sinking.

The boards produce an even and diffuse light which maximizes optical efficiency.

Compatible with the dimming performance of the LED driver.

Color temperatures available 80 CRI: 3000K, 3500K and 4000K. Upon request: 5000K.

Color temperatures available 90 CRI: 2700K, 3000K, 3500K and 4000K.

LED Drivers

Factory programmable constant current LED power supply.

Multiple standard drive current outputs (factory set by Mercury) are cataloged with their corresponding lumens-per-foot offering. Upon request, custom drive current outputs and lumens-per-foot options are available.

Note: Certain cataloged lumens-per-foot offerings may be provided with a non-programmable constant current LED power supply at Mercury's discretion. Contact factory if critical.

Universal voltage input, 120V-277V, 50HZ-60HZ.

Specification grade dimming down to 1% on 0-10V dimming controls.

Sensor ready (SR) drivers compatible with most lighting controls are optional. Consult factory.

Lutron drivers available: LDE1 and LDE5 series.

Standby Lighting Options

Self-contained module, 7W, 10W or 12W as specified. Battery backup upon loss of power. Available in modules of 4-ft. and longer.

Integral Lighting Controls

Various lighting controls and sensors are optional. Consult factory.

Corners

Standard 90 degree corners for inside or outside turns.

Custom angled corners.

Installations

Designed to be wall mounted with the half-inch off-set wall mounting system.

Labor saving feature allows installation without disassembling of luminaire.

May be directly mounted to wall.

Lengths of 12-ft. and less to use one housing with two ends pre-installed.

Lengths over 12-ft. will be engineered to job requirements using multiple housings with one end pre-installed at each row end.

Lengths over 12-ft. will include appropriate job required quick-connect plug-thru wire harnesses and housing joiners.

Certificate of Safety Compliance and Listings

Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

Optional: Suitable for wet locations marking is available. Some limitations apply. Contact factory for all details.

Warranty

5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at www.mercltg.com.

Actual performance may differ as a result of end-user environment and application.

Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).

The following exclusions apply: Luminaires with optional standby lighting option, integral lighting controls options, or wireless control options. Consult factory.

LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



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Dimensional Data

