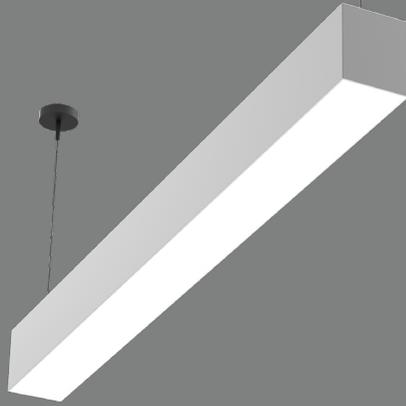


# LIGHTSTREAMS

MLS3-M SERIES ⚡ LIGHTNING PROGRAM

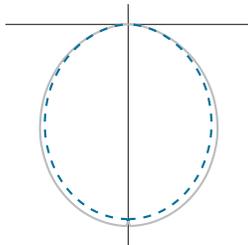
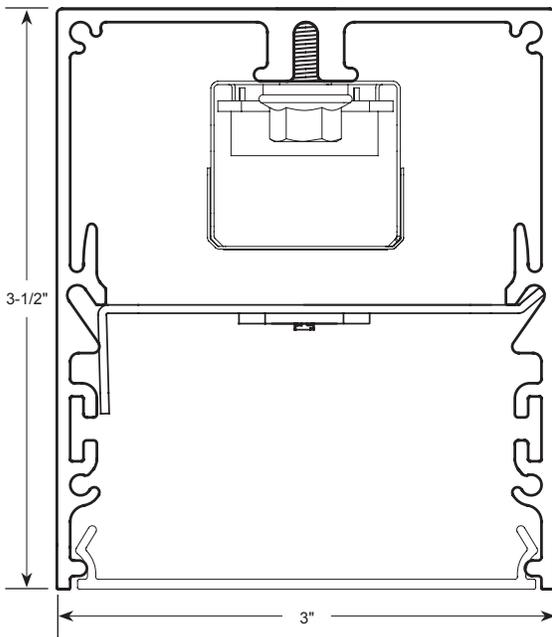
SUSPENDED OR SURFACE MOUNT

## Architectural Linear LED Illuminating System | LIGHTSTREAMS 3



### Features

- 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.
- Standard and custom corners, crosses and T-sections offer the ability to design unlimited patterns, shapes and runs.
- Custom formulated high diffusion extruded acrylic lens.
- Non-glare matte-white polyester powder coating finish.
- Cable or stem mount from ceiling, or direct surface mount.
- Cataloged standard or custom set lumens-per-foot performances.
- 80 CRI standard. 90 CRI available.
- Continuous dimming capability down to 1% on 0-10V controls.
- Fixture lumens per watt ratios up to 121.
- Tunable white feature optional.
- Lighting controls and sensors.
- American Made.
- Lightning Program eligible (ships in 15 days or less): See ordering data for options. ⚡



### Performance - HTA

Based on 4Ft. Module, 3500K, 80 CRI, HTA diffuser- Signify LV6 LED Boards

Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	13.2	121
500	2000	16.5	121
625	2500	20.8	120
825	3300	28.1	117
950	3800	32.7	116
1100	4400	38.5	114

Multiplier for other Color Temp (K)

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



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

### Performance - ASO

Based on 4Ft. Module, 3500K, 80 CRI, ASO diffuser- Signify LV6 LED Boards

Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	16.5	97
500	2000	20.8	96
625	2500	26.6	94
890	3560	39.3	91

Multiplier for other Color Temp (K)

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



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



Fixture Type:

Job Information:

# MLS3-M Series | LIGHTSTREAMS 3

Architectural Linear LED Illuminating System | Suspended or Surface Mount

Ex: MLS3-M-144-825-35K-HTA-1%-U-EM12-S1

Options

Series	Mounting	Module or Row Length	Lumens/Ft	Color Temp	Diffuser	Driver	Voltage	Standby Modules*	Lighting Controls	Custom Hanging Points
MLS3 LightStreams 3 LP-MLS3 Lightning Program	M Suspended Cable Mount	48" Length	400	30K	HTA High Transmission Acrylic	1% 0-10% Dimming	U Uni 120V-277V	EM7 EM10 EM12	S1 Philips EasySense (Bluetooth)	As Specified
		96" Length	500	35K						As Specified
LP-MLS3 Lightning Program	M1 Surface Mount	96" Length	625	40K	ASO Acrylic Smooth Opal (Performance is reduced with this diffuser)	1% DD 0-10% Dimming Dim to Dark	1 120V	No Option	S11 Enlighted Micro (SU5ECL)	As Specified
		144" Length	825	50K Upon Request						As Specified
LP-MLS3 Lightning Program	M2 Suspended Stem Mount	144" Length	950	TW 27K-65K	eL eldoLED Solo 0.1%	SR Sensor Ready (Required for Certain Controls, Contact Factory)	7 277V	X As Specified	S12 Lutron Athena Node (Color-White)	As Specified
		Custom or Row Length. 24" and above in 1" increments. Ex. in inches: 82, 384, etc.	400	927K						As Specified
			500	930K					S13 Lutron Athena Node (Color-Black)	Consult Factory. See page 3
			625	935K					S14 Lutron Athena Sensor (Color-White)	
			890	940K					S15 Lutron Athena Sensor (Color-Black)	
			Custom Lumen Packages.						017 Leviton PIR ZLS05-ILW	MISC.
									No Option	WL UL "Suitable for Wet Locations" labeled.
									No Option	

 All options highlighted in BLUE are eligible for Lightning Program (same quality product, shipped in 15 days or less)

\*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. .060 aluminum 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 hanging points are provided.

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.

**HTA diffuser:** extruded from custom formulated high transmission white acrylic material. Specify when the highest performance levels are required.

**ASO diffuser:** extruded from custom formulated smooth opal acrylic material. Specify when a more esthetically white appearance is desired.

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.

## Tunable White Option

Field tunable range 2700K through 6500K. 80CRI.

## 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.

Continuous dimming capability down to 1%-standard. 0.1% available upon request.

Dim to Dark option available upon request. .

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

Lutron drivers available: LDE1 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 and Patterns

Standard 90-degree corners.

Custom angled corners, crosses and T-sections. Consult factory.

## Installations

Designed to be suspended on cables. Specify M

For direct surface mounting to most ceiling types, specify M1 and consult factory.

For stem mounting specify M2 and consult factory.

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.

All individual modules or multiple module runs to include job required feed wire as specified. Standard or custom hanging points will be provided per job specifications.

**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.

## Lightning Program

Same quality product, shipped in 15 days or less (if drawings are required, 15 days or less starts after drawings are released).

Entire order must qualify for Lightning Program in order to meet freight charges. Please contact our sales team if unsure your order will qualify.

Options highlighted in Blue, 500 linear feet or less, are eligible for quick ship Lightning Program.

Relates to straight runs ONLY.

Other variations not highlighted in blue may be available under Lightning Program. Please consult factory.

Specify LP-MLS3 when placing order if you would like to use Lightning Program.

## 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.mercitg.com](http://www.mercitg.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 standby lighting option, integral lighting controls options, or wireless control options. Consult factory.

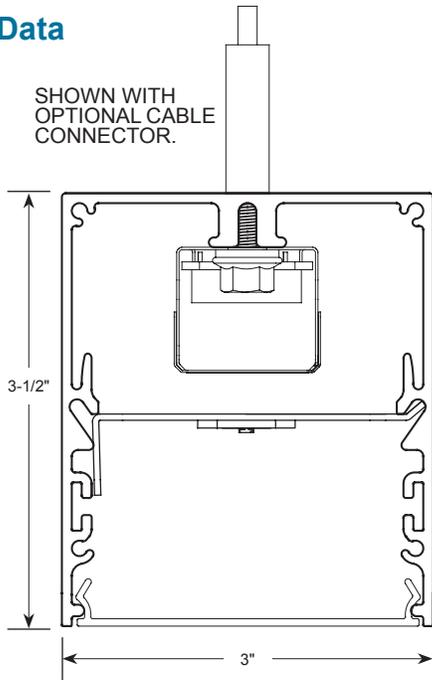
LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



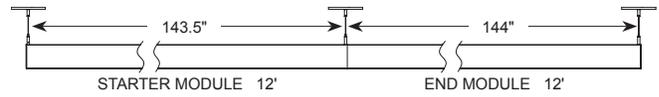
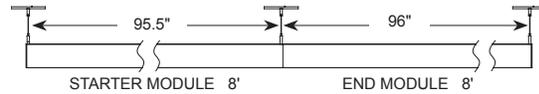
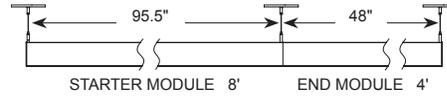
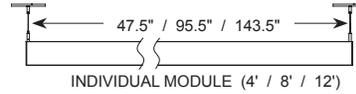
# MLS3-M Series | LIGHTSTREAMS 3

Architectural Linear LED Illuminating System | Suspended or Surface Mount

## Dimensional Data



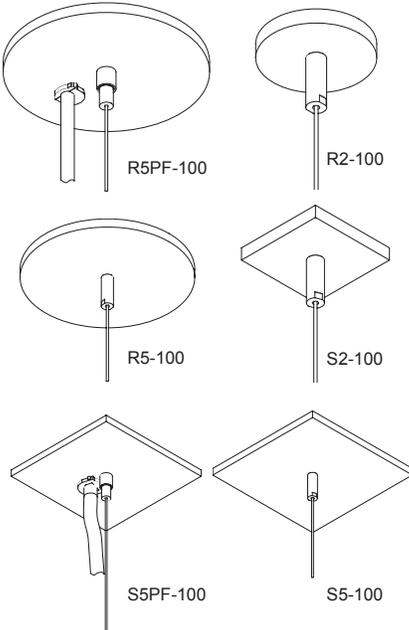
## Mounting Information



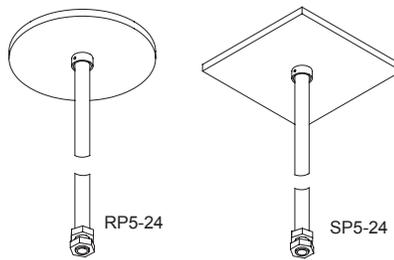
Consult factory for additional row length information

## Hanging Accessories

### CABLE SETS



### STEM SETS



Part #	Description
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
S5-100	Square 5" canopy, Hanging hardware, 100" long 1/16" cable.
S2-100	Square 2" canopy, Hanging hardware, 100" long 1/16" cable.
RP5-24	Round 5" canopy, Hanging hardware, 24" long 1/2" dia. stem.
SP5-24	Square 5" canopy, Hanging hardware, 24" long 1/2" dia. stem.

Other cable and stem lengths available. Consult factory.

## Patterns, Shapes, Runs

