LIGHTSTREAMS

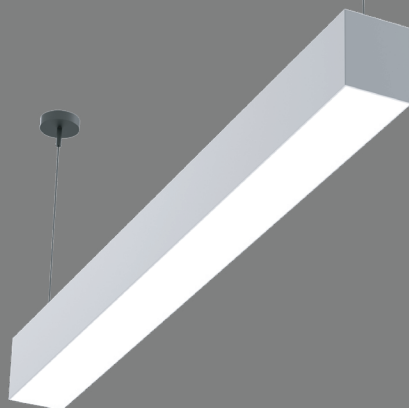## MLS3-M SERIES ⚡ LIGHTNING PROGRAM   SUSPENDED OR SURFACE MOUNT

### 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. ⚡

Made in USA

HTA/ASO (3-1/2" × 3")
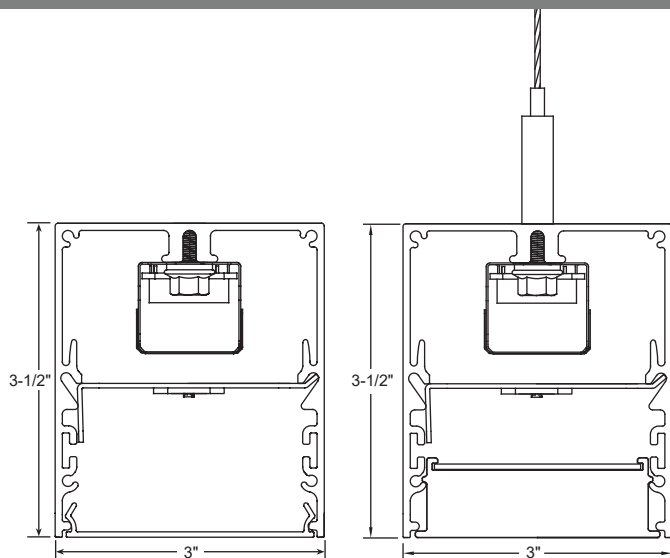
ASO with Louver (3-1/2" × 3")
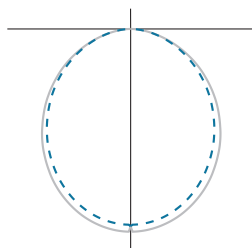
Performance - HTA
Based on 4Ft. Module, 3500K, 80 CRI, HTA diffuser- Signify LV6 LED Boards

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%

DELIVERING UP TO 121 LUMENS PER WATT

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%

DELIVERING UP TO 97 LUMENS PER WATT

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

tunable WHITE 27K 65K

Fixture Type:

Job Information:

MERCURY ARCHITECTURAL LIGHTING

Specifications subject to change, consult factory when critical.

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	**M** Suspended Cable Mount	**48** 48" Length	**HTA** **400 500 625 825 950 1100**	**80 CRI** **30K 35K 40K** **50K** Upon Request	**HTA** High Transmission Acrylic	**1%** 0-10% Dimming	**U** Uni 120V-277V	**EM7 EM10 EM12**	**S1** Philips EasySense (Bluetooth)	As Specified
LP-MLS3 Lightning Program	**M1** Surface Mount	**96** 96" Length		**TW** 27K-65K	**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)	**Custom Paint Colors** As Specified
	M2 Suspended Stem Mount	**144** 144" Length	**ASO** **400 500 625 890**	**90 CRI** **927K 930K 935K 940K**	**ASO WITH LOUVER** Acrylic Smooth Opal (Performance is reduced with this diffuser)	**SR** Sensor Ready (Required for Certain Controls, Contact Factory)	**7** 277V		**S12** Lutron Athena Node (Color-White)	**Patterns, Shapes, Runs** Consult Factory. See page 3
		──── Custom or Row Length. 24" and above in 1" Increments. Ex. in inches: 82, 384, etc.	──── Custom Lumen Packages.			**eL** eldoLED Solo 0.1%	**X** As Specified		**S13** Lutron Athena Node (Color-Black)	
						LDE1 Lutron Hi-Lume			**S14** Lutron Athena Sensor (Color-White)	**MISC.**
						──── As Specified			**S15** Lutron Athena Sensor (Color-Black)	**WL** UL "Suitable for Wet Locations" labeled.
									017 Leviton PIR ZLS05-ILW	
									──── No Option	

⚡ All options highlighted in BLUE are eligble 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 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.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).
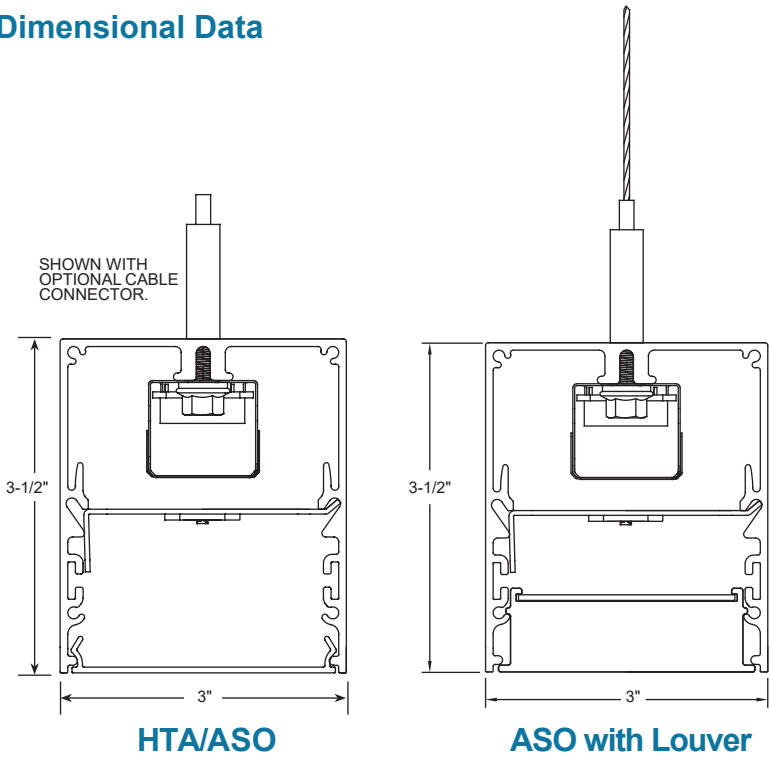
The following exclusions apply: Luminaires with standby lighting option, integral lighting controls options, or wireless control options. Consult factory.

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

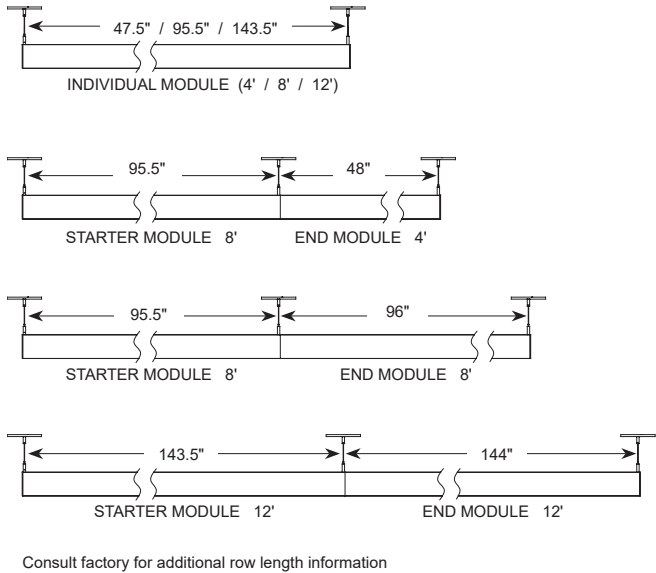**MERCURY ARCHITECTURAL LIGHTING**

Mercury Lighting Products Co, Inc. | 20 Audrey Place STE 2 | Fairfield, NJ 07004-3416 | Tel: 800.637.2584 | Fax: 973.244.9522 | mercltg.com

Specifications subject to change, consult factory when critical.

rev. 02/24 **p.2**

Dimensional Data

SHOWN WITH OPTIONAL CABLE CONNECTOR.

3-1/2"

3"

HTA/ASO

3-1/2"

3"

ASO with Louver

Mounting Information

47.5" / 95.5" / 143.5"

INDIVIDUAL MODULE (4' / 8' / 12')

95.5"   48"

STARTER MODULE 8'   END MODULE 4'

95.5"   96"

STARTER MODULE 8'   END MODULE 8'

143.5"   144"

STARTER MODULE 12'   END MODULE 12'

Consult factory for additional row length information

Hanging Accessories

CABLE SETS

R5PF-100   R2-100

R5-100   S2-100

S5PF-100   S5-100

STEM SETS

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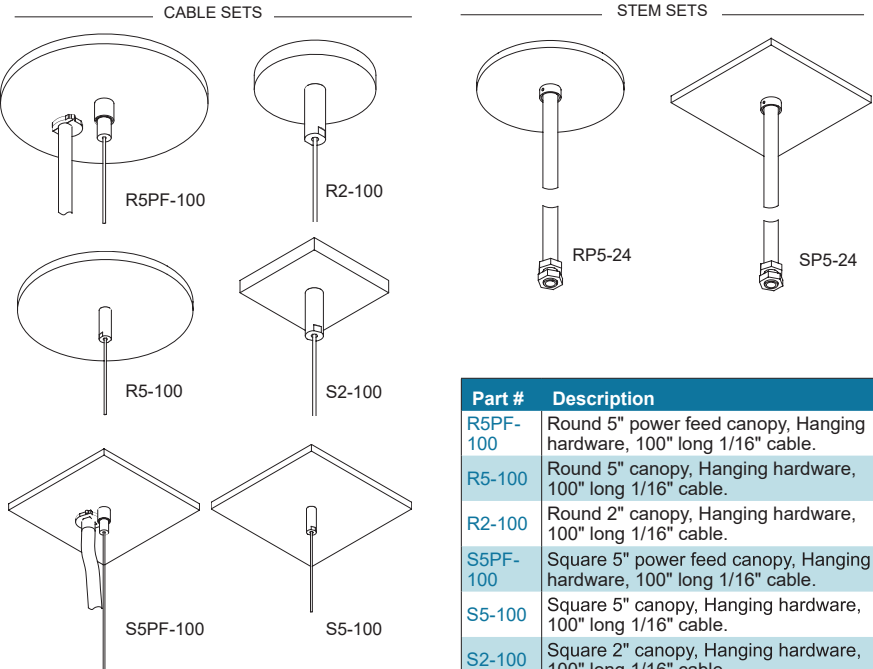
Part #	Description
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.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

90 Degree Corner

T-Section

Cross

Specifications subject to change, consult factory when critical.