

LIGHTSTREAMS

MLD3-M SERIES

DROP OR FLAT LENS 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.
- Custom formulated high diffusion extruded acrylic lens.
- Featured lens is a 1/2-inch drop style.
- Optional: 1-inch or 1-1/2-inch drop lens.
- Optional: flat style 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 120.
- Tunable white feature optional.
- Standard and custom corners
- American Made.



Performance

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

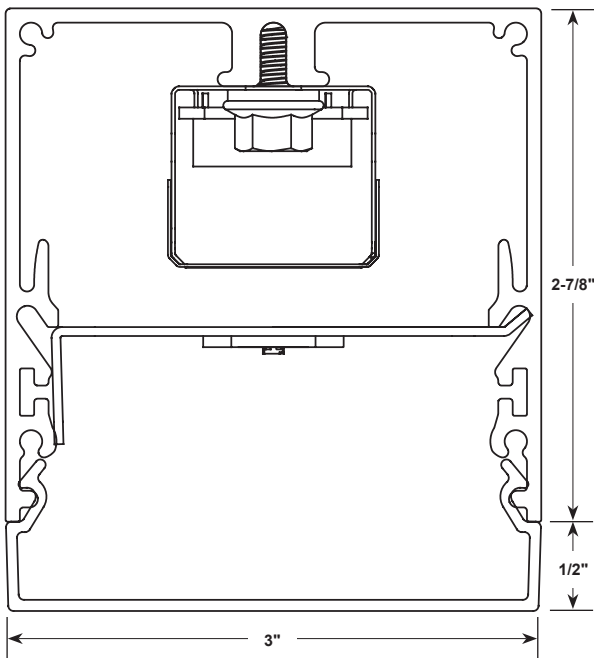
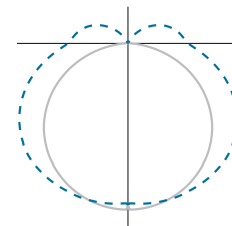
LUMENS PER/FT	TOTAL LUMENS	WATTS	LPW
A05 LENS			
400	1600	14.4	111
500	2000	18.1	110
625	2500	22.9	109
825	3300	31.3	105
1060	4240	41.7	102
A10 LENS			
400	1600	14.1	113
500	2000	17.8	112
625	2500	22.7	110
825	3300	30.8	107
1070	4280	41.5	103
A15 LENS			
400	1600	13.4	120
500	2000	16.8	119
625	2500	21.2	117
825	3300	28.9	114
1130	4520	41.5	109

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:

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Ex: MLD3-M-144-1060-35K-A05-1%-U-EM12

Options								
SERIES	MOUNTING	MODULE OR ROW LENGTH	LUMENS/ FT	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	STANDBY MODULES*
MLD3 LightStreams 3	M Suspended Cable Mount M1 Surface Mount M2 Suspended Stem Mount	48 48" Length 96 96" Length 144 144" Length Custom or Row Length. 24" and above in 1" increments. Ex. in inches: 82, 384, etc.	A05 LENS 400 500 625 825 1060 A10 LENS 400 500 625 825 1070 A15 LENS 400 500 625 825 1130 Custom Lumen Package. Contact Factory	30K 35K 40K 50K Upon Request TW 27K-65K 927K 930K 935K 940K	A05 1/2" Drop A10 1" Drop A15 1-1/2" Drop ASO Flat	1% 0-10V 1% Dimming SR Sensor Ready (Required for Certain Controls, Contact Factory) LDE1 Lutron Hi-Lume As Specified	U Uni 120V-277V 1 120V 7 277V X As Specified	EM7 EM10 EM12 No Option
								WL UL "Suitable for Wet Locations" labeled. CCEA Meets the City of Chicago Environmental Air specifications.
								CUSTOM HANGING POINTS As Specified
								CUSTOM PAINT COLORS 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.

.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.

Extruded from custom formulated acrylic smooth opal material.

Allows maximum light transmission while eliminating pixilation and hot spots.

Standard diffuser is 1/2-inch drop style.

Optional diffusers; 1-inch or 1-1/2-inch drop style or flat style.

Smooth finish 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.

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

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

Lutron driver 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.

Corners

Standard 90 degree corners.

Custom angled corners.

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.

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.

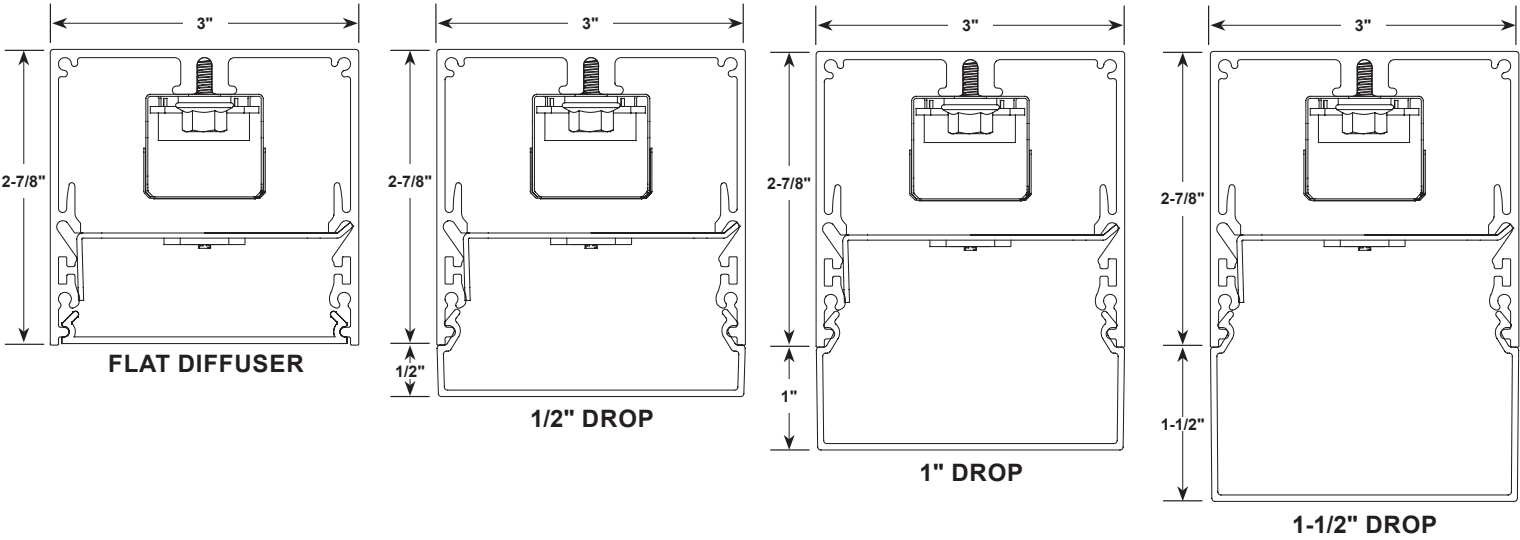
LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



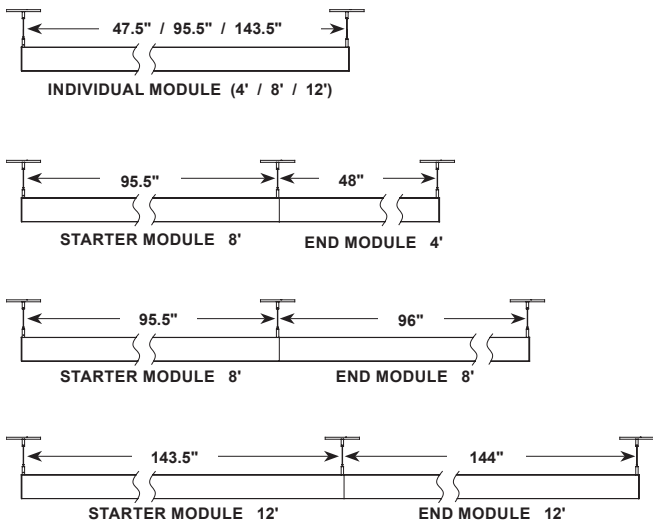
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Dimensional Data

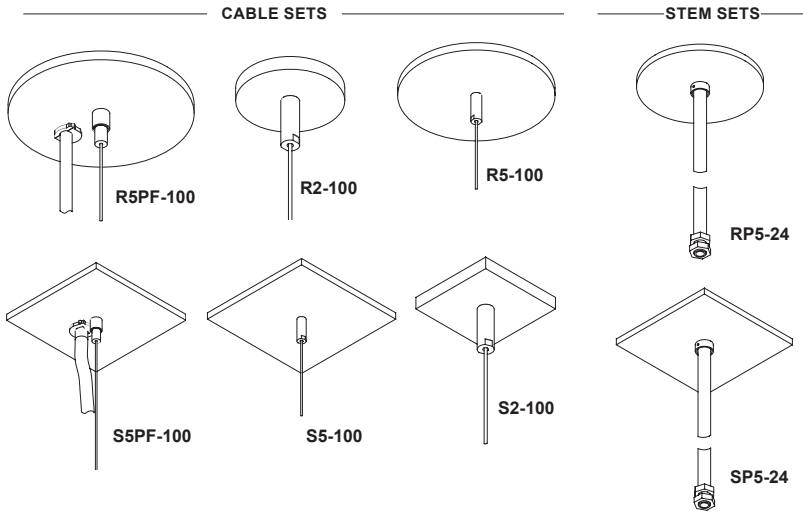


Mounting Information



Consult factory for additional row length information

Hanging Accessories



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.

