

LIGHTSTREAMS

MLD3-M SERIES

DROP OR FLAT LENS SUSPENDED OR SURFACE MOUNT

Architectural Linear LED Illuminating System | LIGHTSTREAMS 3

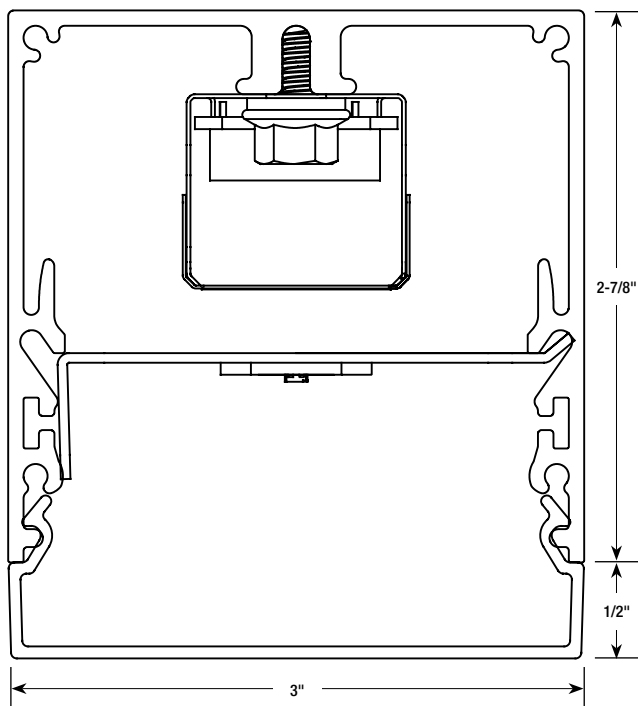


Features

- 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.
- Dimming down to 1% on 0-10V controls.
- Fixture lumens per watt ratios up to 114.
- Standard and custom corners
- American Made.



Cross Section (actual size)



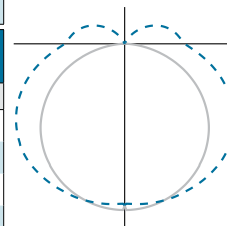
Performance

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

LUMENS PER/FT	TOTAL LUMENS	COLOR	WATTS	LPW
A05 LENS				
400	1600	35K	15	107
500	2000	35K	19	105
625	2500	35K	24	104
985	3940	35K	40	99
LUMENS PER/FT	TOTAL LUMENS	COLOR	WATTS	LPW
A10 LENS				
400	1600	35K	15	107
500	2000	35K	19	105
625	2500	35K	24	104
985	3940	35K	40	99
LUMENS PER/FT	TOTAL LUMENS	COLOR	WATTS	LPW
A15 LENS				
400	1600	35K	14	114
500	2000	35K	18	111
625	2500	35K	22	114
1050	4200	35K	40	105

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-144-985-35K-A05-1%-U-EM12

Options										
Series	Mounting	Module or Row Length	Lumens/ Ft	Color Temp	Diffuser	Driver	Voltage	Standby Modules*	Custom Hanging Points	Custom Paint Colors
MLD3 LightStreams 3	M Suspended Cable Mount	48 48" Length	A05 LENS 400 500 625 985	80 CRI	A05 1/2" Drop	1% 0-10V 1% Dimming	U Uni 120V-277V	EM7 EM10 EM12	As Specified	As Specified
	M1 Surface Mount	96 96" Length	A10 LENS 400 500 625 985		A10 1" Drop	SR Sensor Ready (Required for Certain Controls, Contact Factory)	1 120V	No Option		
	M2 Suspended Stem Mount	144 144" Length	A15 LENS 400 500 625 1050	90 CRI	A15 1-1/2" Drop	LDE1 Lutron Hi-Lume	7 277V			
		Custom or Row Length. 24" and above in 1" increments. Ex. in inches: 82, 384, etc.			AS0 Flat	LDE5 Lutron 5-Series	X As Specified			
			Custom Lumen Package. Contact Factory			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 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.

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.

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.

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.

Hanging Accessories

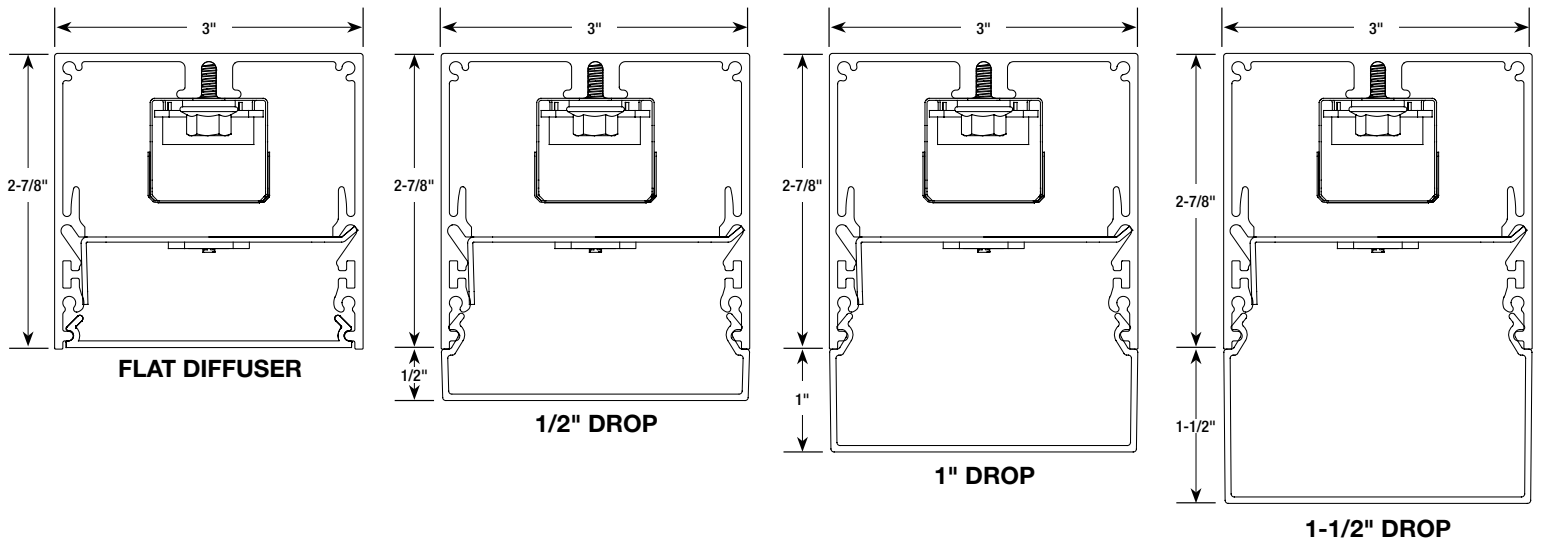
Part #	Description
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.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

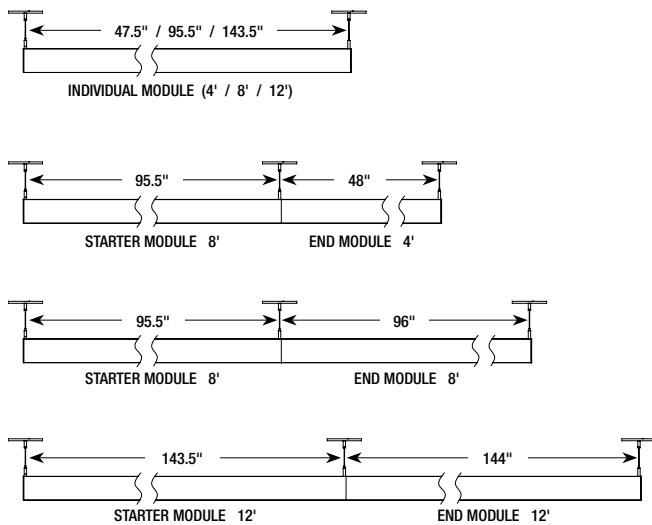
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Dimensional Data



Mounting Information



Consult factory for additional row length information

Hanging Accessories

