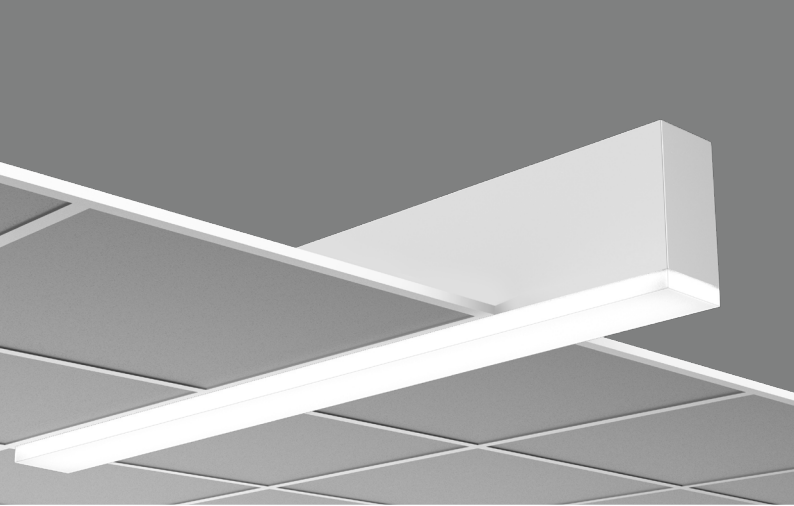


# LIGHTSTREAMS

## MLD2-G SERIES

## DROP OR FLAT LENS RECESSED MOUNT FOR GRID CEILINGS

### Architectural Linear LED Illuminating System | LIGHTSTREAMS 2



#### Features

- Extruded aluminum housing for perfectly straight lines of light.
- Narrow profile; 1-7/8-inch width.
- 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.
- Recessed for various grid ceiling types.
- 80 CRI standard. 90 CRI available.
- Cataloged standard or custom set lumens-per-foot performances.
- Continuous dimming capability down to 1% on 0-10V controls.
- IC rated.
- CCEA option available.
- Fixture lumens per watt ratios up to 110.
- Tunable White feature optional.
- Standard and custom corners
- American Made.



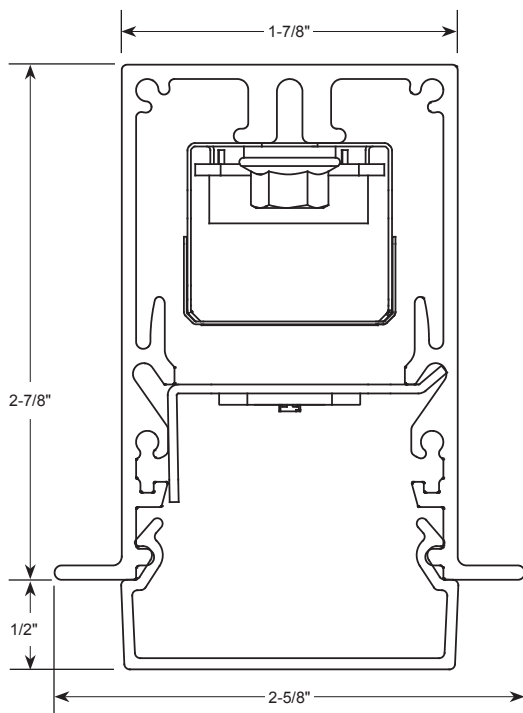
#### Performance

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

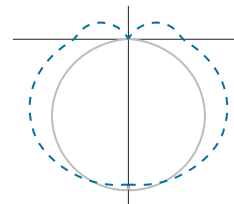
Lumens per Foot	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
<b>A05 LENS</b>			
400	1600	16.0	100
500	2000	20.3	99
625	2500	25.9	97
825	3300	35.4	93
950	3800	41.6	91
<b>A10 LENS</b>			
400	1600	15.3	105
500	2000	19.3	104
625	2500	24.6	102
825	3300	33.5	99
990	3960	41.3	96
<b>A15 LENS</b>			
400	1600	14.6	110
500	2000	18.3	109
625	2500	23.3	107
825	3300	31.8	104
1040	4160	41.5	100

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:

## MLD2-G Series | LIGHTSTREAMS 2

Architectural Linear LED Illuminating System | Drop or Flat Lens | Recessed Mount For Grid Ceilings

Ex: MLD2-G-144-825-35K-A10-1%-U-EM12

Options

### MLD2

SERIES	MOUNTING	MODULE OR ROW LENGTH	LUMENS/ FT	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	STANDBY MODULES*	MISC.
<b>MLD2</b> LightStreams 2	<b>G</b> Grid 9/16" or 15/16"	<b>48</b> 48" Length	<b>A05 LENS</b> <b>400</b> <b>500</b> <b>625</b> <b>825</b> <b>950</b>	<b>30K</b> <b>35K</b> <b>40K</b>	<b>A05</b> 1/2" Drop	<b>1%</b> 0-10V 1% Dimming	<b>U</b> Uni 120V-277V	<b>EM7</b> <b>EM10</b> <b>EM12</b>	<b>WL</b> UL "Suitable for Wet Locations" labeled.
	<b>S</b> Screw Slot or Interlude Grid 9/16"	<b>96</b> 96" Length	<b>400</b> <b>500</b> <b>625</b> <b>825</b> <b>950</b>	<b>50K</b> Upon Request	<b>A10</b> 1" Drop	<b>SR</b> Sensor Ready (Required for Certain Controls, Contact Factory)	<b>1</b> 120V	No Option	<b>CCEA</b> Meets the City of Chicago Environmental Air specifications.
		<b>144</b> 144" Length	<b>A10 LENS</b> <b>400</b> <b>500</b> <b>625</b> <b>825</b> <b>950</b>	<b>TW</b> 27K-65K	<b>A15</b> 1-1/2" Drop	<b>LDE1</b> Lutron Hi-Lume	<b>7</b> 277V		
		Custom or Row Length. 24" and above in 1" increments. Ex. in inches: 82, 384, etc.	<b>A15 LENS</b> <b>400</b> <b>500</b> <b>625</b> <b>825</b> <b>950</b> <b>1040</b>	<b>90 CRI</b> <b>927K</b> <b>930K</b> <b>935K</b> <b>940K</b>	<b>ASO</b> Flat	As Specified	<b>X</b> As Specified		
			Custom Lumen Package. Contact Factory						

\*Available in modules of 4-ft. and longer. / Maximum 875 Lumens per foot packages.

### 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.

Housing intended for recessing into grid type ceiling systems.

Easy-use grid pry outs provided.

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

### 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. (Limited to 875 Lumens per foot packages).

### Installations

Designed for recessed installation into acoustical grid ceiling systems.

See ceiling types section. Availability for various types; 15/16" grid, 9/16" grid, 9/16" screw-slot, 9/16" interlude.

For drywall applications see appropriate specification sheets for those ceiling types.

Grid pry outs lock over top of gridwork. Auxiliary suspension required to building structure.

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.

Wiring access plate provided on top. End plates have 7/8" KO.

### Certificate of Safety Compliance and Listings

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

IC rated.

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

CCEA option meets the City of Chicago Environmental Air specifications.

### 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](http://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.

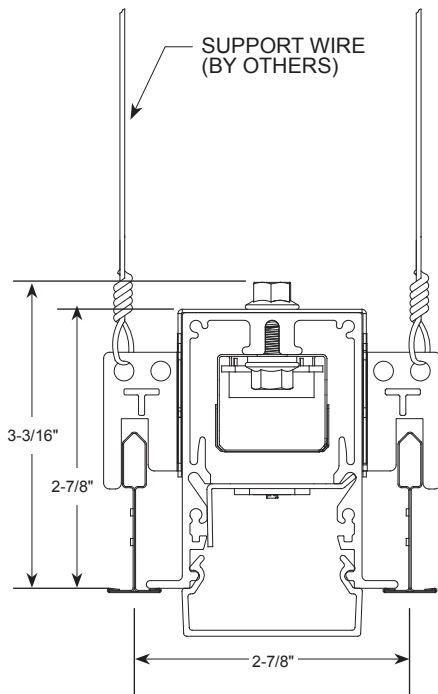
Consult factory.

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

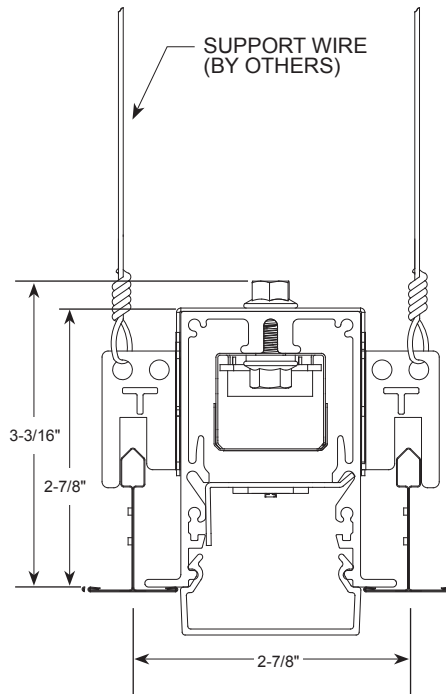
## MLD2-G Series | LIGHTSTREAMS 2

Architectural Linear LED Illuminating System | Drop or Flat Lens | Recessed Mount For Grid Ceilings

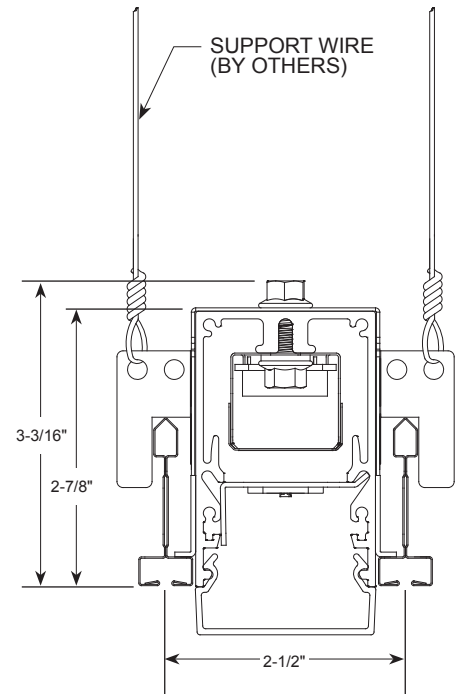
### Grid Ceiling Types and Dimensions



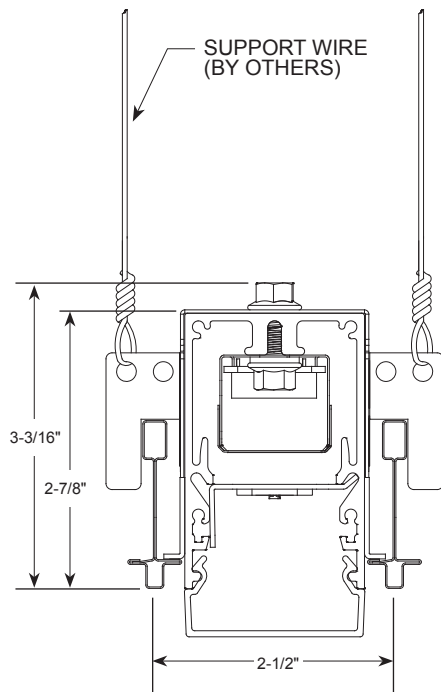
**9/16 GRID**



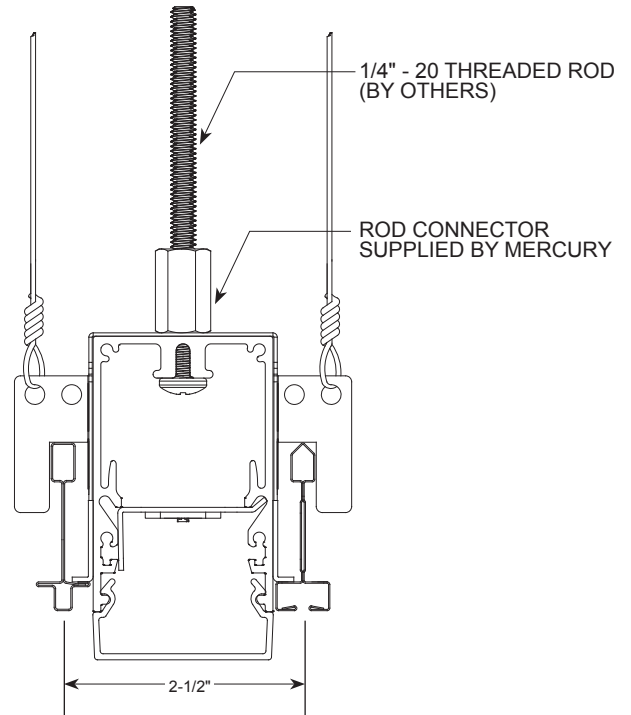
**15/16 GRID**



**9/16 SCREW SLOT**



**9/16 INTERLUDE**



**OPTIONAL  
SCREW MOUNTING  
METHOD**

