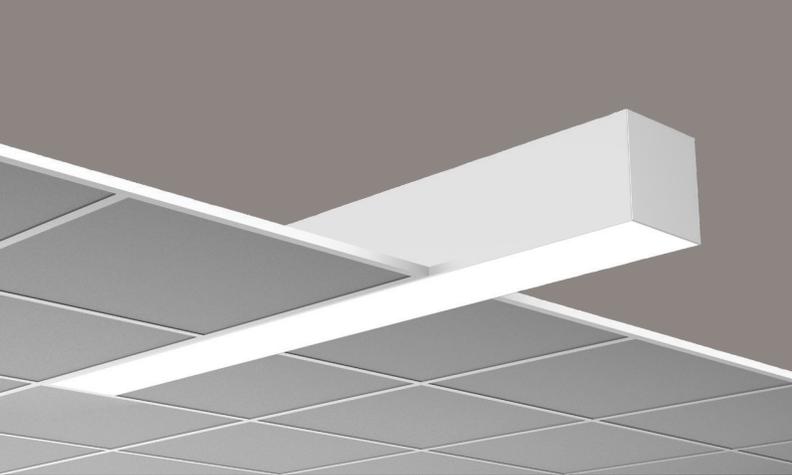


LIGHTSTREAMS

MLS4-G SERIES ⚡ LIGHTNING PROGRAM

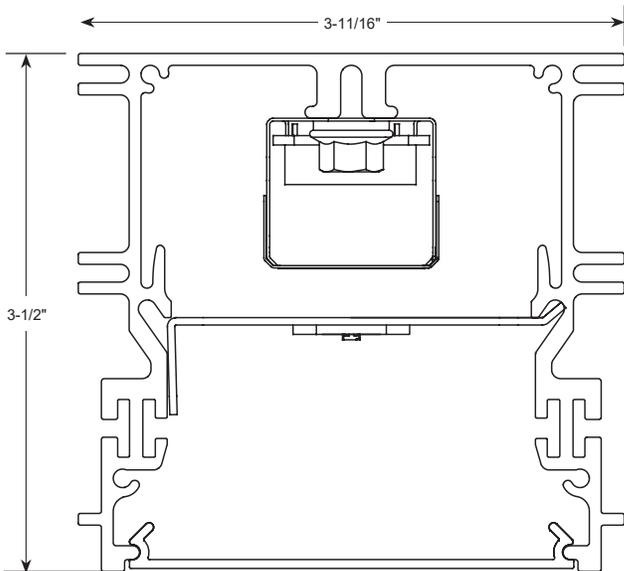
Recessed Mount for 4"- OC Grid Ceilings

Architectural Linear LED Illuminating System | LIGHTSTREAMS 2



Features

- Extruded aluminum housing for perfectly straight lines of light.
- Narrow profile fits 4-inch on-center grid ceilings.
- Linear lengths; 2-ft. and above in increments of one-inch.
- Custom formulated high diffusion extruded acrylic lens.
- Non-glare matte-white polyester powder coating finish.
- Continuous dimming capability down to 1% on 0-10V controls.
- Lightning Program eligible (ships in 15 days or less): See ordering data for options ⚡
- Compatible with various grid ceiling types.
- Cataloged standard or custom set lumens-per-foot performances.
- 80 CRI standard. 90 CRI available.
- IC Rated.
- CCEA option available.
- Fixture lumens per watt ratios up to 121.
- Tunable white feature optional.
- Lighting controls and sensors.
- American Made.



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-277+/- 10%. Consult factory for 90 CRI performances.

Performance- ASO

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

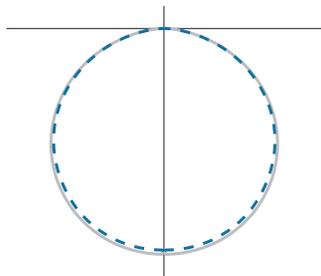
Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	16.3	98
500	2000	20.6	97
625	2500	26.2	95
950	3800	42.2	90

Multiplier for other Color Temp (K)

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



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



Fixture Type:

Job Information:



Ex. **MLS4-G-144-900-35K-ASO-1%-U-EM12-S1**

Options

Series	Mounting	Module or Row Length	Lumens/Ft	Color Temp	Diffuser	Driver	Voltage	Standby Modules*	Lighting Controls	Misc.
MLS4 LightStreams 4	G Grid 15/16"	48 48" Length	400 500 625 825 950 1100	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)	CCEA Meets the City of Chicago Environmental Air specifications.
LP-MLS4 Lightning Program	G9 Grid 9/16"	96 96" Length	400 500 625 950	50K Upon Request	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)	
	S Screw Slot or Interlude Grid 9/16"	144 144" Length		TW 27K-65K		SR Sensor Ready (Required for Certain Controls, Contact Factory)	7 277V		S12 Lutron Athena Node (Color-White)	
	T Grid 15/16" Tegular Tile	Custom or Row Length. 24" and above in 1" Increments. Ex. in inches: 82, 384, etc.		927K 930K 935K 940K		eL eldoLED Solo 0.1%	X As Specified		S13 Lutron Athena Node (Color-Black)	
	T9 Grid 9/16" Tegular Tile		Custom Lumen Packages.			LDE1 Lutron Hi-Lume			S14 Lutron Athena Sensor (Color-White)	
						As Specified			S15 Lutron Athena Sensor (Color-Black)	
									017 Leviton PIR ZLS05-ILW	
									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. / Maximum 625 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.

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

Easy-use grid pry outs provided.

Housing intended for recessing grid type ceiling system.

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.

Allows maximum light transmission while eliminating pixilation and hot spots

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.

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.

Integral Lighting Controls

Various lighting controls and sensors are optional. Consult factory.

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 driver available: LDE1 series. (Limited to 625 Lumens per foot packages).

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 825 Lumens per foot packages).**

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-MLS4 when placing order if you would like to use **Lightning Program**.

Installations

Designed for recessed installation into acoustical grid ceiling systems, including Armstrong® 4" TechZone™. See ceiling types section. Availability for various types; 15/16" grid, 9/16" grid, 9/16" screw-slot, 9/16" interlude, 15/16" tegular, 9/16" tegular.

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.

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.merclgt.com.

Actual performance may differ as a result of end-user environment and application.

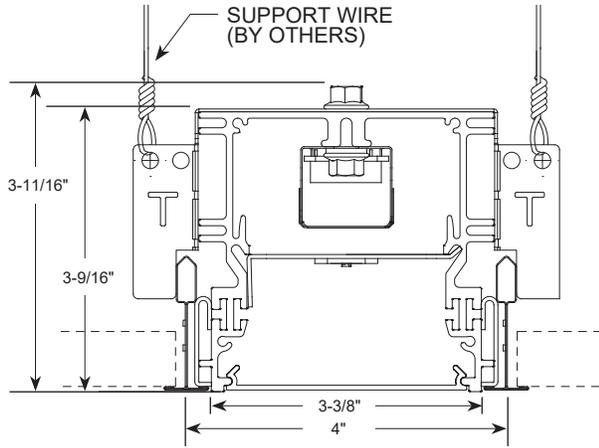
Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).

The following exclusions apply: Luminaires with standby lighting option, integral lighting control options, or wireless control options. Consult factory.

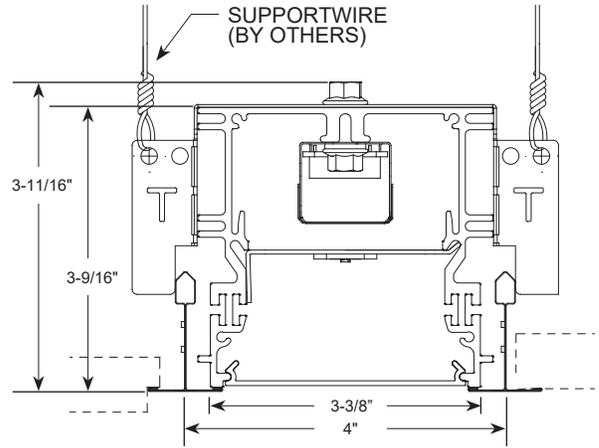
LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



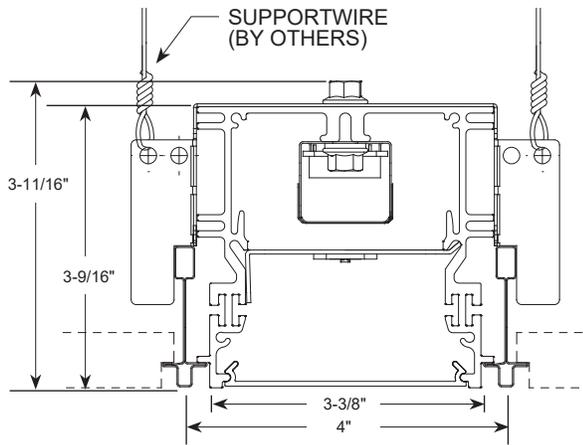
Grid Ceiling Types and Dimensions



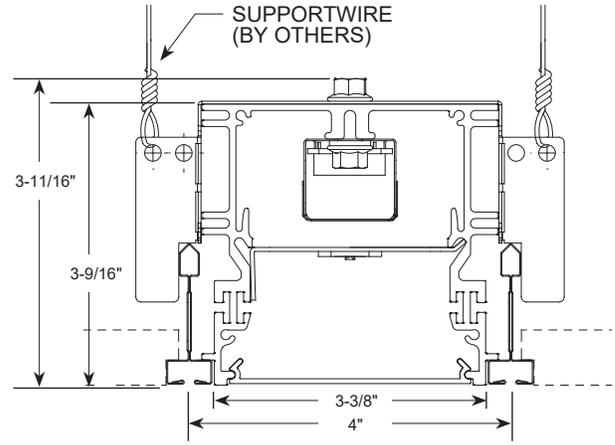
G9
9/16" GRID



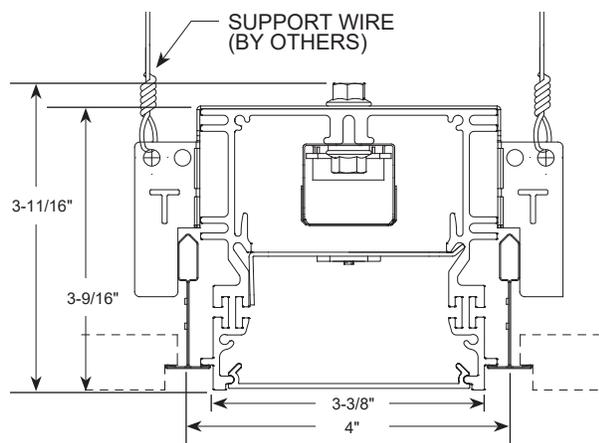
G
15/16" GRID



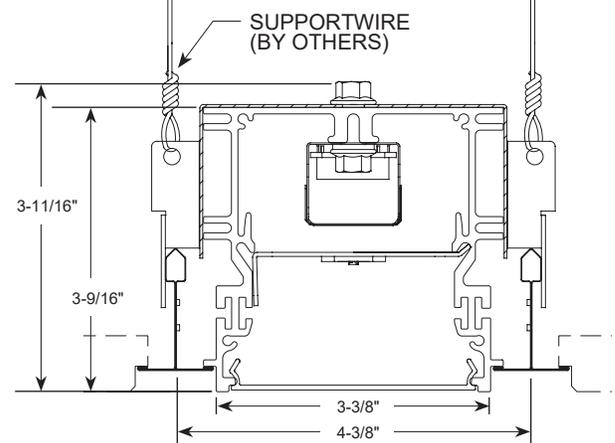
S
INTERLUDE



S
SCREW SLOT



T9
9/16" GRID
TEGULAR TILE



T
15/16" GRID
TEGULAR TILE

