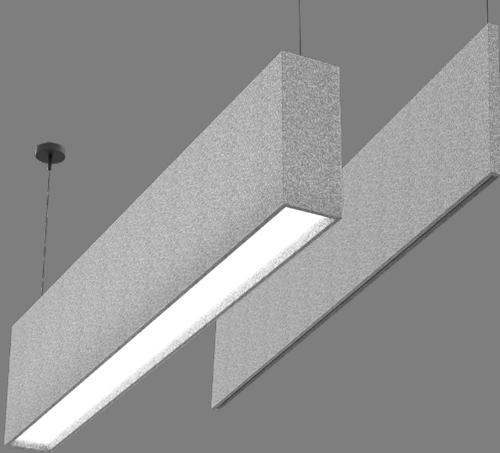


LIGHTACOUSTIC

MLA SERIES

LINEAR ACOUSTIC LED SYSTEM SOUND ABSORBING FEATURE DIRECT OR DIRECT/INDIRECT LIGHT DISTRIBUTIONS SUSPENDED MOUNT

Architectural Linear Acoustic LED Illuminating System | LIGHTACOUSTIC

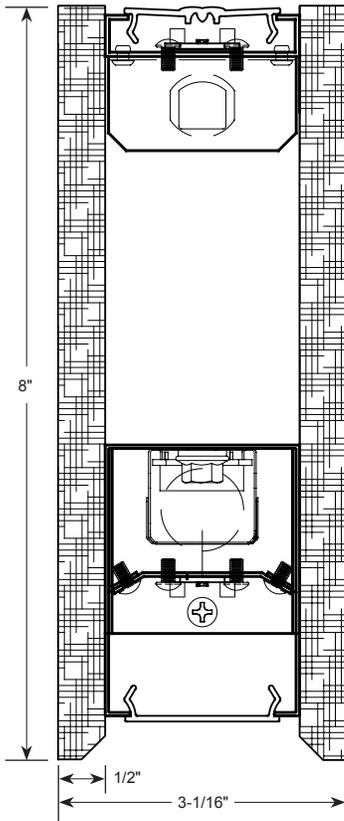


Linear Features:

- Now combining the lighting and sound absorbing systems in one coordinated effort.
- No longer fill a ceiling with unnecessary clutter.
- LightAcoustic luminaires feature a highly sound absorbing material surrounding the entire outer housing.
- Matching slim baffles available for additional sound reduction needs.
- Medium or dark gray colors standard. Other color choices available.
- Intended for environments where noise reduction is desired.
- Typical uses are open office designs, spaces with unfinished ceilings or with lots of glass.
- Luminaires are nominal 3-inch wide profile. Baffles are nominal 1/2-inch wide.
- Height of 8-inch maximizes the efficiency of the sound absorbing material.
- Custom longer heights for additional sound reduction are available.
- Linear lengths; 4Ft., 6Ft. or 8Ft. Custom lengths and runs consult factory.
- Tunable white feature optional.
- Custom formulated high diffusion extruded acrylic lens for the direct light component.
- Custom extruded batwing-type diffuser for the indirect light component. (When indirect is used).
- Cable mount from ceiling.
- Cataloged standard or custom set lumens-per-foot performances.
- 80 CRI standard. 90 CRI available.
- Fixture lumens per watt ratios up to 120.
- Lighting controls and sensors.
- American Made.

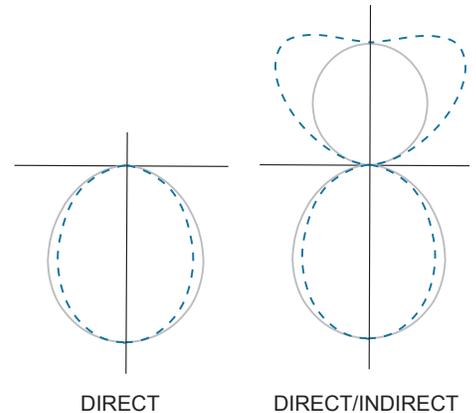


Cross Section



Performance Data on Page 4

Based on 4Ft. Module, 3500K, 80 CRI- Signify LV6 LED Boards



fixture type: <input style="width: 95%;" type="text"/>	job information: <input style="width: 95%;" type="text"/>
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MLA Series | LIGHTACOUSTIC

Linear Acoustic LED System | Sound Absorbing Feature | Direct or Direct/Indirect Light Distributions Suspended Mount

Ex: MLA-DI-96-850-1000-35K-HTA-BW-1%-2C-U-MG

MLA

Series	Light Distribution/ Mounting	Module Length	Lumens/Ft Direct	Lumens/Ft Indirect*	Color Temp	Diffuser/ Direct	Diffuser/ Indirect*	Driver	Circuiting	Voltage	Acoustic Panel Color	Acoustic Panel Height	
MLA LightAcoustic	DI Direct/Indirect Light Cable Suspended	48 48" Length	400 HTA 500 625 850	400 BW 500 625 1000	30K 35K 40K 80 CRI 50K Upon Request TW 27K-65K	HTA High Transmission Acrylic ASO Acrylic Smooth Opal	BW Batwing Indirect No Option	1% 0-10% Dimming 1% DD 0-10% Dimming Dim to Dark SR Sensor Ready (Required for Certain Controls, Contact Factory) eL eidoLED Solo 0.1% LDE1 Lutron Hi-Lume As Specified	1C Single Circuit 2C Dual Circuit Direct/Indirect	U Uni 120V-277V 1 120V 7 277V X As Specified	MG Pewter/Medium Gray DG Slate/Dark Gray Optional Panel Color (See page 3).	Optional Custom Height Consult Factory.	
	M Direct Light Cable Suspended	72 72" Length											
	Other Suspension Methods Consult Factory.	96 96" Length	Custom Lengths Consult Factory.	Custom Lumen Packages.	Custom Lumen Packages.	90 CRI 927K 930K 935K 940K							

Ex: MLA-NRB-96-MG

MLA - NRB

Series	Slim Noise Reduction Baffle	Module Length	Acoustic Panel Color	Acoustic Panel Height	Options
MLA LightAcoustic	NRB Slim Noise Reduction Baffle	48 48" Length	MG Pewter/Medium Gray	Optional Custom Height Consult Factory.	Standby Modules** EM7 EM10 EM12 No Option
		72 72" Length	DG Slate/Dark Gray		
		96 96" Length	Optional Panel Color (See page 3).		Lighting Controls As Specified
		Custom Lengths Consult Factory.			

* When specified DI.

** Available in modules of 4-ft. and longer for Direct Light. 6-ft. and longer for Direct/Indirect Light.

Housings

Constructed from 18GA. aluminum and galvanized cold rolled steel.

Joined together with rivets.

Maximum length is 8Ft.

Standard or custom hanging points are provided.

Acoustical Panels

Polyester sound absorbing material 1/2" thick.

Noise reduction coefficient (NRC) of .90.

Standard colors light, medium and dark gray.

Other colors upon request.

Matching slim baffles for additional noise reduction.

Diffusers

Seamless fit diffusers. Flawless and consistent end-to-end fit.

Standard direct-light diffuser: extruded from custom formulated high transmission white acrylic material. Allows maximum light transmission while eliminating pixilation and hot spots.

Standard indirect-light diffuser (where used): custom extruded batwing-type that spreads the light in a very consistent and wide beam of illumination.

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 80CRI: 3000K, 3500K and 4000K. Upon request: 5000K.

Color temperatures available 90CRI: 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.

Standby Lighting Options

Consult factory for all standby options.

Integral Lighting Controls

Various lighting controls and sensors are optional. Consult factory.

Continuous Runs, Corners and Patterns

Please consult factory with any special requirements.

Installations

Designed to be suspended on cables.

For direct surface mount to most ceiling types, consult factory.

For stem mounting specify consult factory.

All luminaires 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.

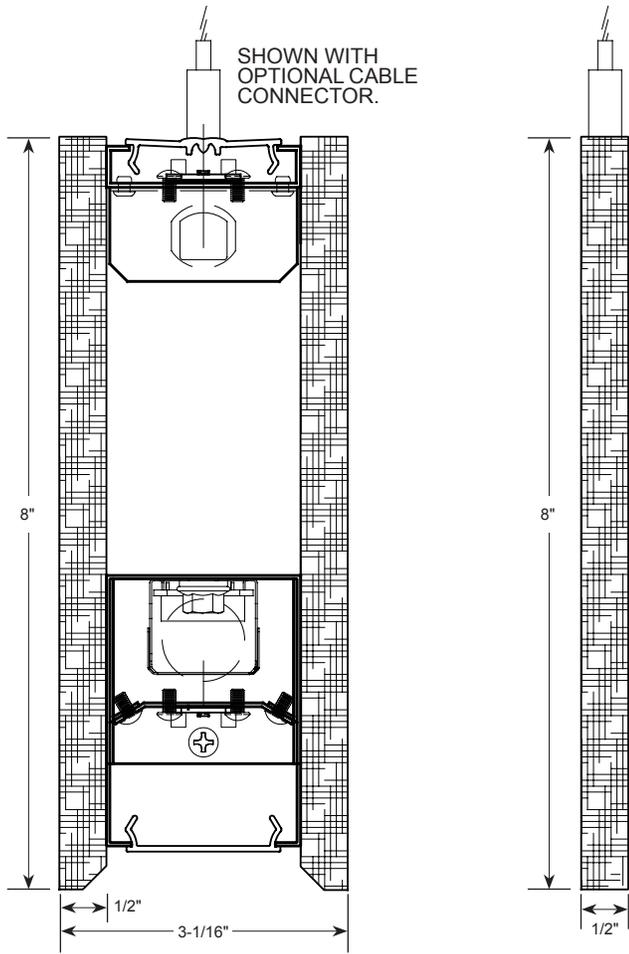
LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



MLA Series | LIGHTACOUSTIC

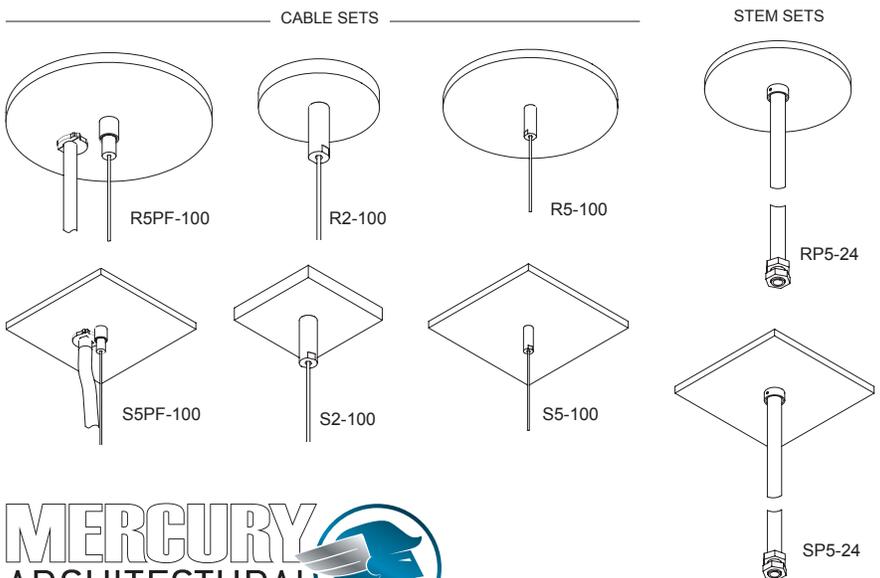
Linear Acoustic LED System | Sound Absorbing Feature | Direct or Direct/Indirect Light Distributions Suspended Mount

Dimensional Data

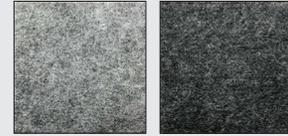


BAFFLE

Hanging Accessories



Available Panel Colors

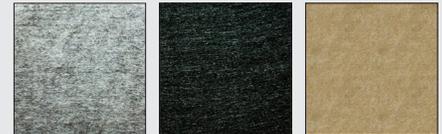


MG Pewter/Medium Gray
 DG Slate/Dark Gray

Special Colors (On Demand Only)



Frost Ivory Chambray



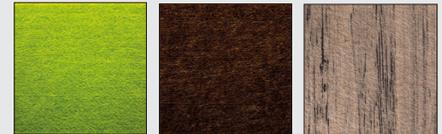
Smoke/Light Gray Tar Ecru



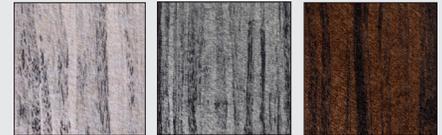
Linen Sunshine Mandarine



Ocre Sky Cobalt



Grass Bark *Timber - Spotted Gum



*Timber- Eucalyptus *Timber-Ironbark *Timber-Merbau

*8ft. Max Length for Wood Grain colors

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.

MLA Series | LIGHTSTREAMS

Architectural Linear LED Illuminating System | Drop or Flat Lens Suspended or Surface Mount

Performance Data HTA

Based on 4Ft. Module, 3500K, 80 CRI- Signify LV6 LED Boards

Direct Lumens Per Foot	Indirect Lumens Per FT	Direct/ Indirect %	Delivered Lumens Total (L)	System Watts (W)	Lumens Per Watt (LPW)
400	400	50/50	3200	26.8	119
	500	45/55	3600	30.2	119
	625	40/60	4100	34.1	120
	825	35/65	4900	40.9	120
	950	30/70	5400	45.2	119
	1200	25/75	6400	54.2	118
500	400	55/45	3600	30.6	118
	500	50/50	4000	34.0	118
	625	45/55	4500	37.9	119
	825	40/60	5300	44.7	119
	950	35/65	5800	49.0	118
	1200	30/70	6800	58.0	117
625	400	60/40	4100	35.5	115
	500	55/45	4500	38.9	116
	625	50/50	5000	42.8	117
	825	45/55	5800	49.6	117
	950	40/60	6300	53.9	117
	1200	35/65	7300	62.9	116
825	400	70/30	4900	43.9	112
	500	60/40	5300	47.3	112
	625	55/45	5800	51.2	113
	825	50/50	6600	58.0	114
	950	45/55	7100	62.3	114
	1200	40/60	8100	71.3	114
1000 MAX	400	70/30	5600	51.4	109
	500	65/35	6000	54.8	109
	625	60/40	6500	58.7	111
	825	55/45	7300	65.5	111
	950	50/50	7800	69.8	112
	1200	45/55	8800	78.8	112



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

Performance Data ASO

Based on 4Ft. Module, 3500K, 80 CRI- Signify LV6 LED Boards

Direct Lumens Per Foot	Indirect Lumens Per FT	Direct/ Indirect %	Delivered Lumens Total (L)	System Watts (W)	Lumens Per Watt (LPW)
400	400	50/50	3200	34.2	94
	500	45/55	3600	37.6	96
	625	40/60	4100	41.5	99
	825	35/65	4900	48.3	101
	950	30/70	5400	52.6	103
	1200	25/75	6400	61.6	104
500	400	55/45	3600	40.2	90
	500	50/50	4000	43.6	92
	625	45/55	4500	47.5	95
	825	35/65	5300	54.3	98
	950	40/60	5800	58.6	99
	1200	30/70	6800	67.6	101
650	400	60/40	4200	49.7	85
	500	55/45	4600	53.1	87
	625	50/50	5100	57.0	89
	825	45/55	5900	63.8	92
	950	40/60	6400	68.1	94
	1200	35/65	7400	77.1	96



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

