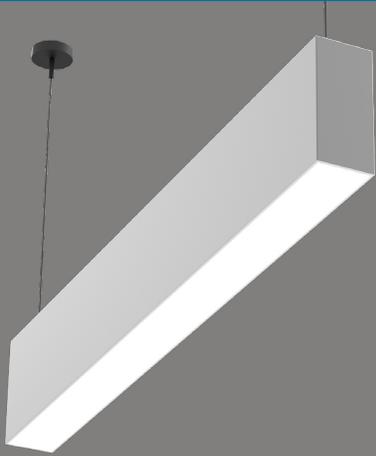


# LIGHTSTREAMS

MLS1.5-DI SERIES ⚡ LIGHTNING PROGRAM

INTEGRAL DRIVER  
SUSPENDED DIRECT/INDIRECT

## Architectural Linear LED Illuminating System | LIGHTSTREAMS



### Standard Features:

- Dual directional illumination. Direct downlighting and indirect uplighting.
- 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.
- Non-glare matte-white polyester powder coating finish.
- Custom colors available.
- Cable mount from ceiling.
- 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 119.
- Tunable white feature optional.
- Lighting controls and sensors.
- Standard and custom corners.
- American Made.
- A new extrusion with a shallower overall height of just 4-1/8".
- A new custom designed batwing-type indirect diffuser. Spreads light from the linear LED boards into two distinct side lobes. When projected onto the ceiling the results are a very consistent and wide spread of indirect illumination.
- New additional drop-down or pop-up diffuser options.
- Lightning Program eligible (ships in 15 days or less): See ordering data for options. ⚡

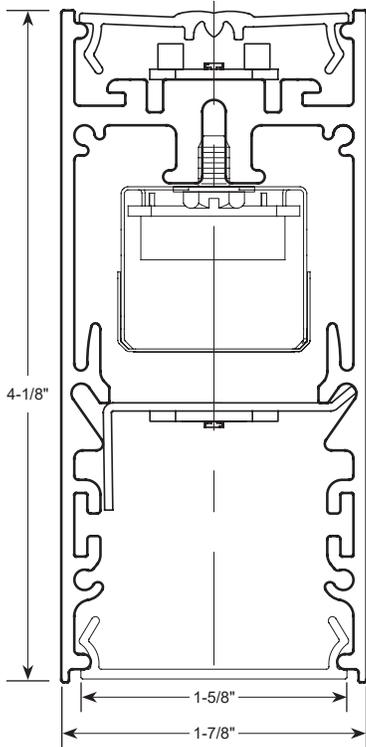
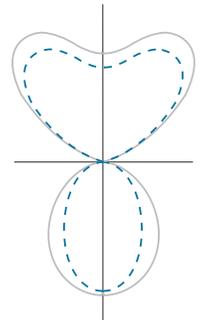


### Performance

Based on 4Ft. Module, 3500K, 80 CRI, HTA Direct Diffuser, BW Indirect Diffuser-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	28.6	112
	500	45/55	3600	31.6	114
	625	40/60	4100	34.5	119
	825	35/65	4900	41.2	119
	950	30/70	5400	45.6	118
	1200	25/75	6400	54.6	117
500	400	55/45	3600	32.5	111
	500	50/50	4000	35.5	113
	625	45/55	4500	38.4	117
	825	40/60	5300	45.1	118
	950	35/65	5800	49.5	117
	1200	30/70	6800	58.5	116
625	400	60/40	4100	37.8	108
	500	55/45	4500	40.8	110
	625	50/50	5000	43.7	114
	825	45/55	5800	50.4	115
	950	40/60	6300	54.8	115
	1200	35/65	7300	63.8	114
825	400	70/30	4900	46.3	106
	500	60/40	5300	49.3	108
	625	55/45	5800	52.2	111
	825	50/50	6600	58.9	112
	950	45/55	7100	63.3	112
	1200	40/60	8100	72.3	112
960 MAX	400	70/30	5440	52.4	104
	500	65/35	5840	55.4	105
	625	60/40	6340	58.3	109
	825	55/45	7140	65.0	110
	950	50/50	7640	69.4	110
	1200	45/55	8640	78.4	110

Multiplier for other Color Temp (K)  
 3000K 97%    4000K 102%  
 3500K 100%    5000K 103%



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

For ASO Performance Table see Page 4.



Fixture Type:  Job Information:

# MLS1.5-DI Series | LIGHTSTREAMS

## Architectural Linear LED Illuminating System | Suspended Direct/Indirect

Ex: MLS1.5-DI-144-825-950-35K-HTA-BW-1%-2C-U-EM12-S5

Options

Series	Mounting	Module or Row Length	Lumens/ Ft Direct	Lumens/ Ft Indirect	Color Temp	Diffuser/ Direct	Diffuser/ Indirect	Driver	Circuiting	Voltage	Standby Modules*	Lighting Controls
MLS1.5 LightStreams LP-MLS1.5 Lighting Program	DI Direct/ Indirect Suspended	48 48" Length	400 500	400 500	30K 35K 40K 50K Upon Request	HTA High Transmission Acrylic	BW Batwing Indirect	1% 0-10% Dimming	1C Single Circuit	U Uni 120V-277V	EM7 EM10 EM12	S1 Philips EasySense (SNS 210- Blue Tooth)
		96 96" Length	625 825	625 825								
		144 144" Length	960	950						7 277V		S12 Lutron Athena Node (Color-White)
		Custom or Row Length. 24" and above in 1" Increments. Ex. in inches: 82, 384, etc.	Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	90 CRI	A05 1/2" Drop	A10 1" Pop-Up	SR Sensor Ready (Required for Certain Controls, Contact Factory)		X As Specified		S13 Lutron Athena Node (Color-Black)
						A10 1" Drop	A15 1-1/2" Pop-Up	eL eldoLED Sglg 0.1%				S14 Lutron Athena Sensor (Color-White)
						927K 930K 935K 940K	A15 1-1/2" Drop	LDE1 Lutron Hi-Lume				S15 Lutron Athena Sensor (Color-Black)
								As Specified				O17 Leviton PIR ZLS05-ILW

Custom Paint  
Colors  
As Specified

 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.

### 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.

Inconspicuous cable hanging brackets at the ends.

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.

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

Optional direct diffuser: extruded from acrylic smooth opal material. Offers a more esthetically white appearance. Note: reduces performance by up to 25%. Smooth finish on both diffusers compliments the architectural elements.

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

Additional options: 1/2", 3/4" and 1-1/2" drop style diffusers may be added to the direct position. May also be added to the indirect position as a pop-up diffuser.

### 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.



Mercury Lighting Products Co, Inc. | 20 Audrey Place STE 2 | Fairfield, NJ 07004-3416 | Tel: 800.637.2584 | Fax: 973.244.9522 | mercltg.com  
Specifications subject to change, consult factory when critical.

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 600K.

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.

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

Lutron drivers 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.

### Integral Lighting Controls

Various lighting controls and sensors are optional. Consult factory.

### Corners

Standard 90-degree corners.

Custom angled corners.

### Installations

Designed to be suspended on cables.

Easy-connect cable hangers make installations easy.

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.

### Certificate of Safety Compliance and Listings

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

### 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-MLS1.5 when placing order if you would like to use [Lightning Program](#).

### 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).

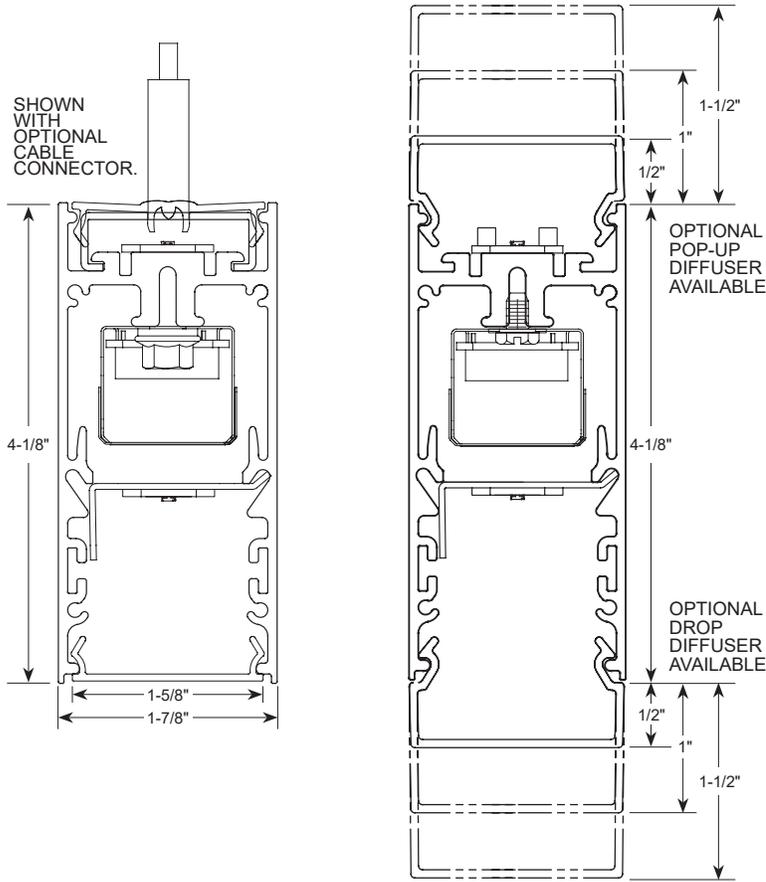
Actual performance may differ as a result of end-user environment and application.

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

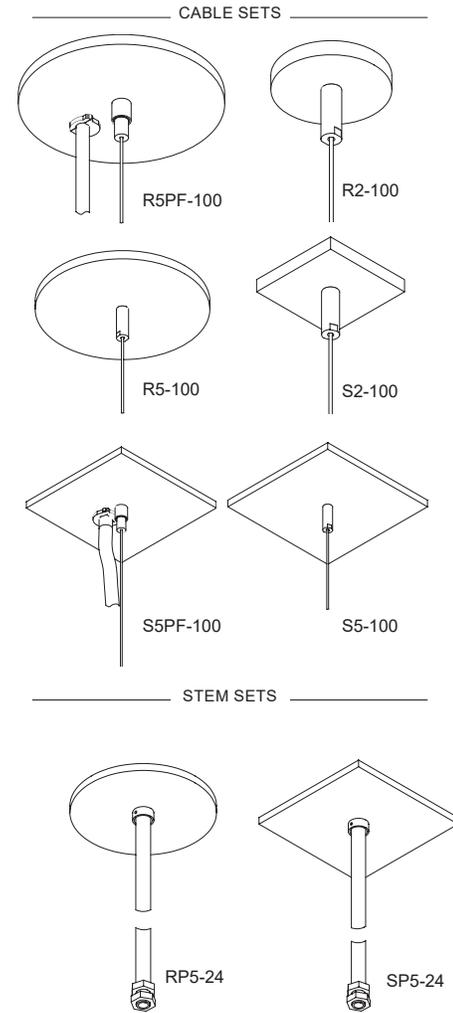
The following exclusions apply: Luminaires with standby lighting option, integral lighting controls options, or wireless control options. Consult factory.

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

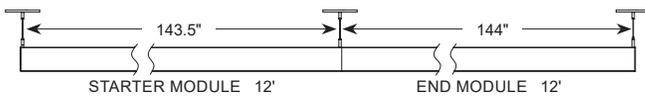
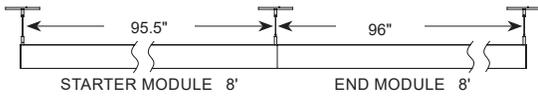
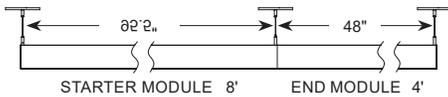
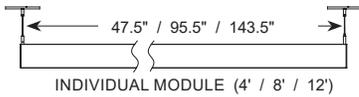
**Dimensional Data**



**Hanging Accessories**



**Mounting Information**



Consult factory for additional row length information

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.



# MLS1.5-DI Series | LIGHTSTREAMS

Architectural Linear LED Illuminating System | Suspended Direct/Indirect

## Performance

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	950	30/70	5400	52.6	103
	1200	25/75	6400	61.6	104
500	400	55/45	3600	41.8	86
	500	50/50	4000	44.8	89
	625	45/55	4500	47.7	94
	825	35/65	5300	54.4	97
	950	40/60	5800	58.8	99
	1200	30/70	6800	67.8	100
625	400	60/40	4100	49.5	83
	500	55/45	4500	52.5	86
	625	50/50	5000	55.4	90
	825	45/55	5800	62.1	93
	950	40/60	6300	66.2	95
	1200	35/65	7300	75.5	97



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

