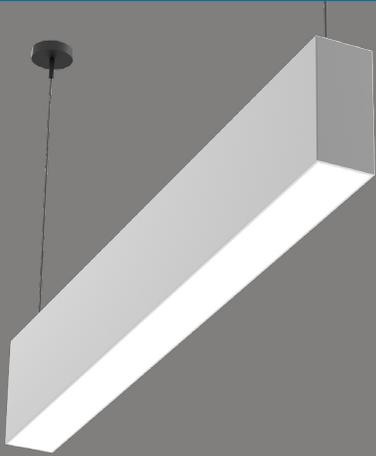# LIGHTSTREAMS

MLS2-DI SERIES ⚡ LIGHTNING PROGRAM

SUSPENDED DIRECT/INDIRECT

Architectural Linear LED Illuminating System | LIGHTSTREAMS 2

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. ⚡
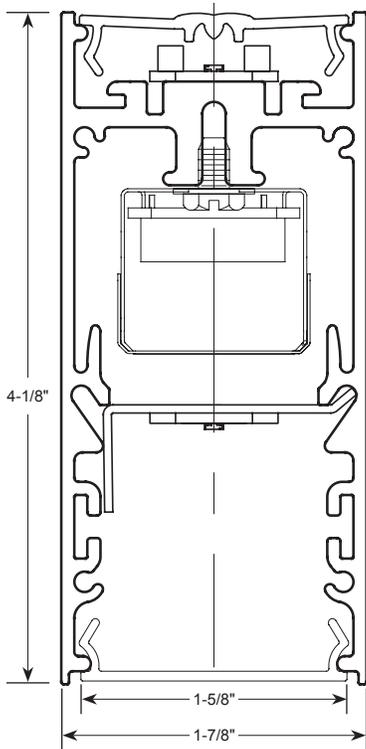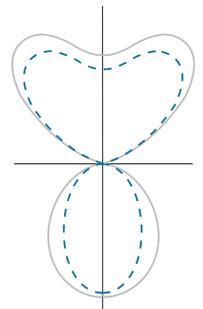
Made in USA

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

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.

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

DELIVERING UP TO 119 LUMENS PER WATT

tunable WHITE 27K – 65K

4-1/8"
1-5/8"
1-7/8"

MERCURY ARCHITECTURAL LIGHTING

Fixture Type:

Job Information:

Specifications subject to change, consult factory when critical.

MLS2-DI Series | LIGHTSTREAMS 2 ⚡

Architectural Linear LED Illuminating System | Suspended Direct/Indirect

Ex: MLS2-DI-144-825-950-35K-HTA-BW-1%-2C-U-EM12-S1

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
MLS2 LightStreams 2	**DI** Direct/ Indirect Suspended	**48** 48" Length	**400** **500** **625** **825** **960**	**400** **500** **625** **825** **950** **1200**	**30K** **35K** **40K**	**HTA** High Transmission Acrylic	**BW** Batwing Indirect	**1%** 0-10V 1% Dimming	**1C** Single Circuit	**U** Uni 120V-277V	**EM7** **EM10** **EM12**	**S1** Philips EasySense (SNS 210- Blue Tooth)
LP-MLS2 Lightning Program		**96** 96" Length			**50K** Upon Request	**ASO** Flat	**A05** 1/2" Pop-Up	**1% DD** 0-10% Dimming Dim to Dark	**2C** Dual Circuit Direct/ Indirect	**1** 120V	No Option	**S11** Enlighted Micro (SU5ECL)
		144 144" Length	Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	**TW** 27K-65K	**A05** 1/2" Drop	**A10** 1" Pop-Up	**SR** Sensor Ready (Required for Certain Controls, Contact Factory)		**7** 277V		**S12** Lutron Athena Node (Color-White)
		Custom or Row Length. 24" and above in 1" Increments. Ex. in inches: 82, 384, etc.			**927K** **930K** **935K** **940K**	**A10** 1" Drop	**A15** 1-1/2" Pop-Up	**eL** eldoLED Solo 0.1%		**X** As Specified		**S13** Lutron Athena Node (Color-Black)
						A15 1-1/2" Drop		**LDE1** Lutron Hi-Lume				**S14** Lutron Athena Sensor (Color-White)
								As Specified			Custom Paint Colors — As Specified	**S15** Lutron Athena Sensor (Color-Black)
												017 Leviton PIR ZLS05-ILW

HTA — BW (left margin labels); 80 CRI / 90 CRI (Color Temp section markers)

⚡ All options highlighted in BLUE are eligble 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.

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.

Dim to Dark option 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-MLS2 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.
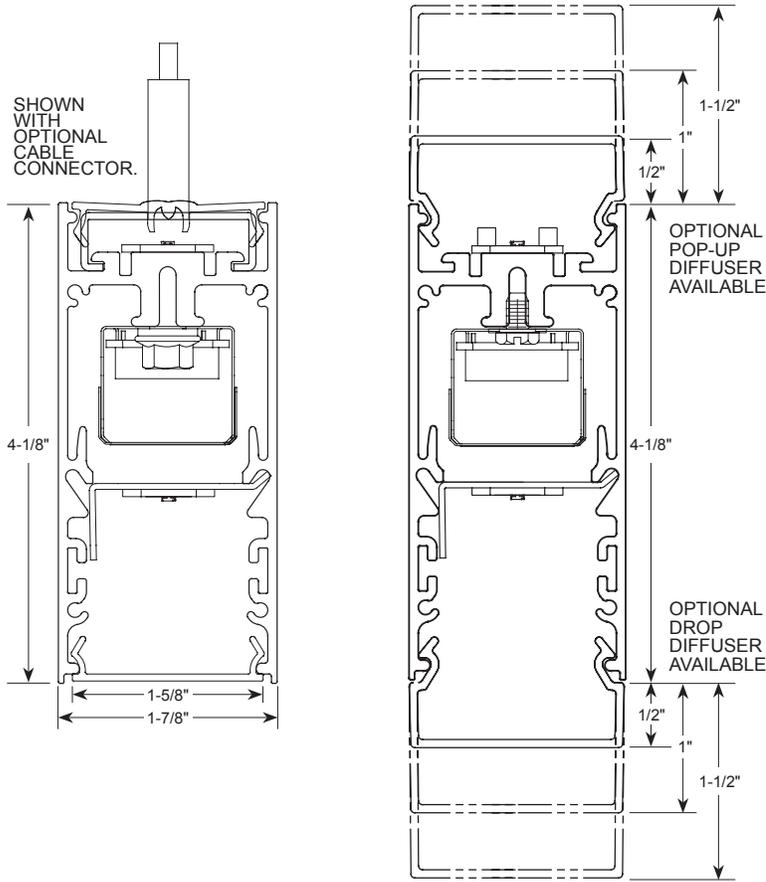
Actual performance may differ as a result of end-user environment and application.

Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
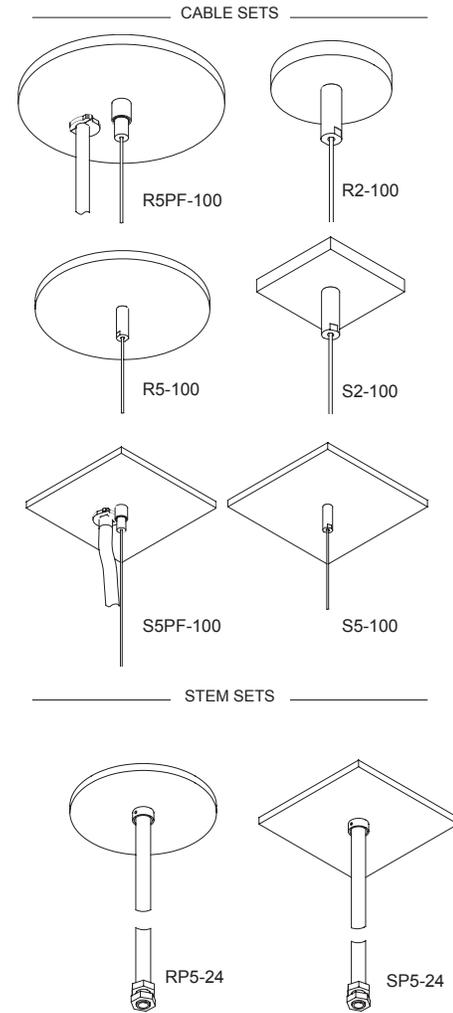
The following exclusions apply: Luminaires with standby lighting option, integral lighting controls options, or wireless control options. Consult factory.

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

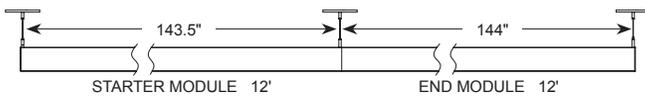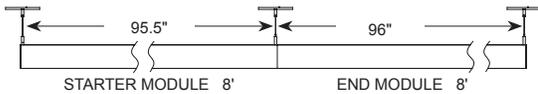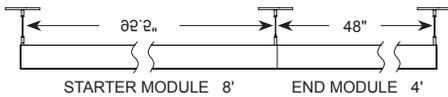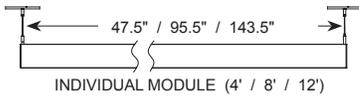MERCURY ARCHITECTURAL LIGHTING

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.
rev. 03/24 p.2

MLS2-DI Series | LIGHTSTREAMS 2 ⚡
Architectural Linear LED Illuminating System | Suspended Direct/Indirect

Dimensional Data

SHOWN WITH OPTIONAL CABLE CONNECTOR.

4-1/8"

1-5/8"
1-7/8"

1-1/2"
1"
1/2"

OPTIONAL POP-UP DIFFUSER AVAILABLE

4-1/8"

OPTIONAL DROP DIFFUSER AVAILABLE

1/2"
1"
1-1/2"

Hanging Accessories

CABLE SETS

R5PF-100

R2-100

R5-100

S2-100

S5PF-100

S5-100

STEM SETS

RP5-24

SP5-24

Mounting Information

47.5" / 95.5" / 143.5"

INDIVIDUAL MODULE (4' / 8' / 12')

95.5"

48"

STARTER MODULE 8'

END MODULE 4'

95.5"

96"

STARTER MODULE 8'

END MODULE 8'

143.5"

144"

STARTER MODULE 12'

END MODULE 12'

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.

Performance
Based on 4Ft. Module, 3500K, 80 CRI, ASO 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)
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	500	45/55	3600	38.6	93
	625	40/60	4100	41.5	99
	825	35/65	4900	48.2	102
	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	66.5	95
	1200	35/65	7300	75.5	97

DELIVERING UP TO **104** LUMENS PER WATT

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

Specifications subject to change, consult factory when critical.