

LIGHTSTREAMS 2

ARCHITECTURAL LINEAR SUSPENDED DIRECT AND INDIRECT



LINEAR LENGTHS

2-ft. and above in increments of one-inch.

MATERIAL

Extruded aluminum housing for perfectly straight lines of light
Custom formulated high diffusion extruded acrylic lens.

FINISHES

Non-glare matte-white polyester powder coating finish.
Custom colors available.

LAMPING AND EFFICACY

Lumens Fixture lumens per watt ratios up to 119
Cataloged standard or custom set lumens-per-foot performances.

CRI 80 CRI standard. 90 CRI available.

Color Temp Tunable white feature optional.

Controls Lighting controls and sensors.

LIGHTING DIRECTION

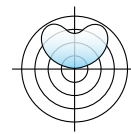
New additional drop-down or pop-up diffuser options.
Direct downlighting and indirect uplighting.
A new custom designed batwing-type indirect diffuser.
Spreads light from the linear LED boards into two distinct side lobes. When projected onto the ceiling the results are a very consistent and wide spread of indirect illumination.

DRIVER

Continuous dimming capability down to 1% on 0-10V controls



Direct diffuser



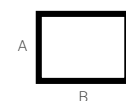
Indirect diffuser
(Batwing-type)



Straight Run
(S)



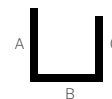
Square
(Q)



Rectangle
(R)



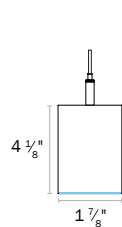
L-Shaped
(L)



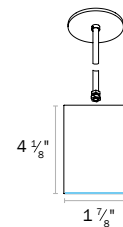
U-Shaped
(U)

For other shapes/patterns consult the factory.

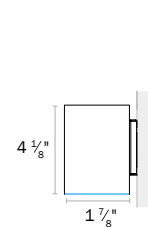
MOUNTING



Suspended



Suspended stem mount



Wall Mount

Fixture type:

Job information:

MLS2-DI SERIES

PRODUCT DEFINITION SHEET

All options highlighted in **BLUE** are eligible for **Lighting Program** (same quality product, shipped in 15 days or less)



Ex: MLS2-DI-144-S18-825-950-35K-HTA-BW-1%-2C-U-EM12-S1

1	2	3	4	5	6	7
8	9	10	11	12	13	14

1	2	3	4
SERIES	MOUNTING	MODULE OR ROW LENGTH	SHAPE
<input type="checkbox"/> MLS2 LightStreams 2 <input type="checkbox"/> LP-MLS2 Lighting Program	<input type="checkbox"/> DI Direct/Indirect Suspended <input type="checkbox"/> DISM Direct/Indirect Suspended stem mount <input type="checkbox"/> WDI Direct/Indirect Wall Mount	<input type="checkbox"/> 48 48" Length <input type="checkbox"/> 96 96" Length <input type="checkbox"/> 144 144" Length Custom or Row Length. 24" and above in 1" increments. Ex. in inches: 82, 384, etc.	<input type="checkbox"/> S__ Individual/Straight Run Section (enter length in product code above, ex. S18) <input type="checkbox"/> Q__ Square Configuration (enter side length A, ex: Q18) <input type="checkbox"/> R_/_ Rectangular Configuration (enter side lengths A and B, ex. R12/24) <input type="checkbox"/> L_/_ L-Shaped Configuration (enter side lengths A and B, ex. L12/24) <input type="checkbox"/> U_/_/_ U-Shaped Configuration (enter side lengths A, B, and C, ex. U12/12/24)

All corners of shape must be 90°, same plane
Lengths greater than 8' consist of multiple individual housing sections joined together. Lengths are nominal and may vary based on lamping and other specification selections. Consult Mercury when exact lengths are required.

5	6	7	8	9	10
LUMENS/FT DIRECT	LUMENS/FT INDIRECT	COLOR TEMP	DIFFUSER DIRECT	DIFFUSER INDIRECT	DRIVER
HTA <input type="checkbox"/> 400 <input type="checkbox"/> 500 <input type="checkbox"/> 625 <input type="checkbox"/> 825 <input type="checkbox"/> 960 Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	BW <input type="checkbox"/> 400 <input type="checkbox"/> 500 <input type="checkbox"/> 625 <input type="checkbox"/> 825 <input type="checkbox"/> 950 <input type="checkbox"/> 1200 Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	80 CRI <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K Upon request <input type="checkbox"/> TW 27K-65K 90 CRI <input type="checkbox"/> 927K <input type="checkbox"/> 930K <input type="checkbox"/> 935K <input type="checkbox"/> 940K	<input type="checkbox"/> HTA High Transmission Acrylic <input type="checkbox"/> ASO Flat <input type="checkbox"/> A05 1/2" Drop <input type="checkbox"/> A10 1" Drop <input type="checkbox"/> A15 1-1/2" Drop	<input type="checkbox"/> BW Batwing Indirect <input type="checkbox"/> A05 1/2" Pop up <input type="checkbox"/> A10 1" Pop up <input type="checkbox"/> A15 1-1/2" Pop up	<input type="checkbox"/> 1% 0-10V 1% Dimming <input type="checkbox"/> 1% DD 0-10% Dimming Dim to Dark <input type="checkbox"/> SR Sensor Ready (Required for Certain Controls, Contact Factory) <input type="checkbox"/> eL eldoLED Solo 0.1% <input type="checkbox"/> LDE1 Lutron Hi- Lume <input type="checkbox"/> - As Specified

OPTIONS

11	12	13	14
CIRCUITING	VOLTAGE	STANDBY MODULES	LIGHTING CONTROLS
<input type="checkbox"/> 1C Single Control (Choose for Direct, Indirect, or Bidirectional illumination. D+I controlled together for Bidirectional) <input type="checkbox"/> 2C Independent Control (Choose for Bidirectional illumination. D & I controlled independently) Contact Mercury for adding additional zones, separated zones/circuits, etc	<input type="checkbox"/> U Uni 120-277V <input type="checkbox"/> 1 120V <input type="checkbox"/> 7 277V <input type="checkbox"/> X As Specified	<input type="checkbox"/> EM10 <input type="checkbox"/> EM12 <input type="checkbox"/> NO OPTION Available in modules of 4-ft. and longer.	<input type="checkbox"/> S1 Philips EasySense (SNS 210- Blue Tooth) <input type="checkbox"/> S11 Enlighted Micro (SU5ECL) <input type="checkbox"/> S12 Lutron Athena Node (Color-White) <input type="checkbox"/> S13 Lutron Athena Node (Color-Black) <input type="checkbox"/> S14 Lutron Athena Sensor (Color-White) <input type="checkbox"/> S15 Lutron Athena Sensor (Color-Black) <input type="checkbox"/> 017 Leviton PIR ZLS05-ILW

CUSTOM PAINT COLORS

AS SPECIFIED

MLS2-DI SERIES



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)
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.



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

MLS2-DI SERIES



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)
400	400	50/50	3200	35.6	90
	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

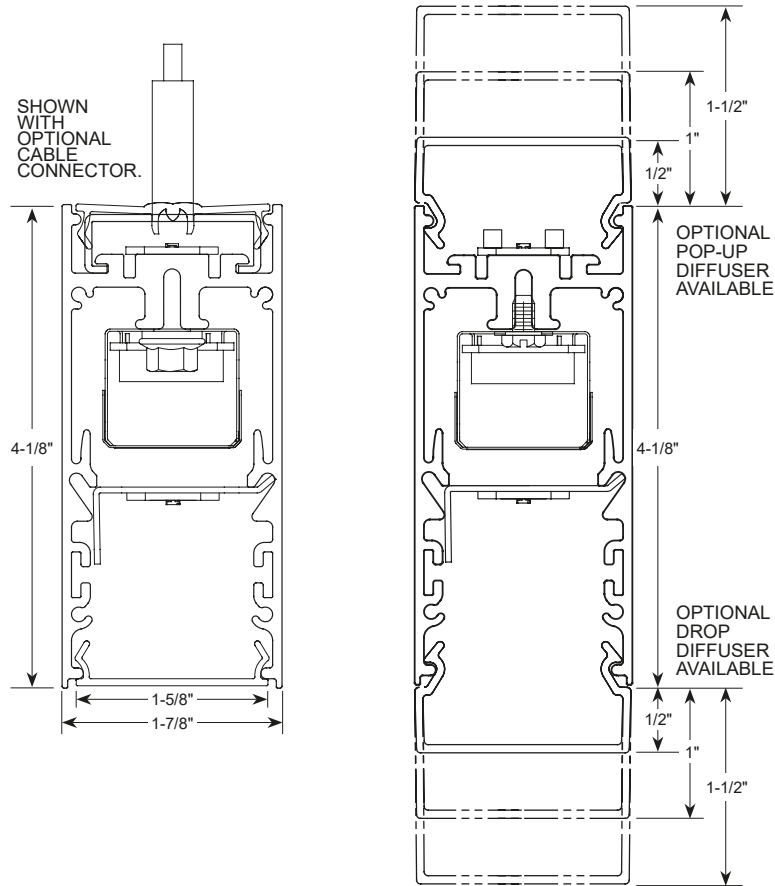
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Multiplier for other Color Temp (K)

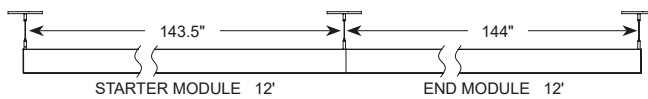
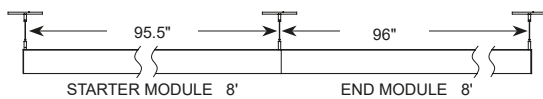
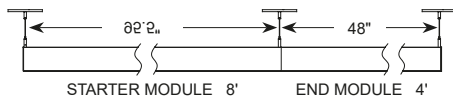
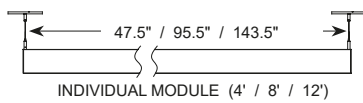
- 3000K 97%
- 3500K 100%
- 4000K 102%
- 5000K 103%



DIMENSIONAL DATA



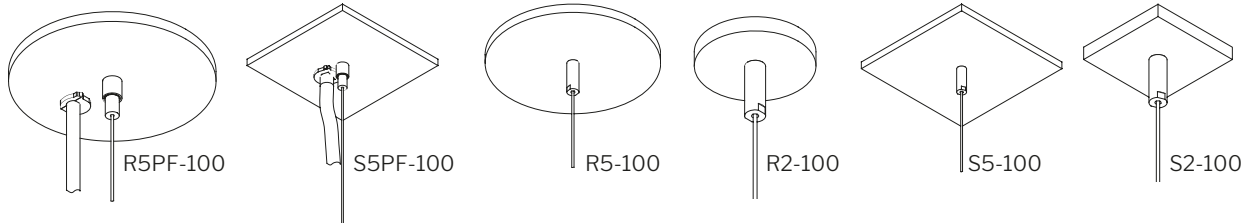
MOUNTING INFORMATION



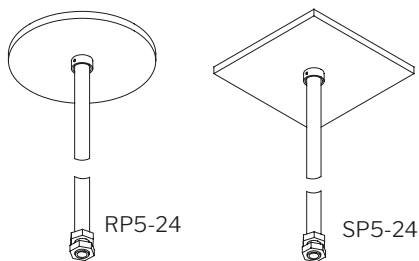
Consult factory for additional row length information

HANGING ACCESSORIES

CABLE SETS



STEM SETS



PART #	DESCRIPTION
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
S5PF100	Square 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.
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.

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.

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.

CORNERS

Standard 90-degree corners. Custom angled corners.

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.

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.