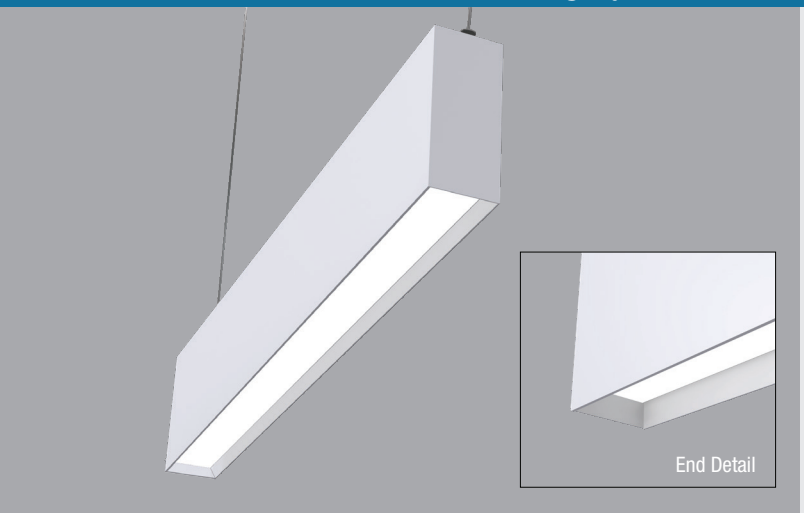
LIGHTSTREAMS

MLR2-M SERIES

REGRESSED LENS
SUSPENDED OR SURFACE MOUNT

Architectural Linear LED Illuminating System | LIGHTSTREAMS 2

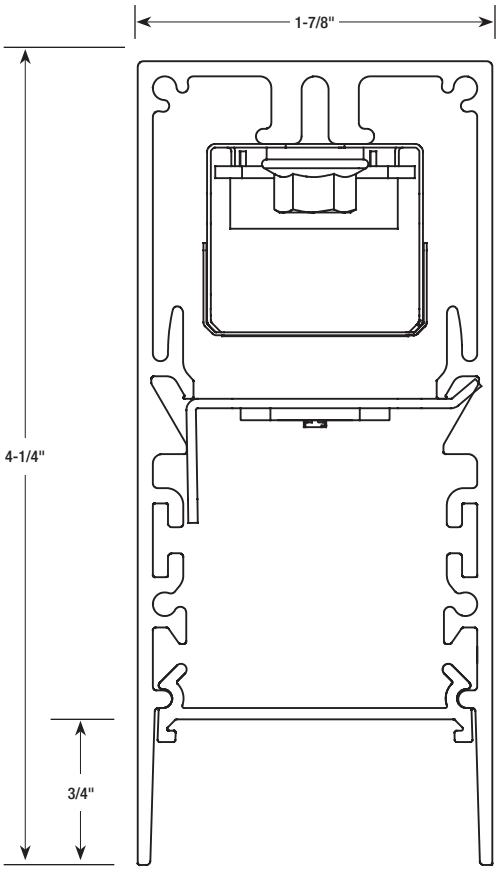


Features

- 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.
- Architecturally-pleasing 3/4" regression.
- Non-glare matte-white polyester powder coating finish.
- Cable or stem mount from ceiling, or direct surface mount.
- Cataloged standard or custom set lumens-per-foot performances.
- 80 CRI standard. 90 CRI available.
- Dimming down to 1% on 0-10V controls.
- Fixture lumens per watt ratios up to 84.
- Standard and custom corners.
- American Made.

Made in USA

Cross Section (actual size)



Performance - HTA

Based on 4Ft. Module, 3500K, 80 CRI, HTA diffuser

Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	19	84
500	2000	24	83
625	2500	30	83
800	3200	40	80

Multiplier for other Color Temp (K)

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

DELIVERING UP TO 84 LUMENS PER WATT

Performance - ASO

Based on 4Ft. Module, 3500K, 80 CRI, ASO diffuser

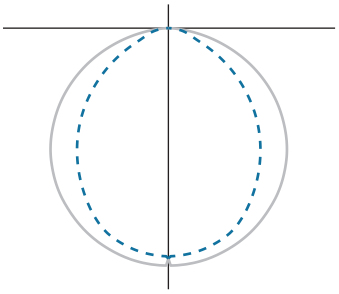
Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	25	64
500	2000	33	61
600	2400	40	60

Multiplier for other Color Temp (K)

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

DELIVERING UP TO 64 LUMENS PER WATT

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



MERCURY ARCHITECTURAL LIGHTING

fixture type:

job information:

Mercury Lighting Products Co, Inc. | 20 Audrey Place | Fairfield, NJ 07004 | Tel: 800.637.2584 | Fax: 973.244.9522 | mercltg.com

Specifications subject to change, consult factory when critical.

MLR2-M Series | LIGHTSTREAMS 2

Architectural Linear LED Illuminating System | Regressed Lens | Suspended or Surface Mount

Ex: MLR2-M-144-600-35K-ASO-1%-U-EM12

Options

MLR2 - - - - - - - - - - -

Series	Mounting	Module or Row Length	Lumens/ Ft	Color Temp	Diffuser	Driver	Voltage	Standby Modules*	Custom Hanging Points	Custom Paint Colors
MLR2 LightStreams 2	**M** Suspended Cable Mount **M1** Surface Mount **M2** Suspended Stem Mount	**48** 48" Length **96** 96" Length **144** 144" Length ____ Custom or Row Length. 24" and above in 1" Increments. Ex. in inches: 82, 384, etc.	HTA: **400** **500** **625** **800** ASO: **400** **500** **600** ____ Custom Lumen Packages.	80 CRI: **30K** **35K** **40K** **50K** Upon Request 90 CRI: **927K** **930K** **935K** **940K**	**HTA** High Transmission Acrylic **ASO** Acrylic Smooth Opal (Performance is reduced with this diffuser)	**1%** 0-10V 1% Dimming **SR** Sensor Ready (Required for Certain Controls, Contact Factory) **LDE1** Lutron Hi-Lume **LDE5** Lutron 5-Series ____ As Specified	**U** Uni 120V-277V **1** 120V **7** 277V **X** As Specified	**EM7** **EM10** **EM12** ____ No Option	As Specified	As Specified

*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.

14GA steel 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.

Standard or custom hanging points are provided.

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.

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.

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.

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.

Specification grade dimming down to 1% on 0-10V dimming controls.

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

Lutron drivers available: LDE1 and LDE5 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.

Corners

Standard 90 degree corners.

Custom angled corners.

Installations

Designed to be suspended on cables. Specify **M**

For direct surface mounting to most ceiling types, specify **M1** and consult factory.

For stem mounting specify **M2** and consult factory.

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.

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.

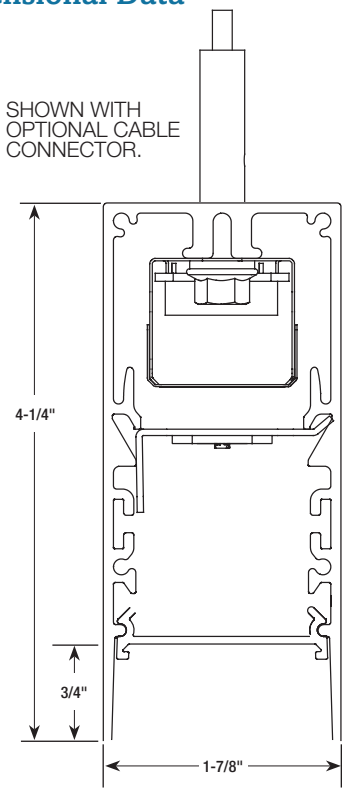
Hanging Accessories

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.

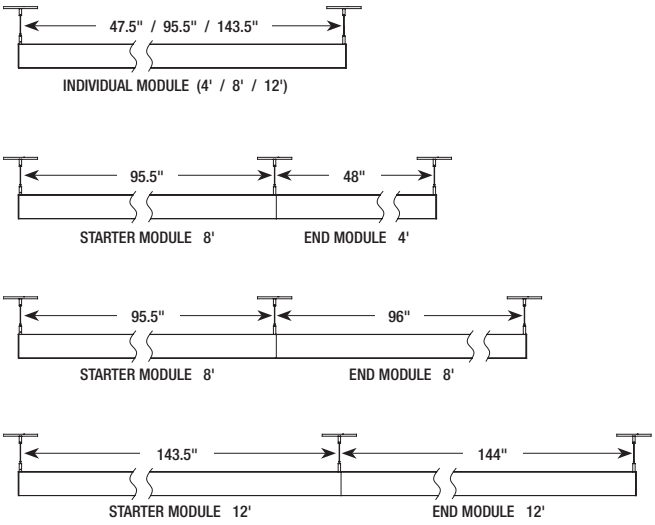
Other cable and stem lengths available. Consult factory.

MERCURY ARCHITECTURAL LIGHTING

Dimensional Data



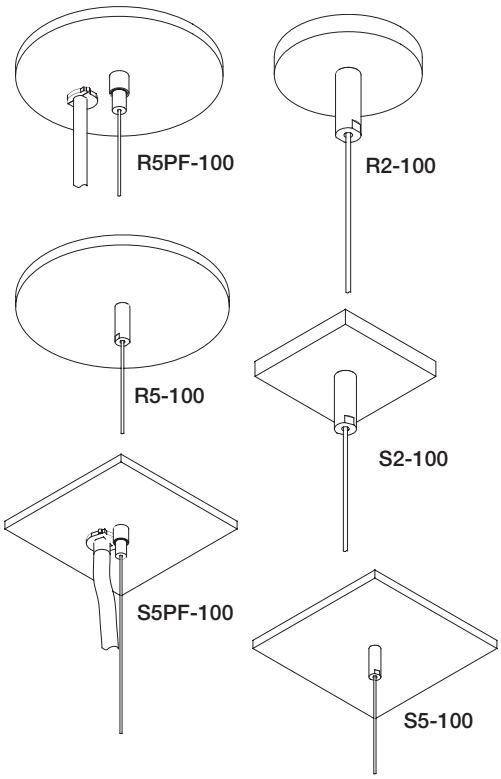
Mounting Information



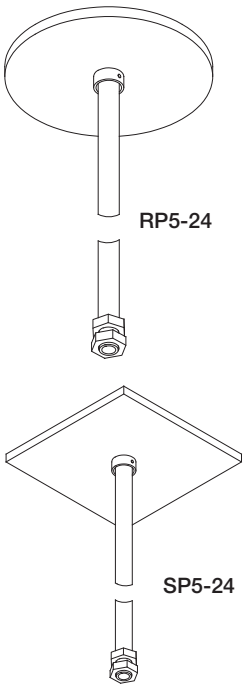
Consult factory for additional row length information

Hanging Accessories

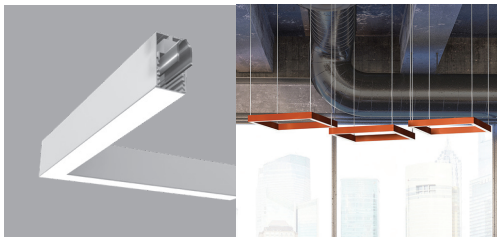
CABLE SETS



STEM SETS



Patterns, Shapes, Runs



90 Degree Corner

T-Section

Cross