## Architectural Linear LED Illuminating System | LIGHTSTREAMS 3



## Features

- Extruded aluminum housing for perfectly straight lines of light.
- Narrow profile 3-inch wide profile.
- 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.
- Continuous dimming capability down to $1 \%$ on $0-10 \mathrm{~V}$ controls.
- Fixture lumens per watt ratios up to 108.
- Tunable white feature optional.
- Standard and custom corners
- American Made.
- Lightning Program eligible (ships in 15 days or less): See ordering data for options. (4)


Made in USA

## Performance - HTA



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

| Lumens per Foot (LF) | Delivered Lumens (L) | System Watts (W) | Lumens per Watt (LPW) |  |
| :---: | :---: | :---: | :---: | :---: |
| 400 | 1600 | 14.8 | 108 | Multiplier for other Color Temp (K) |
| 500 | 2000 | 18.6 | 108 |  |
| 625 | 2500 | 23.5 | 106 | 3000K 97\% |
| 825 | 3300 | 31.8 | 104 | $\begin{array}{ll} 3500 \mathrm{~K} & 100 \% \\ 4000 \mathrm{~K} & 102 \% \end{array}$ |
| 1000 | 4000 | 39.4 | 102 | 5000K 103\% |

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

## Performance - ASO

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

| Lumens per Foot (LF) | Delivered Lumens (L) | System Watts (W) | Lumens per Watt (LPW) | Multiplier for other |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 400 | 1600 | 19.3 | 83 | Color Temp (K) | (0) |
| 500 | 2000 | 24.6 | 81 | 3500K 100\% | Trıminily |
| 750 | 3000 | 38.4 | 78 | $\begin{array}{ll} \text { 4000K } & 102 \% \\ 5000 \mathrm{~K} & 103 \% \end{array}$ | VS P |

Actual performance may differ by $+/-5 \%$ when operating between $120 \mathrm{~V}-277 \mathrm{~V}+/-10 \%$. Consult Factory for 90 CRI performances.
Fixture Type:

Job Information:
TE 2 | Fairfield, NJ $07004-3416$ | Tel: 800.637 .2584 | Fax: 973.244 .9522 | mercltg.com
en critical.
tunable WHITE


## MLR3-M Series I LIGHTSTREAMS 3 (3)

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

## Ex: MLR3-M-144-750-35K-ASO-1\%-U-EM12



All options highlighted in BLUE are eligble for Lightning Program (same quality product, shipped in 15 days or less) *Available in modules of $4-\mathrm{ft}$. and longer.

## Housings

Extruded aluminum profile in a 0.080 -inch wall thickness.
Maximum length of each linear component is $12-\mathrm{ft}$.
.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.
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-toend 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: $3000 \mathrm{~K}, 3500 \mathrm{~K}$ and 4000K. Upon request: 5000K.
Color temperatures available 90 CRI: $2700 \mathrm{~K}, 3000 \mathrm{~K}$, 3500 K and 4000 K .


## 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, $120 \mathrm{~V}-277 \mathrm{~V}, 50 \mathrm{HZ}-60 \mathrm{HZ}$.
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 driver available: LDE1 series.

## Standby Lighting Options

Self contained module, $7 \mathrm{~W}, 10 \mathrm{~W}$ or 12 W 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 $12-\mathrm{ft}$. and less to use one housing with two ends pre-installed.
Lengths over $12-\mathrm{ft}$. 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

 ListingsLuminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.
Optional: Suitable for wet locations marking is available. Some limitations apply. Contact factory for all details.

## Lightning Program (4)

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-MLR3 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 optional standby lighting option, integral lighting controls options, or wireless control options.
Consult factory.
LM-79 testing was measured under a controlled
25 C (77F) ambient operating temperature.

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## Dimensional Data



## Mounting Information



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


Consult factory for additional row length information

## Hanging Accessories

_ STEM SETS


| Part \# | Description |
| :---: | :---: |
| $\begin{aligned} & \text { R5PF- } \\ & 100 \end{aligned}$ | 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. |
| $\begin{aligned} & \text { S5PF- } \\ & 100 \end{aligned}$ | 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. |

CABLE SETS $\qquad$

S5PF-100
S5-100

Other cable and stem lengths available. Consult factory.

