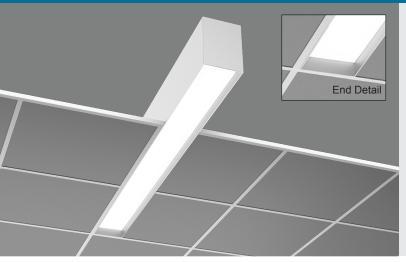
4-1/2"

3/4



REGRESSED LENS RECESSED MOUNT FOR GRID CEILINGS

Architectural Linear LED Illuminating System | LIGHTSTREAMS 3



Features

- · Extruded aluminum housing for perfectly straight lines of light.
- Narrow 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.
- Recessed for various grid ceiling types.
- 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.
- IC rated.
- · CCEA option available.
- · Tunable white feature optional.
- · Fixture lumens per watt ratios up to 108.
- · Standard and custom corners
- · American Made.
- · Lightning Program eligible (ships in 15 days or less): See ordering data for options. (



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
500	2000	18.6	108
625	2500	23.5	106
825	3300	31.8	104
1000	4000	39.4	102

Multiplier for other Color Temp (K) 3000K 97%

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



Performance - ASO

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

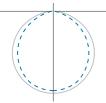
Lumens per Foot (LF)	Delivered Lumens (L)	System Watts (W)	Lumens per Watt (LPW)
400	1600	19.3	83
500	2000	24.6	81
750	3000	38.4	78

Multiplier for other Color Temp (K) 3000K

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



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











Fixture Type:



Job Information:





Architectural Linear LED Illuminating System | Regressed Lens | Recessed Mount For Grid Ceilings Ex: MLR3-G-144-825-35K-HTA-1%-U-EM12

Module or Color Standby Lumens Diffuser Series Mounting Driver Voltage Misc. Row Length Temp Modules' MLR3 HTA 30K 1% EM7 WL 400 U Grid 9/16" or 15/16" 0-10% Dimming UL "Suitable for 48" Length LightStreams 3 500 35K Hiah Uni **EM10** Transmission 120V-277V Wet Locations HTA 625 40K **EM12** LP-MLR3 1% DD 96 Acrylic labeled 825 Screw Slot or 0-10% Dimming Dim to Dark Liahtnina 50K 96" Length ASO Interlude Grid 9/16" 80 CRI 120V CCEA 1000 Program Upon No Option Acrylic Meets the 144 Request SR 400 Smooth Opal City of Chicago 144" Length Sensor Ready 277V ASO 500 TW Environmental (Required for Air specifications. 750 27K-65K Certain Controls, Х Custom or Contact Factory) As 927K Row Length. 24" and Specified _{90 CRI} 930K Custom eL Lumen eldoLED above in 1" 935K Package Solo 0.1% Increments. 940K Contact Ex. in inches: LDE1 Factory 82, 384, etc. Lutron Hi-Lume As Specified

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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. / Maximum 900 Lumens per foot packages.

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

A one-piece 14GA galvanized steel joiner/aligner bracket is provided for each joint between housings.

Internal cold-rolled steel components.

Housing intended for recessing into grid type ceiling systems.

Easy-use grid pry outs provided.

A custom formulated non-glare matte-white polyester powder coating provides an extremely durable and long-lasting finish.

Diffusers

Seamless fit diffusers. Flawless and consistent end-to-end fit.

Diffusers are regressed into housing.

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.

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 lumensper-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 driver 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. (Limited to 900 Lumens per foot packages).

Corners

Standard 90-degree corners.

Custom angled corners.

Installations

Designed for recessed installation into acoustical grid ceiling systems.

See ceiling types section. Availability for various types; 15/16" grid, 9/16" grid, 9/16" screw-slot, 9/16" interlude. For drywall applications see appropriate specification sheets for those ceiling types.

Grid pry outs lock over top of gridwork. Auxiliary suspension required to building structure.

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.

─ Options ─

Wiring access plate provided on top. End plates have 7/8" KO.

Certificate of Safety Compliance and Listings

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

C rated

Optional: Suitable for wet locations marking is available. Some limitations apply. Contact factory for all details.

CCEA option meets the City of Chicago Environmental Air specifications.

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-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 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.

Grid Ceiling Types and Dimensions

