

LIGHTSTREAMS HEX

MLH4-DI SERIES

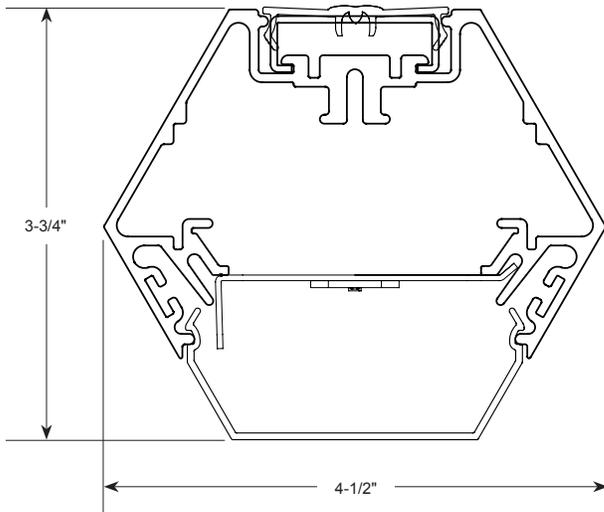
SUSPENDED HEXAGONAL PROFILE DIRECT/INDIRECT

Architectural Linear LED Illuminating System | LIGHTSTREAMS HEX



Features

- Dual directional illumination. Direct downlighting and indirect uplighting.
- Exciting new extruded aluminum housing for perfectly straight lines of light.
- Nominal 4-inch hexagonal profile for architectural appeal.
- Custom formulated high diffusion extruded acrylic direct lens completes the bottom and matches the profile's shape.
- Custom designed batwing-type indirect diffuser optimizes the spread of the indirect illumination.
- Linear lengths; 2-ft. and above in increments of one- inch.
- 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.
- Tunable white feature.
- Continuous dimming capability down to 1% on 0-10V controls.
- Fixture lumens per watt ratios up to 129.
- Lighting controls and sensors.
- Standard and custom corners.
- American Made.
- Power over Ethernet (PoE) enabled as an Igor Ecosystem Partner, wtec smartengine or Molex CoreSync.
- Tunable white feature for standard system or PoE system.

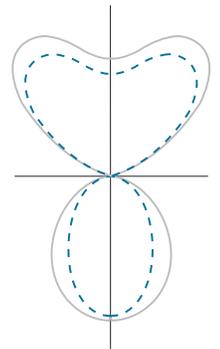


Performance

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

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	25	128.0
	500	45/55	3600	28	128.6
	625	40/60	4100	32	128.1
	825	35/65	4900	39	125.6
	1270	25/75	6680	53	126.0
500	400	55/45	3600	28	128.6
	500	50/50	4000	31	129.0
	625	45/55	4500	35	128.6
	825	40/60	5300	42	126.2
	1270	30/70	7080	56	126.4
625	400	60/40	4100	32	128.1
	500	55/45	4500	35	128.6
	625	50/50	5000	39	128.2
	825	45/55	5800	46	126.1
	1270	35/65	7580	60	126.3
825	400	70/30	4900	39	125.6
	500	65/35	5300	42	126.2
	625	60/40	5800	46	126.1
	825	50/50	6600	53	124.5
	1270	40/60	8380	67	125.1
1270	400	75/25	6680	55	121.5
	500	70/30	7080	58	122.1
	625	65/30	7580	62	122.3
	825	60/40	8380	69	121.4
	1270	50/50	10,160	83	122.4

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



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



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.

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MLH4-DI Series | LIGHTSTREAMS HEX

Architectural Linear LED Illuminating System | Suspended Hexagonal Profile Direct/Indirect

Ex: MLH4-DI-144-825-950-35K-HTA-BW-1%-2C-U-S1-EM12

Options

MLH4	DI			HTA	BW						
SERIES	MOUNTING	MODULE OR ROW LENGTH	LUMENS/ FT DIRECT	LUMENS/ FT INDIRECT	COLOR TEMP	DIFFUSER/ DIRECT	DIFFUSER/ INDIRECT	DRIVER	CIRCUITING	VOLTAGE	LIGHTING CONTROLS
MLH4 LightStreams ROUND	DI Direct/ Indirect Suspended	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.	400 500 625 825 1270	400 500 625 825 1200	30K 35K 40K 50K Upon Request TW 27K-65K 927K 930K 935K 940K	HTA High Transmission Acrylic	BW Batwing Indirect	1% 0-10V 1% Dimming SR Sensor Ready (Required for Certain Controls, Contact Factory) LDE1 Lutron Hi-Lume	1C Single Circuit 2C Dual Circuit Direct/Indirect	U Uni 120V-277V 1 120V 7 277V X As Specified	S1 Philips EasySense (SNS 210-Blue Tooth) S11 Enlighted Micro (SU5ECL) O8 Acuity/Sensor Switch (SFR7)
			HTA	BW	80 CRI			As Specified			No Option
			Custom Lumen Packages. Contact Factory.	Custom Lumen Packages. Contact Factory.	90 CRI			Igor Node as Specified		STANDBY MODULES*	CUSTOM PAINT COLORS
								smartengine as Specified		EM7 EM10 EM12	As Specified
								Molex as Specified		No Option	

*Available in modules of 4-ft. and longer. / Maximum 625 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 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.

Direct diffuser, perfectly matching the shape of the housing, is extruded from custom formulated high transmission white acrylic material. Allows maximum light transmission while eliminating pixilation and hot spots.

Indirect diffuser is a custom extruded batwing-type that spreads the light into two distinct side lobes. When projected onto the ceiling the results are a very consistent and wide spread of indirect illumination.

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.

PoE Nodes by Igor

All Igor nodes sized to fit as an integral component. Up to 75W maximum allows for one CAT5E wire per 8-ft. luminaire.

Factory programmable for custom drive currents offering desired lumen-per foot performances.

Dimmable down to 1%.

Nodes compatible with external sensors.

smartengine

Factory or field programmable for custom drive currents offering desired lumen-per foot performance.

Integrated smartsensor or an RJ45 whip for external smartsensor.

Tunable white option available.

Molex

CoreSync Smart LED Driver Series.

Integrates with the CoreSync PoE Gateway.

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.

Universal voltage input, 120V-277V, 50HZ-60HZ.

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

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.

Integral Lighting Controls

Various lighting controls and sensors are optional. Consult factory.

Corners

Standard 90-degree corners for inside or outside turns.

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.

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.merclgt.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.

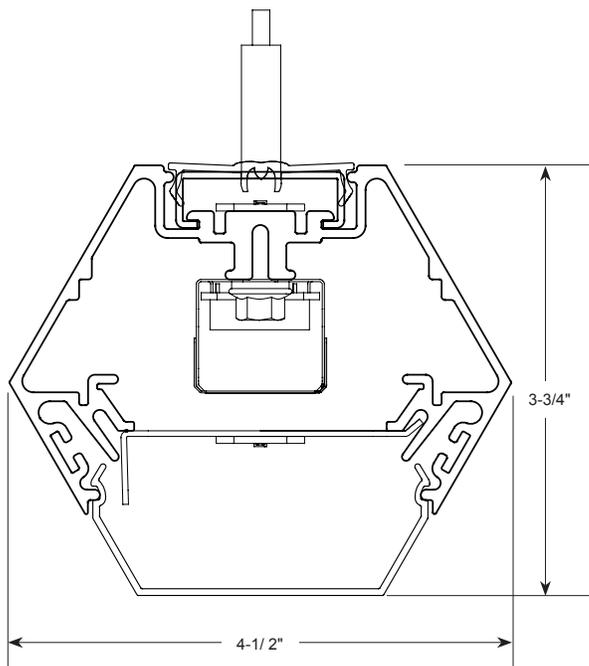
LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



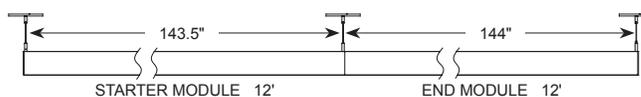
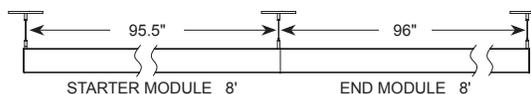
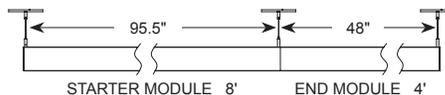
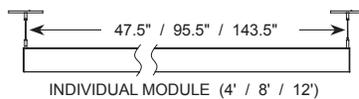
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Dimensional Data

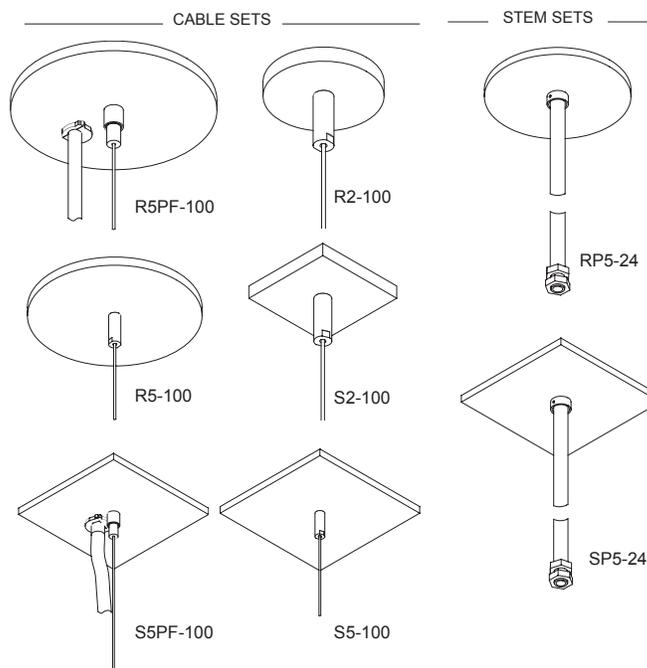


Mounting Information



Consult factory for additional row length information

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.



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