LIGHTSHAPES

MLS2-MSQ SERIES

### Architectural Linear LED Illuminating System | LIGHTSHAPES 2
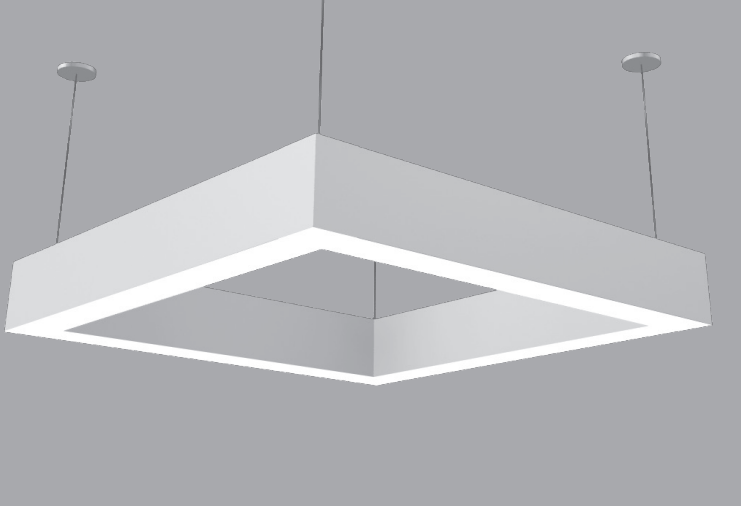
Features

- Fully illuminated square modules.
- Extruded aluminum housings and mitered corners for perfectly constructed squares of light.
- Narrow profile; 1-7/8-inch width.
- Standard squares of 24", 30", 35", and 46".
- Custom formulated high diffusion extruded acrylic lenses, mitered at the corners.
- Non-glare matte-white polyester powder coating finish.
- Cable mount from ceiling or direct surface mount.
- Cataloged standard or custom set lumen packages.
- 80 CRI standard. 90 CRI available.
- Dimming down to 1% on 0-10V controls.
- Fixture lumens per watt ratios up to 91.
- Lighting controls and sensors.
- Custom sizes and other shapes available.
- American Made.

Made in USA

## Cross Section (actual size)

3-1/2"

1-7/8"
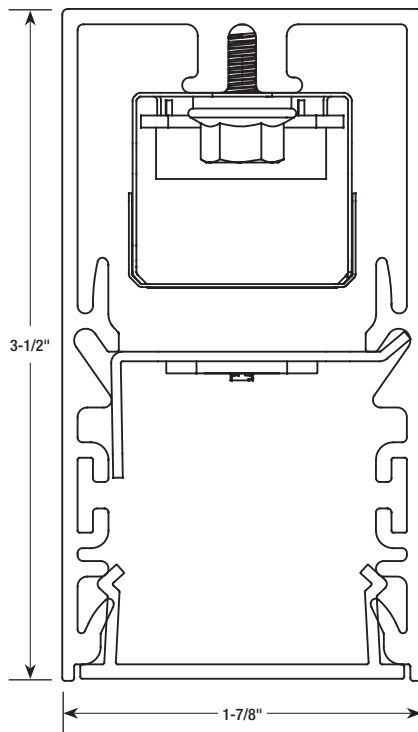
Performance

Based on 3500K, 80 CRI, HTA diffuser

Square Size	Nominal Lumen Package	Color	System Watts (W)	Delivered Lumens (L)	Lumens Per Watt (LPW)
24"	2700	35K	31	2700	87
	3000	35K	34	3000	88
	3300	35K	37	3300	89
	3600	35K	41	3600	88
30"	3300	35K	37	3376	91
	3700	35K	42	3749	89
	4100	35K	46	4124	90
	4500	35K	51	4500	88
35"	4000	35K	45	4053	90
	4500	35K	50	4499	90
	4900	35K	56	4951	88
	5400	35K	61	5401	89
46"	5400	35K	62	5400	87
	6000	35K	68	6000	88
	6600	35K	74	6600	89
	7200	35K	82	7200	88

MULTIPLIER For other Color Temp (K)

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

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

DELIVERING UP TO 91 LUMENS PER WATT

MERCURY ARCHITECTURAL LIGHTING
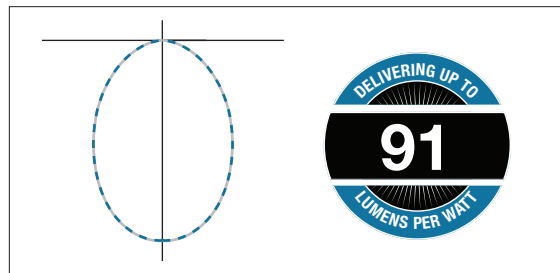
fixture type:

job information:

Specifications subject to change, consult factory when critical.

MLS2-MSQ Series | LIGHTSHAPES 2
Architectural Linear LED Illuminating System | Square Modules – Suspended or Surface Mount

Ex: MLS2-MSQ-24-3600-35K-HTA-1%-U

Options

MLS2	-	-	-	-	-	-	-	-	-	-	-	-

Series	Mounting	Square Description	Nominal Lumens	Color Temp	Diffuser	Driver	Voltage	Standby Modules	Lighting Controls	Custom Hanging Points	Custom Paint Colors	Misc.
MLS2 Lightshapes 2	**MSQ** Square Suspended Mount **MSQ1** Square Surface Mount	**24** 24" X 24" Square **30** 30" X 30" Square **35** 35" X 35" Square **46** 46" X 46" Square Custom Sizes	**24" HTA:** 2700, 3000, 3300, 3600 **30" HTA:** 3300, 3700, 4100, 4500 **35" HTA:** 4000, 4500, 4900, 5400 **46" HTA:** 5400, 6000, 6600, 7200 Custom Lumen Packages. Lumen Packages with ASO diffuser. Contact Factory.	**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	___ Consult Factory	**S1** Philips EasySense **S2** Magnum M9 (Dali) **S5** Enlighted (C2-D2) ___ No Option	As Specified	As Specified	**WL** UL "Suitable for Wet Locations" labeled.

Housings

Extruded aluminum profile in a 0.080-inch wall thickness.

Computer-controlled cutting and TIG welding for zero-tolerance mitered corners.

A one-piece 14GA galvanized steel joiner/aligner bracket is also provided for each corner.

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.

Standard diffuser: extruded from custom formulated high transmission white acrylic material. Allows maximum light transmission while eliminating pixilation and hot spots.

Optional 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.

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 lumen package offerings. Upon request, custom drive current outputs and lumen package options are available.

Note: Certain cataloged lumen package 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
Consult factory for full details.

Integral Lighting Controls
Various lighting controls and sensors are optional. Consult factory.

Installations
Designed to be suspended on cables. Specify **MSQ**

For direct surface mounting to most ceiling types, specify **MSQ1** and consult factory.

All square modules 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.

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

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.
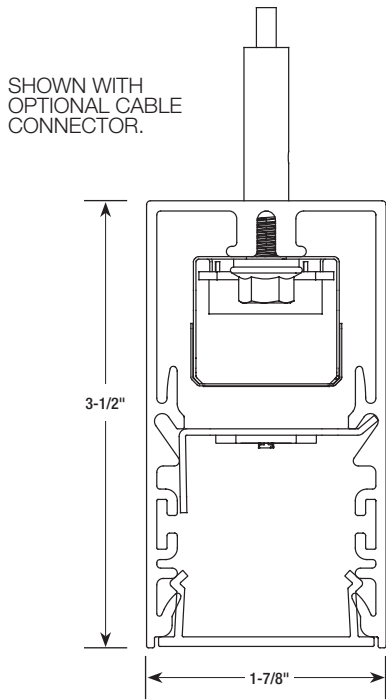
Hanging Accessories

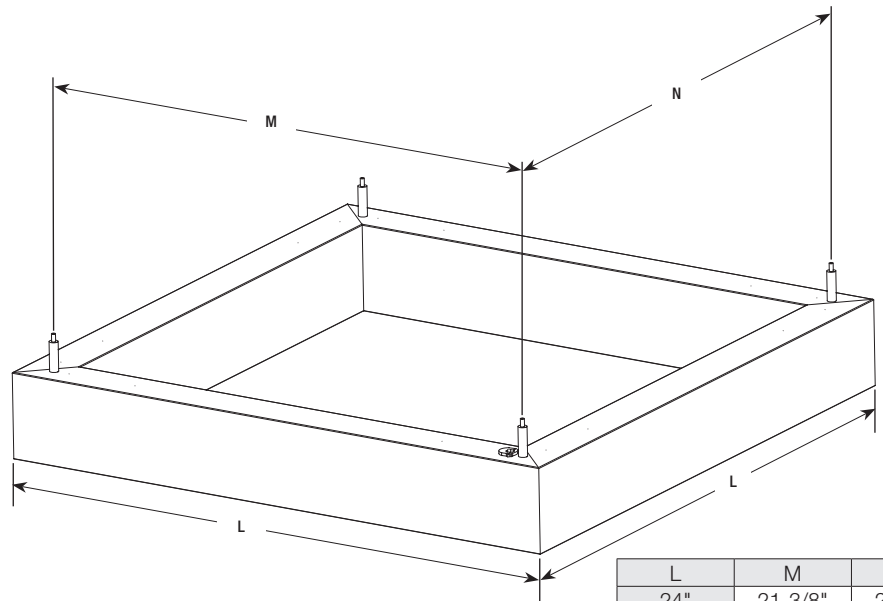| Part #	Description
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" 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.

Other cable lengths available.

MERCURY ARCHITECTURAL LIGHTING

Specifications subject to change, consult factory when critical.

Dimensional Data

SHOWN WITH
OPTIONAL CABLE
CONNECTOR.

3-1/2"

1-7/8"

Mounting Information

M

N

L

L

L = 24", 30", 35", or 46"

L	M	N
24"	21-3/8"	22-1/8"
30"	27-3/8"	28-1/8"
35"	32-3/8"	33-1/8"
46"	43-3/8"	44-1/8"

Hanging Accessories

R5PF-100

R2-100

S5PF-100

S2-100

R5-100

S5-100

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