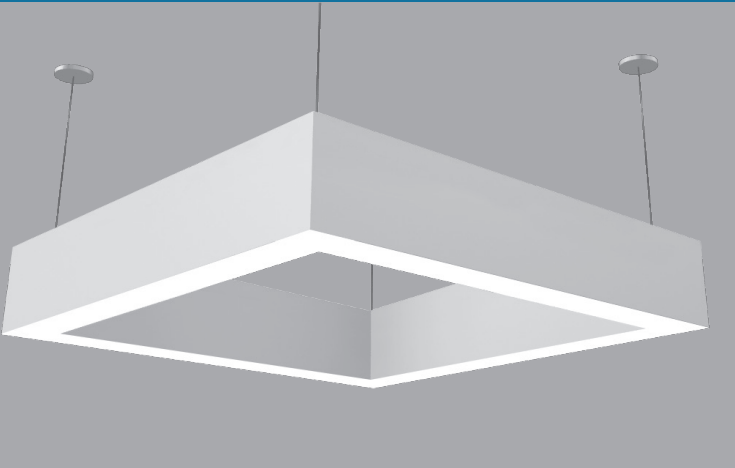


LIGHTSHAPES

MLS2-DISQ SERIES

SQUARE MODULES SUSPENDED DIRECT/INDIRECT

Architectural Linear LED Illuminating System | LIGHTSHAPES 2

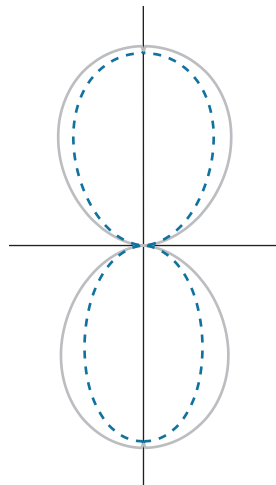
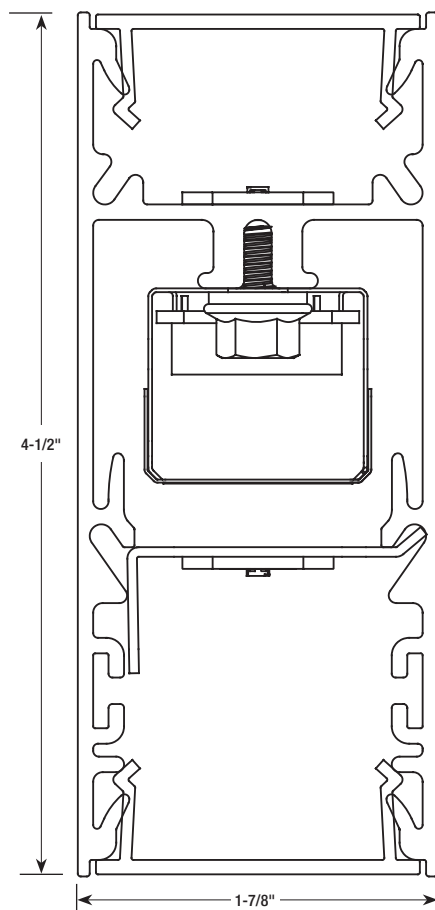


Features

- Fully illuminated square modules.
- Dual directional illumination. Direct downlighting and indirect uplighting.
- 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.
- Cataloged standard or custom set lumen packages.
- 80 CRI standard. 90 CRI available.
- Fixture lumens per watt ratios up to 111.
- Lighting controls and sensors.
- Custom sizes and other shapes available.
- American Made.



Cross Section (actual size)



Performance

Based on 3500K, 80 CRI, HTA diffuser

Multiplier for other Color Temp (K)

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

SQUARE SIZE	Nominal DIRECT Lumen Package	Nominal INDIRECT Lumen Package	Color	System Watts DIRECT (W)	System Watts INDIRECT (W)	Delivered Lumens DIRECT (L)	Delivered Lumens INDIRECT (L)	Lumens Per Watt DIRECT (LPW)	Lumens Per Watt INDIRECT (LPW)
24"	2700	2700	35K	31	25	2700	2702	87	108
	3000	3000	35K	34	28	3000	3002	88	107
	3300	3300	35K	37	31	3300	3303	89	107
	3600	3600	35K	41	37	3600	3603	88	97
30"	3300	3300	35K	37	30	3376	3302	91	110
	3700	3700	35K	42	34	3749	3718	89	109
	4100	4100	35K	46	38	4124	4107	90	108
	4500	4500	35K	51	41	4500	4511	88	110
35"	4000	4000	35K	45	36	4053	4001	90	111
	4500	4500	35K	50	41	4499	4511	90	110
	4900	4900	35K	56	45	4951	4915	88	109
	5400	5400	35K	61	50	5401	5405	89	108
46"	5400	5400	35K	62	50	5400	5404	87	108
	6000	6000	35K	68	56	6000	6004	88	107
	6600	6600	35K	74	62	6600	6606	89	107
	7200	7200	35K	82	74	7200	7206	88	97

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



fixture type:

job information:

MLS2-DISQ Series | LIGHTSHAPES 2

Architectural Linear LED Illuminating System | Square Modules – Suspended Direct/Indirect

Ex: MLS2-DISQ-24-3600-3600-35K-HTA-AXX-U

										Options									
MLS2	DISQ																		
Series	Mounting	Square Description	Lumens Direct	Lumens Indirect	Color Temp	Diffuser	Driver	Voltage	Standby Modules	Lighting Controls	Custom Hanging Points	Custom Paint Colors							
MLS2 Lightshapes 2	DISQ Direct/ Indirect Square Suspended	24 24" X 24" Square	2700 3000 3300 3600	2700 3000 3300 3600	80 CRI 50K Upon Request	HTA High Transmission Acrylic ASO Acrylic Smooth Opal (Performance is reduced with this diffuser)	AXX Factory Selected Driver/ Default	U Uni 120V-277V 1 120V 7 277V X As Specified	Consult Factory	S1 Philips EasySense S2 Magnum M9 (Dali) S5 Enlighted (C2-D2) O8 Sensor Switch (SFR7) O10 WattStopper (FS355) No Option	As Specified	As Specified							
		30 30" X 30" Square	3300 3700 4100 4500	3300 3700 4100 4500															
		35 35" X 35" Square	4000 4500 4900 5400	4000 4500 4900 5400															
		46 46" X 46" Square	5400 6000 6600 7200	5400 6000 6600 7200															
		Custom Sizes	5400 6000 6600 7200	5400 6000 6600 7200															
			Custom Lumen Package. Contact Factory	Custom Lumen Package. Contact Factory	90 CRI 927K 930K 935K 940K														

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.

Standby Lighting Options

Consult factory for full details.

Integral Lighting Controls

Various lighting controls and sensors are optional.

Full specifications, [click here](#).

Installations

Designed to be suspended on cables.

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.

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.mercitg.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.

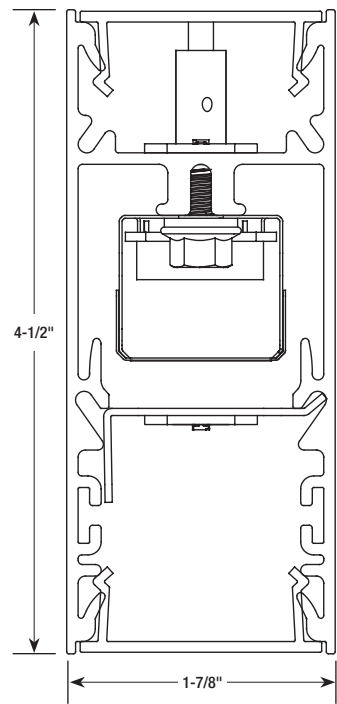
Hanging Accessories

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.

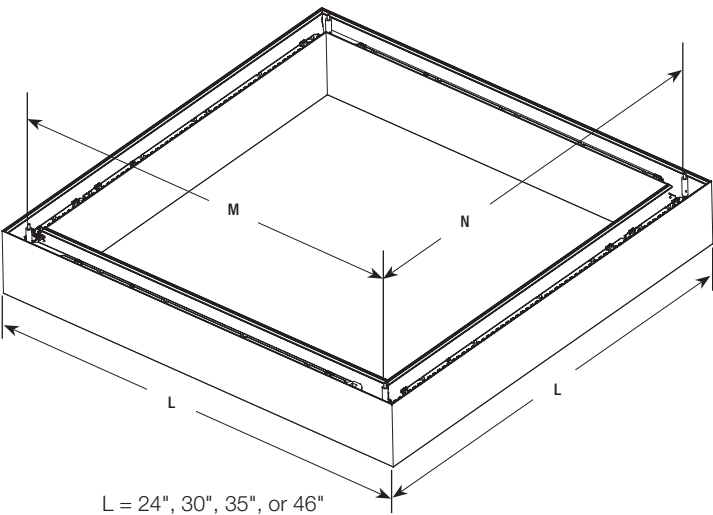


Dimensional Data



Mounting Information

Upper diffusers not shown here.



L	M	N
24"	21-1/2"	22-1/8"
30"	27-1/2"	28-1/8"
35"	32-1/2"	33-1/8"
46"	43-1/2"	44-1/8"

Hanging Accessories

