

ESSENTIALS

LRW-M SERIES

THREE-PLANE OPTICAL DIFFUSER SYSTEM ARCHITECTURAL SURFACE LED LUMINAIRE

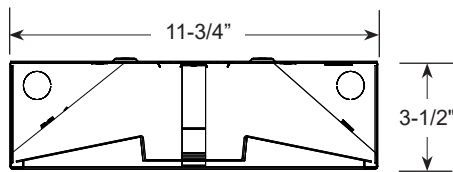
Architectural Surface Module LED Luminaire | ESSENTIALS



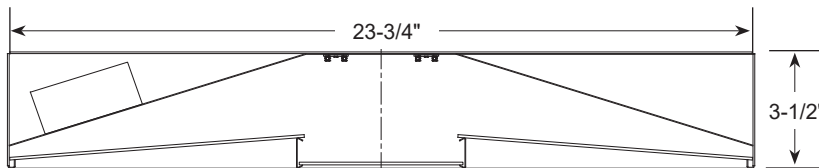
Features:

- Performance-designed surface module LED luminaire.
- For use where recessing is not possible or desirable, or when high ceilings necessitates suspending down to reasonable heights.
- Engineered single-piece three-plane optical diffuser system.
- Center diffuser section is illuminated by the LED light source while gently sloping illuminated side panels add depth and character.
- Fully illuminated module offers maximum light transmission while eliminating pixilations and hot spots.
- Delivers a balanced amount of horizontal and vertical illumination.
- Digital LED technology provides high efficacy and energy efficiency.
- CRI greater than 80.
- Delivers up to 129 lumens per watt.
- Color temps: 3000K, 3500K or 4000K.
- Dimming down to 1% on 0-10V controls.
- Available module sizes: 2X2, 2X4 and 1X4.

Cross Section



1X4 END VIEW



2X2 & 2X4 END VIEW

Lumen Package

Based on 3500K, 80 CRI

Series	Module Size	Nominal Lumens	Watts	Fixture LPW	
LRW-M	1X4	3450	27	128	
		4000	31	129	
	2X2	3700	29	127	
		5200	42	122	
	2X4	4000	31	129	
		5200	40	128	
		7400	58	127	
			9200	75	120

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

Actual wattage may differ by +/- 5% when operating between 120V-277V +/- 10%.

Photometrics

All photometric reports are available at www.mercltg.com.



Fixture Type		Job Information	
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LRW-M Series | ESSENTIALS

Architectural Surface Module LED Luminaire | Three-Plane Optical Diffuser System

Ex: LRW-22M-3700-35K-1%-UNI-EM7

LRW				Options		
SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DRIVER	VOLTAGE	STANDBY LIGHTING
LRW	14M 1X4 Surface Module	1X4 3450	80 CRI 30K 35K 40K	1% 0-10V 1% Dimming	UNI	EM7 EM10 EM12 Contact Factory No Option
		4000				
	22M 2X2 Surface Module	2X2 3700	90 CRI 927K 930K 935K 940K	As Specified		
		5200				
24M 2X4 Surface Module	4000	Custom Lumen Package. Contact Factory				
	5200 7400 9200					

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: 3000K, 3500K and 4000K.

LED Drivers

Factory programmable constant current LED power supply.

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

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

Housing

All metal parts are fabricated in a computer-controlled operation from heavy gauge code grade cold rolled steel.

Rivets hold all parts together for strength and unity.

A custom formulated non-glare white powder coating is applied to the housing after fabrication providing a reflectivity of at least 90%.

Diffuser

Single-piece frosted polycarbonate diffuser.

Decorative rails highlight the transition from center to sloping sections.

Standby Lighting Option

Self-contained module, 7W, 10W or 12W as specified. Battery backup upon loss of power. Contact factory for all details.

Installations

Designed for surface mounting direct to most ceiling types.

May be suspended on auxiliary hanging hardware.

Sufficient knockouts are provided on the back of the housing for all electrical connections.

Blind knockouts on the ends of the surface conduit entry.

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. Complete LED warranty terms available at www.mercltg.com.

Actual performance may differ as a result of end-user environment and application.

