

## LMRU1

### Applications

Designed specifically for the [LDRM1](#) fixture, the modular LED light engine allows you to easily upgrade light distribution, lumen output, efficacy or color temperature.



PATENT | PENDING

### Features

- Keep pace as technology improves or application requirements change such as color temperature and light distribution
- Quick replacement of existing module in the field
- Light weight, powder coated white design
- LMRU1 module kit installs into existing LDRM1 fixture housing with latching clip system
- Matte finish acrylic contour lens provides glare diffusion in the work environment

### Certification & Listings

- UL Classified
- Patent Pending
- DesignLights Consortium™ Premium qualified when installed in an existing [LDRM1](#) unit
- Visit the DLC QPL for listed models

### Electrical

- Available in 120-277v
- Hardwired fixture
- Full Dimming (0-10v) and step dimming options are available
- Lutron® dimming drivers require an existing Lutron® control system

### Ambient Operating Range

-4°F to 113°F [-20°C to 45°C]

### Rated Life

125,000 hours per L70 TM-21 @ 25°C

### Warranty

Orion LED ISON™ class is covered by a ten-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties.

### Ordering Information Example

Series	Nominal Lumens	Voltage	Driver Type	CRI; Color Temp.	Lens Material
<b>LMRU1</b>	<b>D1</b>	<b>UNV</b>	<b>FDXX</b>	<b>835</b>	<b>M</b>

### Ordering Information

Series	Nominal Lumens	Voltage	Driver Type	CRI; Color Temp.	Lens Type
<b>LMRU1</b> = LED Modular Retrofit Upgrade, Gen 1	<p><b>2 ft.</b></p> <p><b>A1</b>= 2000lm <b>B1</b>= 4000lm</p> <p><b>4 ft.</b></p> <p><b>D1</b>= 3000lm <b>E1</b>= 4000lm <b>F1</b>= 6000lm<sup>1</sup> <b>G1</b>= 8000lm<sup>1</sup></p>	<b>UNV</b> = 120-277v	<p><b>FD50</b>= Step Dimming 50%<sup>5</sup></p> <p><b>FDXX</b>= Full Dimming 0-10v<sup>2,3</sup></p> <p><b>FDHB</b>= Lutron H-series dim to 1%, Fade to Black<sup>4</sup></p> <p><b>FDH1</b>= Lutron Hi-lume dim to 1%<sup>1,4</sup></p> <p><b>FDH2</b>= Lutron Hi-lume dim to 1% 2wire 120v<sup>1,4</sup></p> <p><b>FDH3</b>= Lutron Hi-lume dim to 1% 3wire 120-277v<sup>1,4</sup></p> <p><b>FD55</b>= Lutron 5-series dim to 5%<sup>4</sup></p>	<p><b>835</b>= 80CRI, 3500K</p> <p><b>840</b>= 80CRI, 4000K</p> <p><b>850</b>= 80CRI, 5000K</p>	<b>M</b> = Opaque Matte

### Performance Information<sup>6</sup>

Series	Lumen Code	Nominal Lumens	Fixture Size	Lumens Per Watt	Light Output	CCT	CRI	Input Voltage	Input Power [watts]	Input Current	Power Factor
LMRU1= LED Modular Retrofit Upgrade Gen 1	A1*	2000lm	2 ft	104	2182lm	4000K	≥80	120	21	0.18 A	>0.99
	B1*	4000lm	2 ft	103	3617lm	4000K	≥80	120	35	0.29 A	>0.99
	D1*	3000lm	4 ft	107	3097lm	4000K	≥80	120	29	0.24 A	>0.99
	E1	4000lm	4 ft	126	4157lm	4000K	≥80	120	33	0.28 A	>0.99
	F1	6000lm	4 ft	118	5541lm	4000K	≥80	120	47	0.39 A	>0.99
	G1	8000lm	4 ft	123	7744lm	4000K	≥80	120	63	0.53 A	>0.99

\*A1, B1 and D1 meet DLC standard. For more information, visit [www.designlights.org](http://www.designlights.org).

### Physical Information

Size	Length	Width	Depth <sup>7</sup>	Weight <sup>7</sup>
4'	45.20"	3.90"	2.60"	≈ 2.2 lbs
2'	22.75"	3.90"	2.60"	≈ 2.0 lbs

### Additional Specification Information

<sup>1</sup> F1 and G1 lumen packages options are not available with FDH1, FDH2 and FDH3 driver types

<sup>2</sup> FDXX 0-10v driver configurations are compatible with most third party control systems

<sup>3</sup> "XX" in part number is a character placeholder for the manufacturing configuration

<sup>4</sup> Lutron® dimming drivers require an existing Lutron® control system

<sup>5</sup> FD50 (step dimming) option requires two separate hot leads per fixture

<sup>6</sup> Actual performance may vary by up to +10% of values listed

<sup>7</sup> Depth and weight varies by model; dependent on driver selection