LR5 SERIES

Architectural Recessed 1X4 LED Volume Luminaire

Fixture Type: _____

Job Information: _____

_____

_____

SPECIFICATIONS:

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.
- Upon request: 5000K.

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 packages are available.
- Note: Certain cataloged lumen packages 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.

LED LUMEN PACKAGES:

- Cataloged standard lumen packages. See attached chart for full details.
- Custom lumen packages pre-set are optional with programmable drivers only. Contact factory for details.

HOUSINGS:

- 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:

- Architecturally squared-shape profile design.
- Extruded from custom formulated high transmission acrylic material.
- Linear ribbing for high LED performance.

STANDBY LIGHTING OPTION:

- Self contained module, 5W, 7W, 10W or 12W as specified. Battery backup upon loss of power.
- May not be available with some higher lumen packages. See Lumen package matrix.

INSTALLATIONS:

- Designed for installation into NEMA Type G lay-in acoustical grid ceiling systems, 1" grid or 9/16" fine-line grid.
- For NEMA Type F dry wall applications an additional flange kit must be used with Type G housing.
- Four pry-out style grid support clips are located on the housing sides.
- Four auxiliary suspension points are also provided for securing to building structure.
- A quick wiring access plate is located on back of the housing. Additional knockouts provided.
- Factory installed power whips as specified.

CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:

- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.
- IC rated. (Some higher lumen packages may not qualify. See Lumen Package matrix).
- DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Check at www.designlights.org/QPL to confirm.

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.

FEATURES:

- Shallow recessed 1X4 ambient LED luminaire featuring a single linear high transmission acrylic diffuser.
- Architecturally-squared shape diffuser envelopes the LED light source allowing 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.
- Multiple power and light levels are offered as standard to allow meeting design and energy needs per application. Custom factory set levels available on request.
- Lumen maintenance; Reported L70 (hours) & L80 (hours) > 60,000.
- CRI greater than 80.
- Fixture lumens per watt ratios up to 125.
- American Made.
- Matching surface luminaire: LW5 Series.

LED lighting facts LED Product Partner

DLC QPL LISTED

DELIVERING UP TO 125 LUMENS PER WATT

MERCURY LIGHTING PRODUCTS CO. INC.

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www.mercltg.com

LR5 SERIES

Fixture Type: _____ **Job Information:** _____

ORDERING DATA: Fill in boxes below with corresponding bold options.

Example: LR5-14G-6400-35K-1%-UNI-EM7

SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DRIVER	VOLTAGE	STANDBY LIGHTING OPTIONS	OPTIONS
LR5	14G				UNI		

- **LR5** — SERIES
- **14G** — 1X4 Module/ Nema Type G/Lay-In Grid,1" or 9/16" Fine Line.
- **NOMINAL LUMENS:** 3300, 3800, 4200, 4500, 5000, 6400, 7300, **XXXX** Custom Lumen Package. Contact Factory.
- **COLOR TEMP:** 30K, 35K, 40K, **50K** Upon Request
- **1%** — 0-10V 1% Dimming. As Specified
- **UNI** — VOLTAGE
- **STANDBY LIGHTING OPTIONS:** EM5, EM7, EM10, EM12
- **OPTIONS:** **FLX** 6Ft. Single Circuit Power Flex (Specify Voltage); **FLX2** 6Ft. 2-Circuit Power Flex (Specify Voltage)

LUMEN PACKAGE

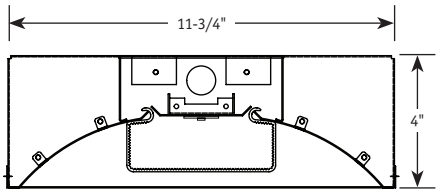
SERIES	MODULE SIZE	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	IC Rated	Standby Lighting Option	DLC Listed
LR5	1X4								
		3300	3000K	28	3203	116	✔	✔	✔
		3300	3500K	28	3253	118	✔	✔	✔
		3300	4000K	28	3354	121	✔	✔	✔
		3300	5000K	28	3455	125	✔	✔	✔
		3800	3000K	32	3634	113	✔	✔	✔
		3800	3500K	32	3691	115	✔	✔	✔
		3800	4000K	32	3805	119	✔	✔	✔
		3800	5000K	32	3919	122	✔	✔	✔
		4200	3000K	37	4055	111	✔	✔	✔
		4200	3500K	37	4119	113	✔	✔	✔
		4200	4000K	37	4247	116	✔	✔	✔
		4200	5000K	37	4374	120	✔	✔	✔
		4500	3000K	40	4362	109	✔	✔	✔
		4500	3500K	40	4431	111	✔	✔	✔
		4500	4000K	40	4568	114	✔	✔	✔
		4500	5000K	40	4705	118	✔	✔	✔
		5000	3000K	45	4821	107	✔	✔	✔
		5000	3500K	45	4897	108	✔	✔	✔
		5000	4000K	45	5048	112	✔	✔	✔
		5000	5000K	45	5200	115	✔	✔	✔
		6400	3000K	57	6128	107	–	✔	–
		6400	3500K	57	6224	109	–	✔	✔
		6400	4000K	57	6416	112	–	✔	✔
		6400	5000K	57	6609	115	–	✔	✔
		7300	3000K	61	6940	114	–	✔	–
		7300	3500K	61	7014	115	–	✔	–
		7300	4000K	61	7309	120	–	✔	–
		7300	5000K	61	7383	121	–	✔	–

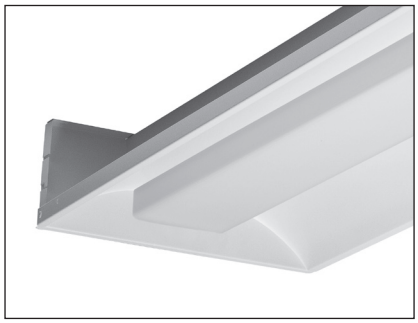
Actual wattage may differ by +/- 5% when operating between 120V-277V +/- 10%.

PHOTOMETRICS:

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

CROSS SECTIONS:





Detail

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