LR2T SERIES

Architectural Recessed 2X2 LED Volume Luminaire Twin Diffuser Style

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.
- 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.

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%.

DIFFUSERS:
- Architecturally-curved profile design.
- Extruded from custom formulated high transmission acrylic material.
- Linear ribbing for high LED performance.

STANDBY LIGHTING BATTERY BACKUP:
- 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:

- Ultra-shallow recessed 2X2 ambient LED luminaire featuring twin linear high transmission acrylic diffusers.
- Each architecturally-curved diffuser envelopes the LED light source allowing maximum light transmission while eliminating pixilations and hot spots.
- Twin diffusers spread the light output offering a softer and more visually comfortable illuminated luminaire.
- Delivers a balanced amount of horizontal and vertical illumination to the surrounding environment.
- 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 120.
- American Made.
- Matching surface luminaire: LW2 Series.

MERCURY LIGHTING

PRODUCTS CO. INC.

Fixture Type: _____

Job Information: _____

_____

_____

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

Example: LR2T-22G-3000-35K-1%-UNI-EM7

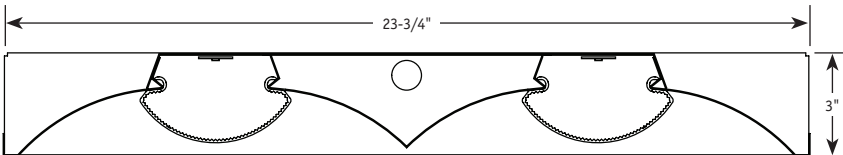| SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DRIVER	VOLTAGE	STANDBY LIGHTING OPTIONS	OPTIONS
LR2T	**22G** 2X2 Module/ Nema Type G/Lay-In Grid,1" or 9/16" Fine Line.	**3000** **4200** **5200** **6400** **7000** **10000** **XXXX** Custom Lumen Package. Contact Factory.	**30K** **35K** **40K** **50K** Upon Request	**1%** 0-10V 1% Dimming ___ As Specified	**UNI**	**EM5** **EM7** **EM10** **EM12**	**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
LR2T	2X2								
		3000	3000K	28	2897	105	✔	✔	–
		3000	3500K	28	2942	107	✔	✔	✔
		3000	4000K	28	3033	110	✔	✔	✔
		3000	5000K	28	3124	113	✔	✔	✔
		4200	3000K	37	4055	111	✔	✔	✔
		4200	3500K	37	4119	113	✔	✔	✔
		4200	4000K	37	4247	116	✔	✔	✔
		4200	5000K	37	4374	120	✔	✔	✔
		5200	3000K	47	4972	106	✔	✔	✔
		5200	3500K	47	5050	107	✔	✔	✔
		5200	4000K	47	5206	111	✔	✔	✔
		5200	5000K	47	5362	114	✔	✔	✔
		6400	3000K	58	6160	107	✔	✔	✔
		6400	3500K	58	6257	108	✔	✔	✔
		6400	4000K	58	6450	112	✔	✔	✔
		6400	5000K	58	6644	115	✔	✔	✔
		7000	3000K	62	6689	108	–	–	–
		7000	3500K	62	6794	110	–	–	–
		7000	4000K	62	7004	113	–	–	–
		7000	5000K	62	7214	117	–	–	–
		10,000	3000K	90	9555	106	–	–	–
		10,000	3500K	90	9716	108	–	–	–
		10,000	4000K	90	10,037	112	–	–	–
		10,000	5000K	90	10,338	115	–	–	–

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

PHOTOMETRICS:

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

CROSS SECTION:

23-3/4"

3"

Detail

SPECIFICATIONS SUBJECT TO CHANGE, **05/18**
CONSULT FACTORY WHEN CRITICAL.