

LLR2T SERIES

ARCHITECTURAL RECESSED
2X2 LED VOLUME LUMINAIRE TWIN DIFFUSER STYLE

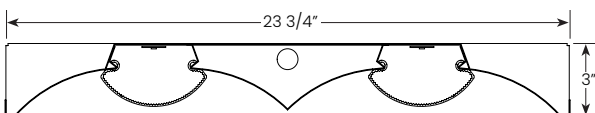


Detail

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.

CROSS SECTIONS



Fixture type:	Job information:
<input type="text"/>	<input type="text"/>

LUMEN PACKAGE

MODULE SIZE 2x2

Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	IC Rated	Standby Lighting Option
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	✓	✓
7500	3000K	65	7356	113	-	-
7500	3500K	65	7435	114	-	-
7500	4000K	65	7748	119	-	-
7500	5000K	65	7826	120	-	-

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



LR2T SERIES

ARCHITECTURAL RECESSED
2X2 LED VOLUME LUMINAIRE TWIN DIFFUSER STYLE



PRODUCT DEFINITION SHEET

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



1	2	3	4	5
SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DRIVER
<input type="checkbox"/> LR2T	<input type="checkbox"/> 22G 2X2 Module/Nema Type G/Lay-In Grid, 1" or 9/16" Fine Line.	<input type="checkbox"/> 3000 <input type="checkbox"/> 4200 <input type="checkbox"/> 5200 <input type="checkbox"/> 6400 <input type="checkbox"/> 7500 Custom Lumen Package Contact Factory	<input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K Upon Request	<input type="checkbox"/> 1% 0-10V 1% Dimming <input type="checkbox"/> - As specified

6	7	8
VOLTAGE	STANDBY MODULES	OPTIONS
<input type="checkbox"/> UNI 120 VAC-277 VAC	<input type="checkbox"/> EM5 <input type="checkbox"/> EM10 <input type="checkbox"/> EM12	<input type="checkbox"/> FLX 6Ft. Single Circuit Power Flex (Specify Voltage) <input type="checkbox"/> FLX2 6Ft. 2-Circuit Power Flex (Specify Voltage)

LLR2T SERIES

ARCHITECTURAL RECESSED 2X2 LED VOLUME LUMINAIRE TWIN DIFFUSER STYLE



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 computercontrolled operation from heavy gauge code grade cold rolled steel.
- Rivets and/or spot welds hold all parts 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, 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).

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 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.

PHOTOMETRICS

- All photometrics reports are available at www.mercltg.com