



RLS Recessed Linear Slot Series

Sophisticated Architectural Lighting



DESCRIPTION

The RLS Recessed Luminaire adds a truly unique, seamless and sophisticated look to any project requiring an easy to install, upscale lighting unit. The RLS lighting system is flexible in its design, making it the perfect choice for high-end hotel lobbies, offices, universities, and retail spaces.

OPTICAL SYSTEM

- High transmission snap-in impact-resistant diffuse acrylic lens eliminates bright spots from individual LEDs and provides high vertical illumination and visual comfort.
- Available in 5000K, 4000K, 3500K, and 3000K color temperatures.
- Minimum CRI of 82.

ELECTRICAL

- 0-10V dimming (1% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High voltage (347 Vac).
- L70 Calculated Life: >100k Hours
- Power factor: >.95
- Factory pre-wired to section ends with quick-wire connectors
- Optional 120-277V 12W integral emergency battery pack is available to meet critical life-safety lighting requirements.



2ft



4ft



5ft



6ft



8ft



2x2ft
Horizontal
Corner



2x2ft
Vertical-Out
Corner



2x2ft
Vertical-In
Corner



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CONSTRUCTION

- Rigid extruded aluminum housing for consistency and strength.
- End plates are pre-painted white 20-gauge cold rolled steel.
- Available in 2', 3', 4', 5', 6', and 8' sections for individual or continuous row mounting. Consult Factory for custom length.
- Transition from ceiling to wall seamlessly with manufactured corners and clean lines.
- Luminaire is proudly made in the U.S.
- Weight: 3lbs/ft

INSTALLATION

- Mounting options include both Drywall and T-Grid.

WARRANTY

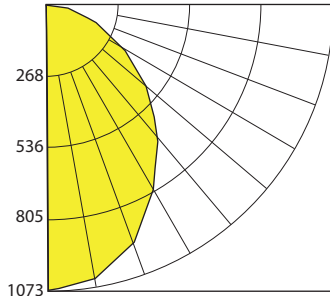
- LSI LED Fixtures carry a 5-year warranty.

PHOTOMETRICS

3RLS 4 LED 06L LF XX 40 WH

See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.

ZONE	LUMENS	% OF LUMINAIRE
0-30	781.0	31%
0-40	1,239.3	49.2%
0-60	2,063.3	81.9%
60-90	455.9	18.1%
70-100	184.1	7.3%
90-120	0	0%
0-90	2,519.3	100%
90-180	0	0%
0-180	2,519.3	100%

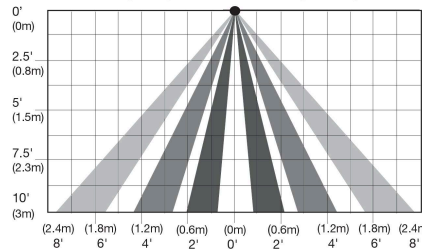


PERFORMANCE

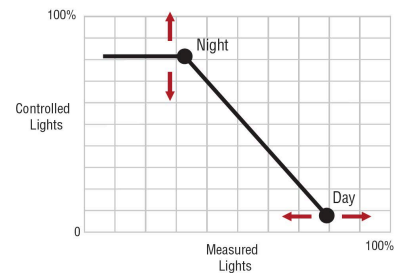
DELIVERED LUMENS - PER FOOT*						
SIZE	OUTPUT	3000K	3500K	4000K	5000K	WATTAGE
3"	06L	604	613	634	653	5.7
	10L	919	934	965	993	8.7
	11L	1,078	1,095	1,132	1,165	10.4
	13L	1,222	1,242	1,283	1,321	12.0
4"	06L	630	640	662	681	5.7
	10L	962	979	1,010	1,040	8.7
	11L	1,127	1,147	1,184	1,220	10.4
	13L	1,280	1,300	1,344	1,383	12.0

*LED Chips are frequently updated therefore values may increase.

Occupancy Sensor Coverage Diagram



Daylight Sensor Control Algorithm



DAYLIGHT SENSOR

Optional integral daylight sensor uses a sliding setpoint control algorithm, meaning it has separate night and day setpoints that represent the desired photocell signal under that condition. To determine the correct dimming level for any given photocell reading, it calculates the level based on the slope of the line between the two setpoints. The result is accurate dimming that maintains the task illumination.

OCCUPANCY SENSOR

Optional integral passive infrared occupancy sensor activates switching of luminaire light levels. Standard Factory settings: Light is activated and increased to full bright upon detection of motion. Light is turned off when target zone is absent of motion activity for ~30 minutes.

MOUNTING

Drywall - Flange (F)

Drywall - Flangeless (FL)

T-Grid - 9/16" Tegalur/Lay-in

T-Grid - 15/16" Tegalur/Lay-in

T-Grid - 9/16" Slot

