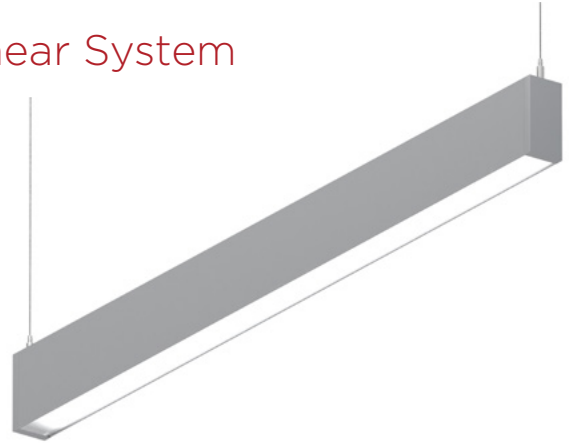




R Series - 2RDI

2" Suspended Direct/Indirect Lighting Linear System



OVERVIEW

Lumen Range	350 - 1,000 (Direct and Indirect)
CCT	3000K, 3500K, 4000K, 5000K
Wattage Range	13 - 38 (Direct) 11 - 30 (Indirect)
Efficacy Range (LPW)	104 - 111 (Direct) 133 - 136 (Indirect)
Weight lbs (kg)	2.2 lbs/ft (1 kg/ft)

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rigid extruded aluminum housing for consistency and strength
- Die Cast Aluminum End Caps
- Available in varying lengths from 2' to 8' for individual or continuous row mounting
- Seamlessly create a variety of shapes with straight and corner units
- Housing is treated with phosphate rust inhibitor and painted with textured powder coat paint.
- Manufactured in the USA

Optical System

- High transmission snap-in impact resistant diffuse acrylic lens
- Minimum CRI of 82

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 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 (See Lumen Maintenance Chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F)

- Power factor: >.95
- Input power stays constant over life.
- 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. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed beneath the snap in lens mounted to the reflector.

Controls

- Optional integral passive infrared occupancy sensor available
- Optional integral daylight harvesting sensor available

Installation

- Quick connect harness to attach fixtures in continuous rows
- Hanger bracket to provide hanging support between fixtures
- Alignment guides to ensure proper alignment from fixture to fixture
- Power access on top of fixtures
- Single point adjustable length 1/16" diameter cable for mounting to suspended or hard ceilings
- Stem mounting option available

- 5" diameter powder coated steel canopy for power feed locations
- 2" diameter powder coated steel canopy for non-feed locations

Warranty

- Complete warranty terms located at: <https://www.lsi-industries.com/resources/terms-and-warranty.aspx>.
- 1 Year warranty on optional Battery Backup. Test regularly in accordance with local codes.

Listings

- List for UL 1598 and UL 8750
- RoHS Compliant
- Suitable for damp locations
- BAA/TAA compliant
- State of California Title 24





ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: **2RDI 4 LED 06L LF UE 40 WHT**

Prefix	Length	LED Technology	Direct Lumens (Per Foot)	Indirect Lumens (Per Foot)	Lens	Voltage	Color Temperature	Position	Indirect Distribution
2RDI - 2"	2 - 2' Length ¹ Width	LED	3L - 350 Lumens 5L - 500 Lumens 7L - 700 Lumens 10L - 1,000 Lumens	3L - 350 Lumens 5L - 500 Lumens 7L - 700 Lumens 10L - 1,000 Lumens	LF - Frosted Diffuse	UE - Universal Voltage (120V-277V) HV - High Voltage (347V)	27 - 2700K ² 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K ²	S - Starter (1 SFK, 1 NFK, & 1 End Cap) J - Joiner (1 NFK) E - Ender (1 NFK & 1 End Cap) I - Individual (1 SFK, 1 NFK, & 2 End Cap) *Note SFK - Starter Feed Kit NFK - Non-Feed Kit	Blank - Lambertian B - Batwing

Ceiling Attachment	Fixture Finish	Cord Color	Canopy Color	Cable Suspension Length	Options
HC - Hard Ceiling 1C - 15/16" Tee Clip 9C - 9/16" Tee Clip SC - Screw Slot Clip	WHT - White BLK - Black MSV - Silver RAL - Custom Color (specify i.e. RAL829)	W - White B - Black	W - White B - Black S - Silver RAL - Custom Color (specify i.e. RAL829)	18 - 18" Max 24 - 24" Max 36 - 36" Max 48 - 48" Max 72 - 72" Max 120 - 120" Max 144 - 144" Max	OCC - Occupancy Sensor DAY - Daylight Sensor DOC - Daylight and Occupancy Sensor EM - Emergency Battery Pack ³ EC - Emergency Circuit ³ EH - Emergency Through Harness ⁴ F - Fast Blow Fuse GMF - Slow Blow Fuse ST - Stem mount

ACCESSORY TABLE

TYPICAL ORDER EXAMPLE: **SMP SC 36 W W**

Prefix	Ceiling Attachment	Stem Length	Cord Color	Canopy Color	Dimming
SMP - Stem Power Feed Kit SMNP - Stem Non Feed Kit SMPE - Stem Mount with Emergency Feed Kit	HC - Hard Ceiling	12 - 12" Max 15 - 15" Max 18 - 18" Max 24 - 24" Max	W - White B - Black S - Silver	W - White B - Black S - Silver RAL - Custom Color (specify i.e. RAL829)	DIM2 - 0-10V 1% Dim. 5 conductor power cord

ENDPLATES (Replacement Parts Only)

Fixture Series	Width	Description	Color
2RDI - EP	2"	Cable Mount Endplate kit (2 per)	WHT, BLK, MSV

Example of a typical fixture application with hardware



1- Sensor and Emergency battery options not available for this length
 2- Adds 1 week to published lead time
 3- Individual and Ender units can be ordered with Emergency feed as standard. For joiner or starter with Emergency feed, please contact factory.
 4- EH is required if emergency circuit traverses multiple fixtures



PERFORMANCE

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DELIVERED LUMENS PER FOOT - Lambertian						
Size	Output (Direct and Indirect)	Total Lumens/foot	Lumens Direct	Lumens Indirect	Wattage	Lumens/Watt
2"	03L	758	379	379	25.05 W	121 lm/W
	05L	1,019	517	502	33.15 W	123 lm/W
	07L	1,519	764	755	50.63 W	120 lm/W
	10L	2,023	1,010	1,013	68.79 W	118 lm/W

DELIVERED LUMENS PER FOOT - Batwing						
Size	Output (Direct and Indirect)	Total Lumens/foot	Lumens Direct	Lumens Indirect	Wattage	Lumens/Watt
2"	03L	742	379	363	25.05 W	121 lm/W
	05L	1,007	517	491	33.15 W	123 lm/W
	07L	1,529	764	764	50.63 W	120 lm/W
	10L	1,987	1,009	978	68.79 W	118 lm/W

*LED Chips are frequently updated therefore values are nominal.

PHOTOMETRICS

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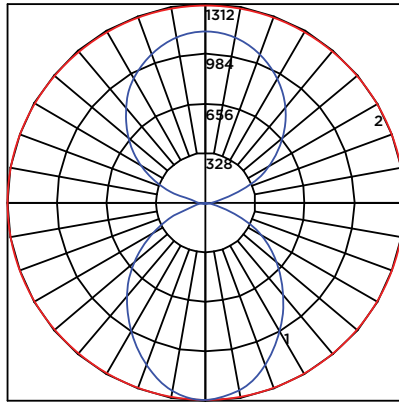
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

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

**2RDI-04-LED-07L-07L-LF-UE-40
LAMBERTIAN**

Zonal Lumen Summary

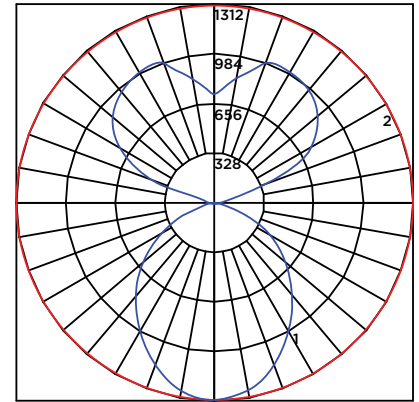
Zone	Lumens	%Luminaire
0-20	465.2	7.70
0-30	961.6	15.80
0-40	1,523.8	25.10
0-60	2,519.3	41.50
0-80	3,010.6	49.50
0-90	3,057.4	50.30
10-90	2,934.5	48.30
20-40	1,058.5	17.40
20-50	1,600.1	26.30
40-70	1,316.9	21.70
60-80	491.3	8.10
70-80	170.0	2.80
80-90	46.7	0.80
90-110	261.0	4.30
90-120	610.5	10.00
90-130	1,080.2	17.80
90-150	2,151.4	35.40
90-180	3,019.2	49.70
110-180	2,758.2	45.40
0-180	6,076.6	100.00



**2RDI-04-LED-07L-07L-LF-UE-40-B
BATWING**

Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-20	465.2	7.70
0-30	961.6	16.00
0-40	1,523.8	25.30
0-60	2,519.3	41.90
0-80	3,010.6	50.00
0-90	3,057.6	50.80
10-90	2,934.7	48.80
20-40	1,058.5	17.60
20-50	1,600.1	26.60
40-70	1,316.9	21.90
60-80	491.3	8.20
70-80	170.0	2.80
80-90	47.0	0.80
90-110	311.5	5.20
90-120	735.0	12.20
90-130	1,259.5	20.90
90-150	2,290.8	38.10
90-180	2,960.7	49.20
110-180	2,649.2	44.00
0-180	6,018.3	100.00





STRAIGHT DIMENSIONS

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