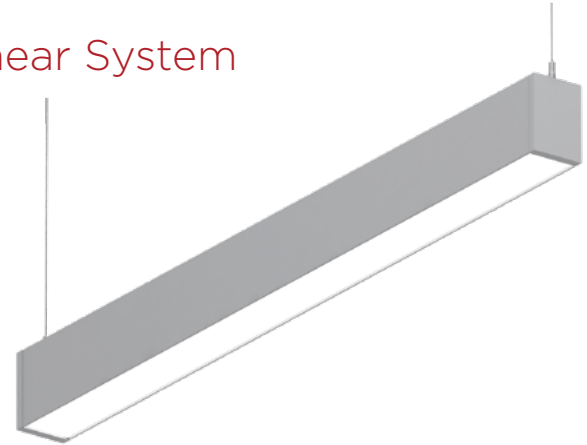




R Series - 3RDI

3" Suspended Direct/Indirect Lighting Linear System



OVERVIEW

Lumen Range	600 - 1,300
CCT	2700K, 3000K, 3500K, 4000K, 5000K
Wattage Range	13 - 38 (Direct) 11 - 30 (Indirect)
Efficacy Range (LPW)	104 - 111 (Direct) 133 - 136 (Indirect)
Weight lbs (kg)	3.3 lbs/ft (1.4 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 for direct and indirect light.
- 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
- 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
- Suitable for damp locations
- Meets Buy American Act requirements
- State of California Title 24 compliant





ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: **3RDI 4 LED 3L 3L LF UE 30 WHT**

Prefix	Length	LED Technology	Direct Lumens (Per Foot)	Indirect Lumens (Per Foot)	Lens	Voltage	Color Temperature	Fixture Finish	Options
3RDI - 3" Width	2 - 2' Length ¹	LED	03L - 350 Lumens 05L - 500 Lumens 07L - 750 Lumens 10L - 1,000 Lumens 13L - 1,300 Lumens	03L - 350 Lumens 05L - 500 Lumens 07L - 750 Lumens 10L - 1,000 Lumens 13L - 1,300 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	WHT - White BLK - Black MSV - Silver RAL - Custom Color (specify i.e. RAL829)	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
	3 - 3' Length								
	4 - 4' Length								
	5 - 5' Length								
	6 - 6' Length								
	7 - 7' Length								
	8 - 8' Length								
	CHO - 2'x2' Horizontal Corner								

ACCESSORY TABLE

TYPICAL ORDER EXAMPLE: **SFK SP SC 9C FA 36 UE W W**

Prefix	Fixture Attachment	Feed Cord	Ceiling Attachment	Cable Suspension Type	Cable Suspension Length	Stem Length
SFK - Starter Feed Kit	SP - Single Point Cable S - Stem Mount	SC - Straight	HC - Hard Ceiling	FA - Fully Adjustable	18 - 18" Max 24 - 24" Max 36 - 36" Max 72 - 72" Max 144 - 144" Max	12
EFK - Emergency Circuit Feed Kit		Blank - None				15
NFK - Non-Feed Kit						18
SMP - Stem Power Feed Kit						24
SMNP - Stem Non Feed Kit						
SMPE - Stem Mount with Emergency Feed Kit						

Line Voltage	Cord Color	Canopy Color	Dimming
UE - Universal Voltage (120-277V) 347 - 347V	W - White B - Black S - Silver	W - White B - Black S - Silver RAL - Custom Color specify i.e. RAL829	DIM2 - Dimming wires pulled in feed kit ⁵

ENDPLATES

Fixture Series	Width	Description
3RDI - EP	3"	Cable Mount Endplate kit (2 per)
3RDI - SEP	3"	Stem Mount Endplate kit (2 per)

Notes:

- 1 - Sensor options not available for this length
- 2 - Adds 1 week to published lead time
- 3 - Requires EFK Hardware Accessory
- 4 - EH is required if emergency circuit traverses multiple fixtures
- 5 - Only valid with SFK. Not available with Emergency Feed Kit.





PERFORMANCE

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DELIVERED LUMENS PER FOOT						
Size	Output (Direct and Indirect)	Total Lumens/foot	Lumens Direct	Lumens Indirect	Wattage	Lumens/Watt
3"	03L	752	376	376	24 W	125 lm/W
	05L	994	495	499	33 W	120 lm/W
	07L	1,518	758	760	50 W	120 lm/W
	10L	2,019	1,011	1,008	65 W	123 lm/W
	13L	2,264	1,256	1,256	76 W	119 lm/W

*LEDs 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%.

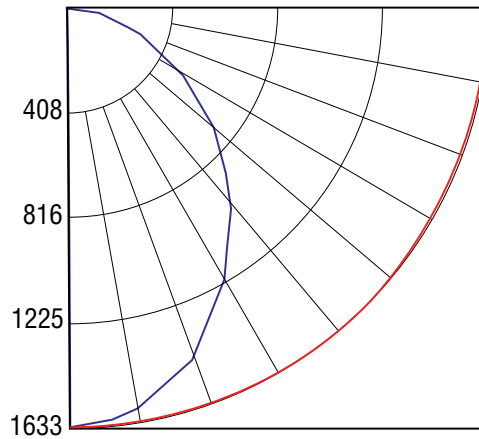
See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.

3RDI-4-10L-LF-40

Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-20	579.39	15.00
0-30	1,197.74	31.00
0-40	1,900.13	49.20
0-60	3,161.77	81.90
0-80	3,799.42	98.40
0-90	3,859.66	100.00
10-90	3,706.71	96.00
20-40	1,320.74	34.20
20-50	2,003.04	51.90
40-70	1,677.90	43.50
60-80	637.65	16.50
70-80	221.39	5.70
80-90	60.24	1.60
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	3,859.66	100.00

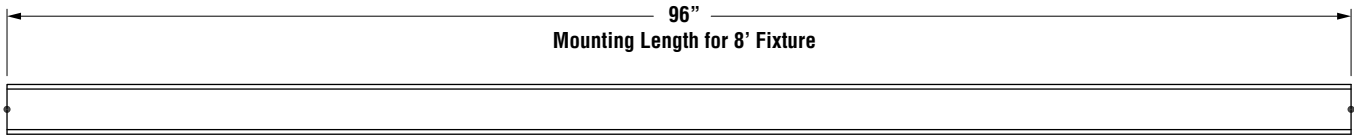
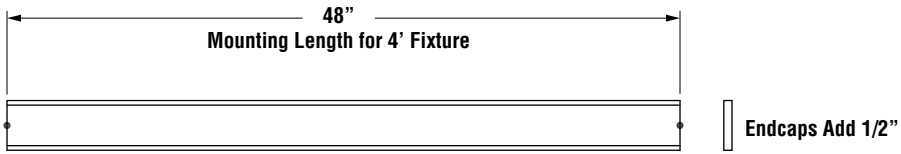
POLAR CURVE





STRAIGHT DIMENSIONS

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CORNER DIMENSIONS

