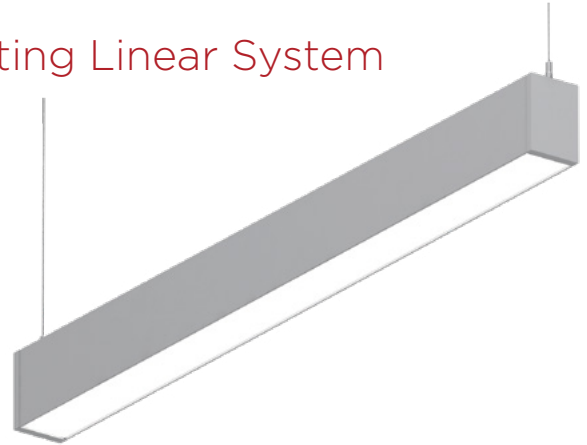




R Series - RDI

3" and 4" 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 | 03L - 350 Lumens | LF - Frosted Diffuse | UE - Universal Voltage (120V-277V) | 27 - 2700K ² | WHT - White | OCC - Occupancy Sensor |
| 4RDI - 4" Width | 3 - 3' Length | | 05L - 500 Lumens | 05L - 500 Lumens | | | | | |
| | 4 - 4' Length | | 07L - 750 Lumens | 07L - 750 Lumens | | | | | |
| | 5 - 5' Length | | 10L - 1,000 Lumens | 10L - 1,000 Lumens | | | | | |
| | 6 - 6' Length | | 13L - 1,300 Lumens | 13L - 1,300 Lumens | | | | | |
| | 7 - 7' Length | | | | | | | | |
| | 8 - 8' Length | | | | | | | | |
| | CHO - 2'x2' Horizontal Corner | | | | | | | | |
| | | | | | | | | | |
| | | | | | 35 - 3500K | MSV - Silver | DOC - Daylight and Occupancy Sensor | | |
| | | | | | 40 - 4000K | RAL - Custom Color (specify i.e. RAL829) | EM - Emergency Battery Pack ³ | | |
| | | | | | 50 - 5000K ² | | 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: **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 (Cable, 1per) | SP - Single Point Cable | SC - Straight | HC - Hard Ceiling | FA - Fully Adjustable | 18 - 18" Max | 12 |
| EFK - Emergency Circuit Feed Kit (Cable, 1per) | S - Stem Mount (Hard Ceiling only) | Blank - None | 1C - 15/16" Tee Clip | | 24 - 24" Max | 15 |
| NFK - Non-Feed Kit (Cable, 1per) | | | 9C - 9/16" Tee Clip | | 36 - 36" Max | 18 |
| SMP - Stem Power Feed Kit (1per) | | | SC - Screw Slot Clip | | 72 - 72" Max | 24 |
| SMNP - Stem Non Feed Kit (1per) | | | | | 144 - 144" Max | |
| SMPE - Stem Mount with Emergency Feed Kit (1per) | | | | | | |

| 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 - 0-10V 1% Dim. 5 conductor power cord ⁵ |

ENDPLATES (Ordered Separately)

| Fixture Series | Width | Description | Color |
|-------------------|-------|----------------------------------|---------------|
| 3RDI - EP | 3" | Cable Mount Endplate kit (2 per) | WHT, BLK, MSV |
| 3RDI - SEP | 3" | Stem Mount Endplate kit (2 per) | |
| 4RDI - EP | 4" | Cable Mount Endplate kit (2 per) | |
| 4RDI - SEP | 4" | 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%.

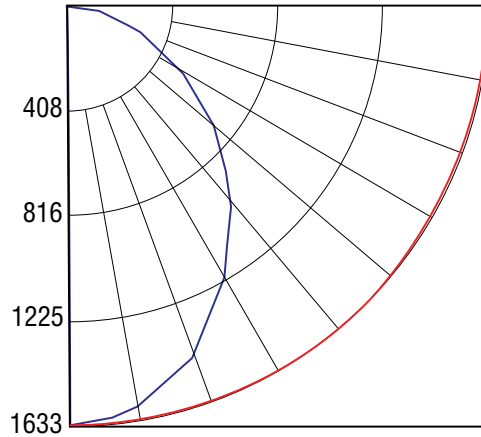
See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.

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 |

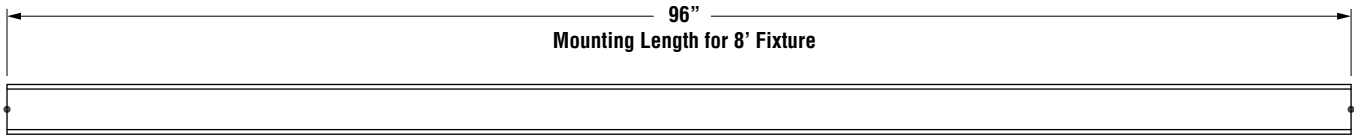
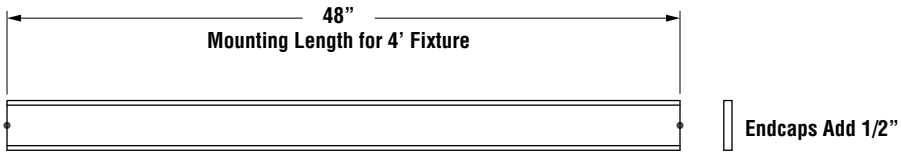
POLAR CURVE





STRAIGHT DIMENSIONS

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CORNER DIMENSIONS

