



Texas Fluorescents
Reinvented

CITN LED Series

Narrow Harsh Environment Enclosure



CITADEL LED lighting is designed for parking garages and other applications where weatherproof wide area lighting is required. A highly engineered LED lighting system is coupled with the best weather proofing materials and design to provide the most durable lighting system in the industry. Poured in place gasket and cam latches seal the enclosures. The mounting can provide dramatic savings on installation labor. Designed around a long lasting and efficient LED array with specially designed heat sinks, reflectors and retaining clips ensure maximum LED life and wide spread lighting to put the light exactly where you want it. A specially designed driver to compliment the LED arrays housed in special enclosure to ensure effective heat dissipation and easy maintenance Very tough diffuser resists breakage and are also specially designed to provide excellent light transmission of the LEDs while minimizing the glare from the bright LED's.

SIZE W x L X H in inches

4ft: 4.4W x 51.81L x 4.13H



ORDERING INFORMATION

CITADEL 4'

STANDARD

Example: CITN48LRFF48W4500LDMV40K

CITN48L	RF	F48W4500L	DMV	40K
Series		Wattage/Lumens	Driver	Kelvin Temperature
CITN48L Narrow LED 4' Vaportight		F35W4000L 35 System Watts, 4000 Delivered Lumens	DMV 0-10V Dimming	30K 3000K 35K 3500K 40K 4000K 50K 5000K
	Lens	F48W5600L 48 System Watts, 5600 Delivered Lumens		Accessories
	RF Ribbed Frosted LB Ribbed Clear FR Smooth Frosted OL Smooth Clear			MDB3 Low Mount 360 Degree Bi-Level with 0-10 Driver MDT4 Occupancy [1] Sensor Wide Angle MDT4W Wet Location WP 6 ft. 3 wire 18 gauge whip WP10 6 ft. 4 wire 18 gauge whip

Catalog Number:
Notes:



LSXR

LINE VOLTAGE FIXTURE MOUNT SENSOR

The LSXR is a line voltage fixture mount sensor that provides passive infrared (PIR) occupancy detection with a radial coverage pattern. The LSXR has 4 available interchangeable lenses that provide flexibility in selection of mounting heights and coverage patterns.

INTERCHANGEABLE LENSES:



9 LENS
Small Motion 360°



6 LENS
High Mount 360°



10 LENS
Low Mount 360°



50 LENS
High Mount Aisleway

FEATURES:

- Interchangeable Lenses
- Integrated Mounting Bracket
- Self-Contained Relay
- No Minimum Load Requirements
- Adjustable Fixture Mounting
- Compatible with 0-10 VDC Dimmable Ballasts and LED Drivers
- Interchangeable Hot & Load Wires
- Features patented Lampmaximizer® technology
- 347-480 VAC available

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LSXR

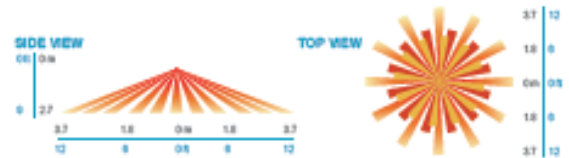
LINE VOLTAGE FIXTURE MOUNT SENSOR



9
LENS

Small Motion 360°

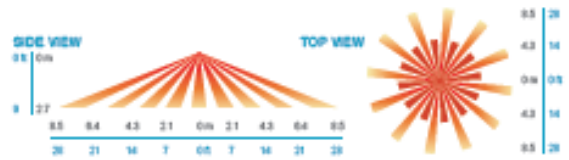
- Best choice for small motion (e.g., hand movements) detection
- Viewing angle of 56° in a 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage



10
LENS

Low Mount 360°

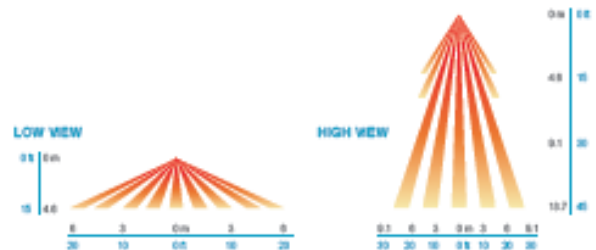
- Best choice for large motion (e.g., walking) detection
- Viewing angle of 67° in a 360° conical shaped pattern
- Provides 26 ft (8.53 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage



6
LENS

High Mount 360°

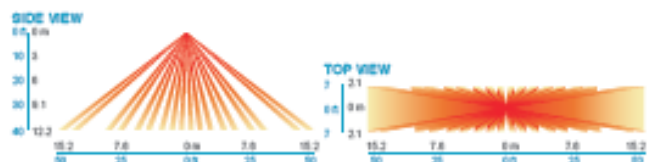
- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g., walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g., forklifts) up to a 45 ft (13.72 m) mounting height



50
LENS

High Mount Aisleway

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction





9 LENS Small Motion 360°



10 LENS Low Mount 360°



6 LENS High Mount 360°



50 LENS High Mount Aisleyway

COMMON CONFIGURATIONS

Model #	# Of Relays	Photocell	0-10 VDC Dimming	Power	Included Lenses	Notes on Operation
LSXR 610 HL	1	no	yes	120-277 VAC (MVOLT)	High Mount 360° & Low Mount 360°	<u>Occ.</u> High/Low/Off (if relay is wired) or High/Low (if relay is not wired)
LSXR 610	1	no	no	120-277 VAC (MVOLT)	High Mount 360° & Low Mount 360°	<u>Occ.</u> - On/Off control
LSXR 610 P	1	yes	no	120-277 VAC (MVOLT)	High Mount 360° & Low Mount 360°	<u>Occ.</u> - On/Off control <u>Photocell</u> - On/Off control
LSXR 610 ADC	1	yes	yes	120-277 VAC (MVOLT)	High Mount 360° & Low Mount 360°	<u>Occ.</u> - On/Off (if relay is wired) or ~0V (if relay is not wired) <u>Photocell</u> - Dim to Off (if relay is wired) or ~0V (if relay is not wired)
LSXR 610 ADC 3V J100* (*100 pack option required)	1	yes	yes	120-277 VAC (MVOLT)	High Mount 360° & Low Mount 360°	<u>Occ.</u> - On/Off (if relay is wired) or 3V (if relay is not wired) <u>Photocell</u> - Dimming to 3V
LSXR 610 2P	2	no	no	120/277 VAC	High Mount 360° & Low Mount 360°	<u>Occ.</u> - On/Off control both relays
LSXR 610 2P AO	2	no	no	120/277 VAC	High Mount 360° & Low Mount 360°	<u>Occ.</u> - Both relays closed <u>No Occ.</u> - 1 relay opens (alternates to promote even lamp wear)

ORDERING INFORMATION

SINGLE RELAY

(example: LSXR 610 ADC HVOLT J100)

LSXR					
Series	Lens Options		Dimming/Photocell	Voltage	
LSXR Passive Infrared Indoor Occupancy Sensor	<u>Single Lens</u>	<u>Multi-Lens</u>	(blank) None HL High/Low Occupancy Operation P Switching Photocell (On/Off) ADC Dimming & Switching Photocell ANL Dimming & Switching Photocell with High/Low Occ. Operation	(blank) 120-277 VAC (MVOLT) HVOLT 347-480 VAC	
	(blank) No Lens 6 High Mount 360° 10 Low Mount 360° 50 High Mount Aisleway 9 Small Motion 360°	610 High Bay & Low Bay 360° 650 High Bay 360° & Aisleway 3PK High Bay & Low Bay 360, & Aisleway 4PK All Lenses			
addl. ordering options (*available in 100 packs only)	Max Dim Level*	Min Dim Level*	Lead Length*	Temp / Humidity	Default Time Delay*
	(blank) 10 VDC 9H 9 VDC 8H 8 VDC 7H 7 VDC	(blank) Min 1V 1 VDC 2V 2 VDC 3V 3 VDC 4V 4 VDC 5V 5 VDC 6V 6 VDC	(blank) 14" 42L 42"	(blank) None LT Low Temp	(blank) 10 min (w/ 15 min minimum on time) 5M 5 min (LED only) 15M 15 min 20M 20 min 30M 30 min
					Pack Qty
					(blank) Single J100 100-Pack

*option available in 100-pack qty's only (add J100 option)

DUAL RELAY

(example: LSXR 610 2P A0 J100)

LSXR					
Series		Lens Options		2P	Operating Mode
LSXR Passive Infrared Indoor Occupancy Sensor		<u>Single Lens</u>	<u>Multi-Lens</u>	2P Dual Relay	(blank) None A0 Alternating Off Relays (promotes even lamp wear) AOP Alternating Off Relays w/ Photocell P Photocell On/Off - both Poles (single set-point) SZ Photocell On/Off (Pole 1 only) DZ Photocell On/Off - both Poles (dual set-point)
		(blank) No Lens 6 High Mount 360° 10 Low Mount 360° 50 High Mount Aisleway 9 Small Motion 360°	610 High Bay & Low Bay 360° 650 High Bay 360° & Aisleway 3PK High Bay & Low Bay 360, & Aisleway 4PK All Lenses		(blank) 120/277 VAC 347 347 VAC
addl. ordering options (*available in 100 packs only)			Lead Length*	Temp / Humidity	Default Time Delay*
			(blank) 14" 42L 42"	(blank) None LT Low Temp	(blank) 10 min (w/ 15 min minimum on time) 5M 5 min (LED only) 15M 15 min 20M 20 min 30M 30 min
					Pack Qty
					(blank) Single J100 100-Pack

*option available in 100-pack qty's only (add J100 option)

ACCESSORY LENSES

(example: LENS 50 J100)

LENS

Lens Type	Job Pack Qty
6 High Mount 360°	(blank) Single
10 Low Mount 360°	J10 10-Pack
50 High Mount Aisleway	J100 100-Pack
9 Small Motion 360°	

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