

CITE LED Series

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. ETL listed for wet location.



SIZE W x L X H in inches

2ft: 7.33W x 27.68L x 4.13H

4ft: 7.33W x 51.81L x 4.13H

8ft: 7.33W x 98.51L x 4.13H



ORDERING INFORMATION

Example: CITE24LRFF24W2250LPGDMV40K

CITADEL 2'

STANDARD

CITE24L	RF	F24W2150L	PG	DMV	40K
Series	Lens			Driver	Kelvin Temperature
CITE24L LED 2' Vaportight	RF Ribbed Frosted LB Ribbed Clear FR Smooth Frosted OL Smooth Clear			DMV 0-10V Dimming	30K 3000K 35K 3500K 40K 4000K 50K 5000K
		Wattage/Lumens	Gear Tray*		Accessories
		F24W2700L 24 System Watts, 2700 Delivered Lumens	LB Low Bay		MDB3 Low Mount 360 Degree Bi-Level with 0-10 Driver
		F28W3300L 28 System Watts, 3300 Delivered Lumens			MDT4 Occupancy [1] Sensor Wide Angle MDT4W Wet Location
		F24W2150L 24 System Watts, 2150 Delivered Lumens	PG Parking Garage		
		F28W2650L 28 System Watts, 2650 Delivered Lumens			

Catalog Number:
Notes:


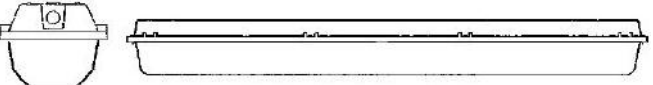
ORDERING INFORMATION

CITADEL 4'

Example: CITE48LRFF48W4500LPGDMV40K

STANDARD

CITE48L	RF	F48W4500L	PG	DMV	40K
Series	Lens			Driver	Kelvin Temperature
CITE48L LED 4' Vaportight	RF Ribbed Frosted LB Ribbed Clear FR Smooth Frosted OL Smooth Clear			DMV 0-10V Dimming	30K 3000K 35K 3500K 40K 4000K 50K 5000K
		Wattage/Lumens		Gear Tray*	Accessories
		F48W5600L 48 System Watts, 5600 Delivered Lumens		LB Low Bay	MDB3 Low Mount 360 Degree Bi-Level with 0-10 Driver
		F57W6800L 57 System Watts, 6800 Delivered Lumens			MDT4 Occupancy [1] Sensor Wide Angle
		H72W8400L 72 System Watts, 8400 Delivered Lumens			MDT4W Wet Location
		F48W4500L 48 System Watts, 4500 Delivered Lumens	PG Parking Garage		
		F57W5100L 57 System Watts, 5100 Delivered Lumens			
		H72W7000L 72 System Watts, 7000 Delivered Lumens			

Overall Dimensions (Housing, Lens and Latches)		Nominal Length	Width	Length	Depth
Housing with Frosted Lineal Ribbed Diffusers (RF)		2'	7.33"	27.68"	4.13"
		4'	7.33"	51.81"	4.13"
Housing with Deep Frosted Lens (FR)		4'	7.33"	51.81"	5.63"

ORDERING INFORMATION

CITADEL 8'

Example: CITE96LRFF57W5100LPGDMV40K

STANDARD

CITE96L	RF	F57W5100L	PG	DMV	40K
Series	Lens			Driver	Kelvin Temperature
CITE96L LED 8' Vaportight	RF Ribbed Frosted LB Ribbed Clear FR Smooth Frosted OL Smooth Clear			DMV 0-10V Dimming	30K 3000K 35K 3500K 40K 4000K 50K 5000K
		Wattage/Lumens	Gear Tray*		Accessories
		F97W11200L 97 System Watts, 11200 Delivered Lumens F114W13600L 114 System Watts, 13600 Delivered Lumens	LB Low Bay		MDB3 Low Mount 360 Degree Bi-Level with 0-10 Driver MDT4 Occupancy [1] Sensor Wide Angle MDT4W Wet Location
		F97W8950L 97 System Watts, 9850 Delivered Lumens F114W10850L 114 System Watts, 10850 Delivered Lumens	PG Parking Garage		

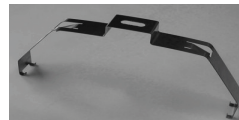
Clips and Hangers Accessories



- Replacement white latch
- 2 Ft. & 4 Ft. - H123



- Stainless steel latch kit
- 2 Ft. & 4 Ft. - SL



- Stainless steel mounting bracket
- CITMB2L



- Stainless steel mounting bracket w/bail
- CITMB2L
- Recommended for cable hanging

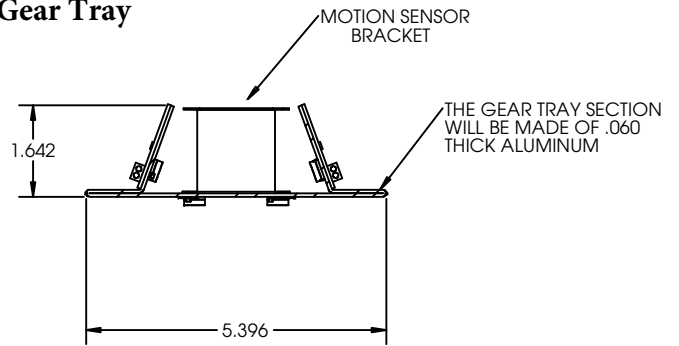
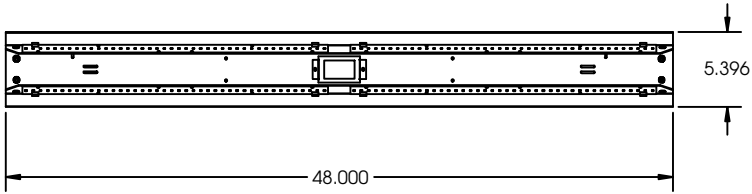
Occupancy Sensor and Photo Cell Accessories

MDT4* Occupancy Sensor
PC120 Photo Cell, 120V
PC277 Photo Cell, 277V

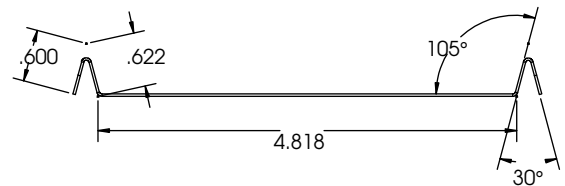
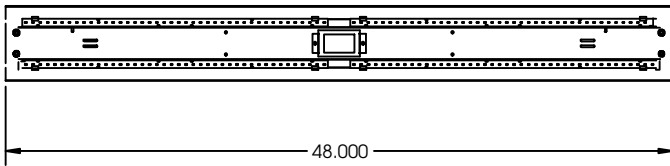
*Add "C" for cold weather, - "W" for wet location.

CITADEL 4'

Parking Garage Gear Tray

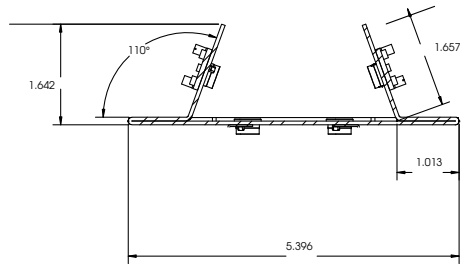
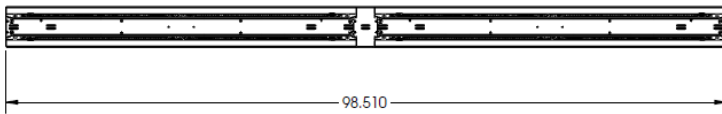


Low Bay Gear Tray

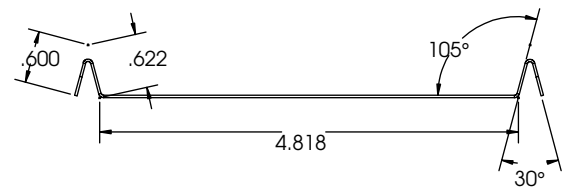
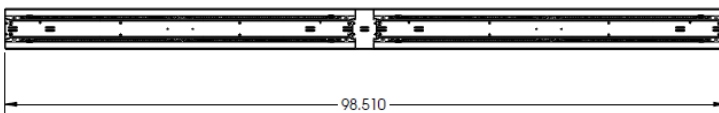


CITADEL 8'

Parking Garage Gear Tray



Low Bay Gear Tray





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

sensorswitch

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LSXR

LINE VOLTAGE FIXTURE MOUNT SENSOR

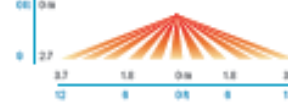


9
LENS

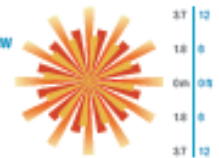
Small Motion 360°

- 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

SIDE VIEW



TOP VIEW



10
LENS

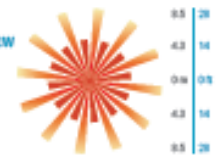
Low Mount 360°

- Best choice for large motion (e.g., walking) detection
- Viewing angle of 67° in a 360° conical shaped pattern
- Provides 28 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

SIDE VIEW



TOP VIEW

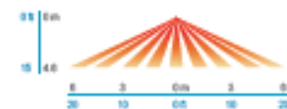


6
LENS

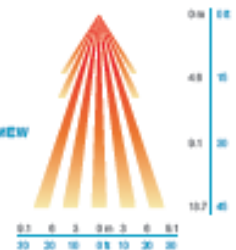
High Mount 360°

- 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

LOW VIEW



HIGH VIEW

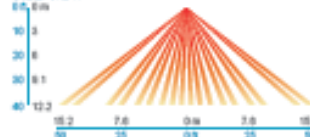


50
LENS

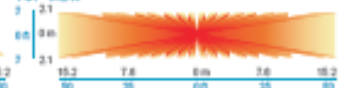
High Mount Aisleway

- 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

SIDE VIEW



TOP VIEW





9 LENS Small Motion 360°



10 LENS Low Mount 360°



6 LENS High Mount 360°



50 LENS High Mount Aisleway

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		Single Lens (blank) No Lens 6 High Mount 360° 10 Low Mount 360° 50 High Mount Aisleway 9 Small Motion 360°	Multi-Lens 610 High Bay & Low Bay 360° 650 High Bay 360° & Aisleway 3PK High Bay & Low Bay 360, & Aisleway 4PK All Lenses	(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		
addl. ordering options (*available in 100 packs only)	Max Dim Level*	Min Dim Level*	Lead Length*	Temp / Humidity	Default Time Delay*	Pack Qty	
	(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	(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				2P			
Series		Lens Options		Poles		Operating Mode	
LSXR Passive Infrared Indoor Occupancy Sensor		Single Lens (blank) No Lens 6 High Mount 360° 10 Low Mount 360° 50 High Mount Aisleway 9 Small Motion 360°	Multi-Lens 610 High Bay & Low Bay 360° 650 High Bay 360° & Aisleway 3PK High Bay & Low Bay 360, & Aisleway 4PK All Lenses	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)	
addl. ordering options (*available in 100 packs only)			Lead Length*	Temp / Humidity	Default Time Delay*	Pack Qty	
			(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	(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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