

**CITADEL 2™ LED** offers the best LED lighting 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.



### LED ARRAYS

Cree LEDs inside. Specially designed LED arrays utilizing industry leading Cree LEDs are designed to maximize light output, efficiency and life provide a combined premium performance. LEDs are available in various color temperatures and outputs. When married to certain drivers the LEDs can operate at different power levels.

### Board Tray

- Extruded Aluminum
- Design based on two rows of boards (nominal 1.58" width x .065 thickness)
- No screws or tape attached to LED boards



### Board Tray Feature Tray

- 100% profile provides maximum light spread with minimal light loss



### Board Tray End Caps Tray

- Protects and provides wire way between driver and LED boards



### Board Tray Retainer Clip Tray

- The LED assembly can hinge open allowing the end user to replace drivers or connect wiring.



### Driver Tray

- White cold rolled steel
- Keeps the driver separate from LED boards
- Accommodates multiple driver case sizes



### Deep Frosted Lenses (FR)

- Dramatically reduced direct glare
- Improved LED visual performance
- Smooth distribution
- Light transmission of 88%
  - Compared to the clear lens for maximum light transmission of 91%



### Frosted Linear Diffuser (RF)

- Impact modified acrylic
- 2' and 4' lengths

## ORDERING INFORMATION

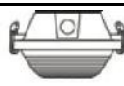


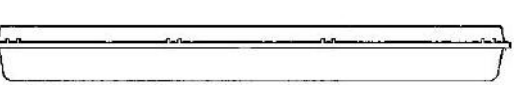
### CITADEL 2'

Example: CIT24LFR42W3400LDMV40K

<b>CIT24L</b>	<b>FR</b>	<b>42W3400L</b>		<b>DMV</b>	<b>40K</b>	
<b>Series</b>		<b>Wattage/Lumens*</b>		<b>Driver</b>	<b>Kelvin Temperature</b>	
<b>CIT24L</b> LED 2' Vaportight		<b>42W3400L</b> 42 System Watts, 3068 Delivered Lumens  *Exact lumens will vary by lens option.		<b>DMV</b> 0-10V <b>STMV</b> Step Dimming	<b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K <b>50K</b> 5000K	
	<b>Lens</b>		<b>Reflector*</b>		<b># of Drivers</b>	<b>Accessories</b>
	<b>RF</b> Ribbed Frosted <b>LB</b> Ribbed Clear <b>FR</b> Smooth Frosted <b>OL</b> Smooth Clear		<b>Blank</b> None <b>PG</b> Parking Garage  *PG Fixtures must use either FR or OL Lens.		<b>Blank</b> 1 Driver <b>(11)</b> 2 Driver	<b>See</b> <b>Accessories</b> <b>Page</b>

### DLC Listed items

Models	Input Watts	Color Temp (K)	Lumens (lm)	Efficacy (lm/W)	CRI
CIT24LSFR42W3400LDMV30K	42	4000	3068	73.44	>80
CIT24LSFR42W3400LDMV35K	42	4000	3068	73.6	>80
CIT24LSFR42W3400LDMV40K	42	4000	3068	73.6	>80
CIT24LSFR42W8000LDMV50K	42	4000	3546	73.6	>80

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 4'

Example: CIT48LFR51W5014LDMV40K

CIT48L	FR	51W5014L	DMV	40K
<b>Series</b> CIT48L LED 4' Vaportight		<b>Wattage/Lumens*</b> 51W5014L 51 System Watts, 5014 Delivered Lumens 84W8000L 84 System Watts, 8710 Delivered Lumens <small>*Exact lumens will vary by lens option.</small>	<b>Driver</b> DMV 0-10V STMV Step Dimming	<b>Kelvin Temperature</b> 30K 3000K 35K 3500K 40K 4000K 50K 5000K
	<b>Lens</b> RF Ribbed Frosted LB Ribbed Clear FR Smooth Frosted OL Smooth Clear		<b>Reflector*</b> Blank None PG Parking Garage <small>*PG Fixtures must use either FR or OL Lens.</small>	<b># of Drivers</b> Blank 1 Driver (11) 2 Driver
				<b>Accessories</b> See Accessories Page

### DLC Listed items

Models	Input Watts	Color Temp (K)	Lumens (lm)	Efficacy (lm/W)	CRI
CIT48LFR51W5014LPGDMV40K	51	4000	5014	98.09	>80
CIT48LFR84W8000LPGDMV40K	84	4000	7648	91.36	>80
CIT48LFR84W8000LDMV40K	84	4000	8710	103.82	>80
CIT48LRF84W8000LDMV40K	84	4000	8110	96.79	>80

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"

Texas Fluorescents

2055 Luna Rd. Suite 142 Carrollton, TX 75006

Phone: 972-247-3171 Fax: 972-247-0200

www.texasfluorescents.com email: sales@texasfluorescents.com

Catalog Number:
Notes:

# PERFORMANCE

## CIT2-Fluorescent vs. CIT2-LED

Lamp	Housing	Lens	Lumens	W	lm/W	Spacing Criteria		CRI
						0 degree	90 degree	
2-54W	2L4	LB	5710	93.0	61.4	1.20	1.70	
	2L4	OL	6397	94.0	68.1	1.30	1.60	
	2L4	FR	7043	99.2	71.0	1.20	1.80	
	2L4	OL w/ Reflector	7287	98.6	73.9	1.20	1.60	
LED	2L2	RF	3728	40.0	<b>93.2</b>	1.20	1.30	<b>83.2</b>
	2L4	RF	<b>7355</b>	80.0	<b>91.9</b>	1.20	1.20	<b>83.4</b>
	2L4	FR	<b>7894</b>	80.0	<b>98.7</b>	1.20	1.30	<b>83.5</b>

\* Wide reflector used with frosted LIRA lens  
\*\* Wide reflector used with clear LIRA lens

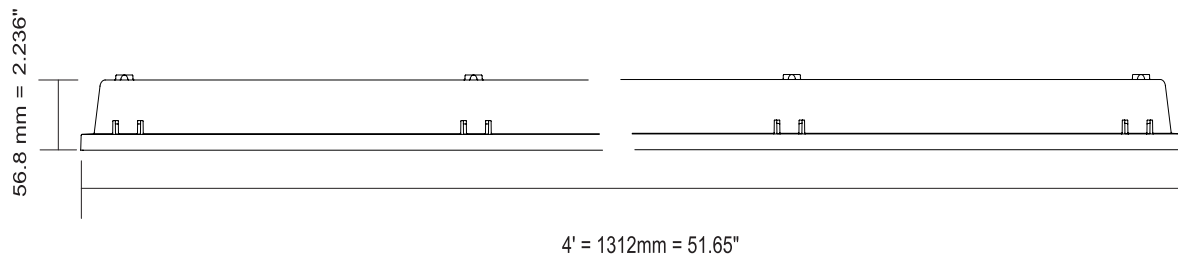
The above data comes from SLP's Photometric Report Utilized Philips Fortimo 1R Series for testing purposes

● U.S. Patent Application Serial No. 13/608,520

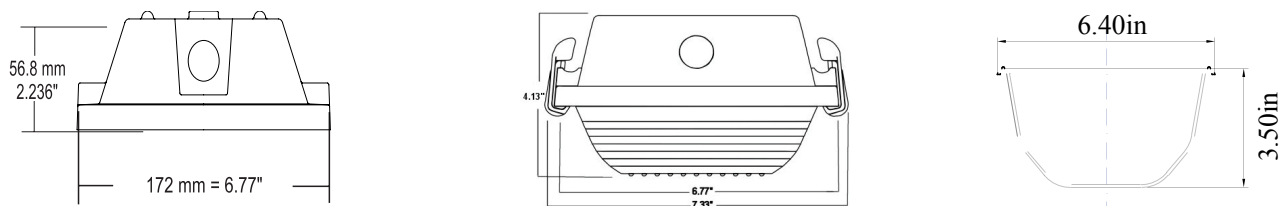
SLP CITADEL 2 LED ●

## DIMENSIONS

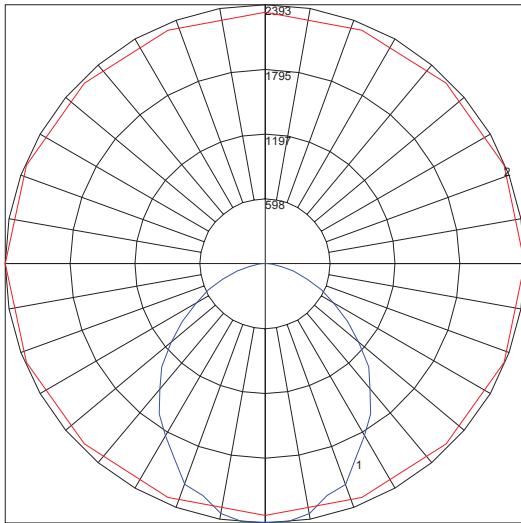
### Side View



### End View



## PHOTOMETRICS

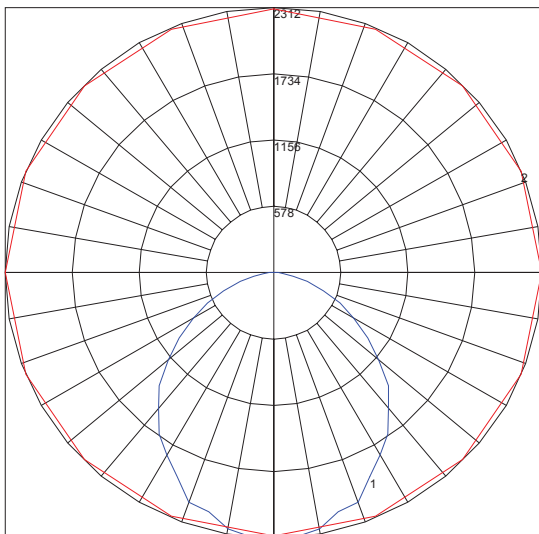


Maximum Candela = 2393 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

IES File: CIT48LRF84W8000LDMV40K

### **CHARACTERISTICS**

Lumens Per Lamp N.A.	(absolute)
Total Lamp Lumens N.A.	(absolute)
Luminaire Lumens	8083
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.27 ft
Luminous Width (90-270)	0.52 ft
Luminous Height	0.17 ft



Maximum Candela = 2312 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

IES File: CIT48LFR84W8000LDMV40K

### **CHARACTERISTICS**

Lumens Per Lamp N.A.	(absolute)
Total Lamp Lumens N.A.	(absolute)
Luminaire Lumens	8676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.27 ft
Luminous Width (90-270)	0.52 ft
Luminous Height	0.29 ft

## ACCESSORIES

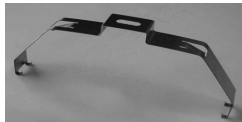
### Clips and Hangers Accessories



- 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.

