

# SIMPLESEAL™

## CSEFRO SERIES – LF FLANGE MOUNT – TOP ACCESS OVERLAPPING DOOR

### PRODUCT FEATURES:

- » Recessed ceiling mount, top access – flange mount; 1'x4', 2'x2', 2'x4'
- » Top access for easy relamping for walk-on ceilings
- » Optional Food Zone/Non-Contact listing ideal for food processing applications
- » Suitable for use in ISO 5 rated cleanrooms



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**HOUSING:** 18-gauge CRS. Hole-free one-piece seam welded construction. White TGIC polyester powder coat finish – 5 step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**TOP ACCESS DOOR:** Full size 16-gauge CRS continuous hinged door secured with stainless steel rotary action latches (2) for 2x2 and (3) for 1x4 and 2x4. Multiple return fabrication for strength and easy handling.

**DOORFRAME:** 20-gauge type 304 stainless steel (#4 finish-post fabrication). One-piece 60° beveled perimeter construction. Continuous angle lens retention system. Mechanical guide for doorframe fastener alignment. Doorframe secured to housing with (10) fasteners for 1x4, (8) fasteners for 2x2, and (12) fasteners for 2x4 (fasteners not accessible from room).

**LENS:** .125" (.32cm) #12 high impact acrylic lens sealed to perimeter ledge of lens aperture with silicone sealant and secured with continuous lens retention system. Lens orientation – smooth side out. See Options for alternate lens selections. If required, specify lens overlay combinations inner/outer (Example: R/T). FN option includes FDA approved Food Zone lens over #12 high impact acrylic.

**GASKET MATERIALS:** One-piece closed cell extruded silicone gasket seals doorframe to ceiling structure. Closed cell extruded silicone gasketing seals top access door to housing.

**ELECTRICAL:** Quantity and type as specified – see ordering information. All ballasts UL listed class P. Wireway hole provided with hub/ring/plug assembly. See Ordering Information for alternate or multiple ballasts, sealed wireway and optional equipment. Lamps by others.

**INSTALLATION:** Adjustable swing-out mounting brackets standard.

**WARRANTY:** Limited one (1) year Kenall fluorescent warranty.

**LISTINGS:** UL and CUL Listed for Wet Location. UL certified IP65 in compliance with IEC 60598. NSF2 Splash/Non-Food Zone. Optional NSF2 Food Zone/Non-Contact. Meets K230 Leakage Standard for luminaire leakage in pressurized environments and FED-STD-209E/Class 100 (ISO 5) Cleanrooms. CCEA Approved.



### ORDERING INFORMATION (Ex: CSEFRO14-1-32-IS-1-120-2F-2H-T)

Model	Lamp Qty/Type	Ballast Type	Ballast Qty	Voltage	Doorframe	Housing	Lens Type	Options	
<b>Model</b>		<b>Ballast Type</b>			<b>Doorframe Options</b>			<b>Options</b>	
<b>CSEFRO14</b>	1'x4'	<b>IS</b>	Instant Start Electronic <10% THD (T8,T8HO)		<b>2F</b>	20-Ga CRS		<b>EL</b>	Standard Lumen EL Pack
<b>CSEFRO22</b>	2'x2'	<b>RS</b>	Rapid Start Electronic <10% THD (T8,T8HO,T5HO)		<b>5F</b>	20-Ga Type 304 SS (STD)		<b>PEL</b>	High Lumen EL Pack
<b>CSEFRO24</b>	2'x4'	<b>SB</b>	Specified Ballast		<b>XF</b>	20-Ga Type 316 SS		<b>SEL</b>	Specified EL Pack
					<b>PAF</b>	.063" Painted Fabricated Aluminum		<b>DLN</b>	LED Night Light w/Light Level Control (100%-20%)
<b>Lamp Qty/Lamp Type</b>		<b>Ballast Quantity</b>			<b>Housing Options</b>			<b>FS</b>	Fuse & Holder
<b>1x4</b>		<b>1</b>	One		<b>2H</b>	18-Ga CRS (STD)		<b>FN*</b>	Food Zone/Non-Contact
<b>1-32</b>	One F32T8	<b>2</b>	Two		<b>5H</b>	20-Ga Type 304 SS		<b>HJ</b>	Sealed Wireway
<b>2-32</b>	Two F32T8			<b>Voltage</b>	<b>5XH</b>	20-Ga Type 316 SS		<b>RF</b>	Radio Frequency Filter
<b>3-32</b>	Three F32T8			<b>120</b>				<b>TN</b>	5/7/9 Watt Night Light (FL)
<b>1-44</b>	One F48T8HO			<b>277</b>				<b>UV</b>	UV Filtering Lens (Specify)
<b>2-44</b>	Two F48T8HO			<b>347</b>					
<b>1-54</b>	One F54T5HO				<b>Lens Type</b>				
<b>2-54</b>	Two F54T5HO				<b>Acrylic</b>				
					<b>T</b>	.125" Clear			
<b>2x2</b>					<b>U</b>	.125" #12 Prismatic High Impact Acrylic (STD)			* Not available with TG lens type.
<b>2-17</b>	Two F17T8				<b>Polycarbonate</b>				
<b>3-17</b>	Three F17T8				<b>2</b>	.125" #12 Prismatic			
<b>4-17</b>	Four F17T8				<b>G</b>	.125" Clear			
<b>6-17</b>	Six F17T8				<b>Tempered Glass</b>				
<b>2-31U</b>	Two F31T8 – 1.625" (4.13cm) U				<b>TG</b>	.250" Textured Tempered Glass			
<b>3-31U</b>	Three F31T8 – 1.625" (4.13cm) U				<b>Specified Lens</b>				
<b>2x4</b>					<b>SL</b>	Specified Lens			
<b>2-32</b>	Two F32T8								
<b>3-32</b>	Three F32T8								
<b>4-32</b>	Four F32T8								
<b>6-32</b>	Six F32T8								
<b>2-44</b>	Two F48T8HO								
<b>3-44</b>	Three F48T8HO								
<b>4-44</b>	Four F48T8HO								
<b>2-54</b>	Two F54T5HO								
<b>3-54</b>	Three F54T5HO								
<b>4-54</b>	Four F54T5HO								



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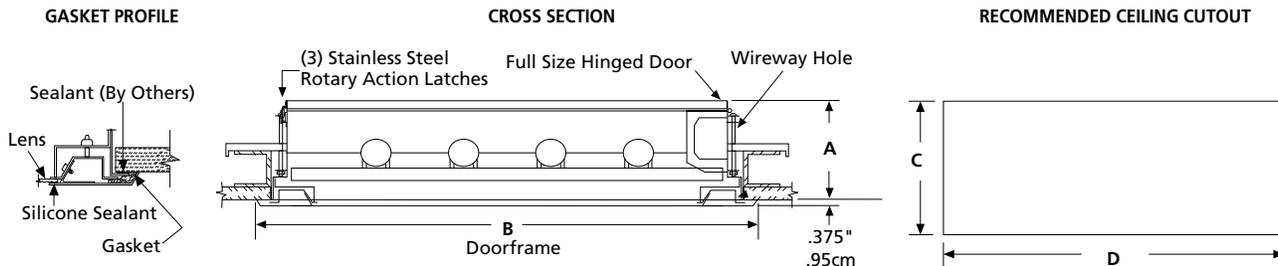
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### DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES & CENTIMETERS)				
	A	B	C	D
1×4	5.68	13.62×49.75	12.10	48.22
<b>30.48cm×121.92cm</b>	14.43	34.59×126.37	30.73	122.48
2×2	5.80	25.60×25.72	24.10	24.22
<b>60.96cm×60.96cm</b>	14.73	65.02×65.33	61.21	61.52
2×4	5.68	25.60×49.75	24.10	48.22
<b>60.96cm×121.92cm</b>	14.43	65.02×126.37	61.21	122.48



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