

# SIMPLESEAL™ RESEARCH

## RSE SERIES – LF FLANGE MOUNT – INSET DOOR

### PRODUCT FEATURES:

- » Recessed; flange mount inset door – 1'x4', 2'x2', 2'x4'
- » Radiated and conducted emissions controlled as per MIL-STD-461F
- » 18-gauge cold rolled steel, hole-free housing
- » One-piece inset door frame, secured to housing with aircraft cables
- » UL certified IP65 per IEC 60598



### PROJECT INFORMATION

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

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

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

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

### SPECIFICATIONS

**HOUSING:** 20-gauge CRS. Hole-free seam welded construction. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**HOUSING FLANGE:** 18-Gauge CRS. Mitered and welded corners then spot-welded to housing before painting.

**DOORFRAME:** 18-gauge CRS. One-piece inset construction welded corners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. One-piece closed cell silicone gasket seals doorframe to housing and ceiling structure.

**LENS:** Two piece design. Smooth lens exterior is .125" clear acrylic, sealed to doorframe with silicone sealant. Interior lens is .030" acrylic micro linear prism, both lenses mechanically secured in place. See options for alternate lens.

**OPTICS:** CRS with a high reflectance powder coated surface. Asymmetric reflectors are premium 95% specular aluminum. Green phosphor lamp (GL Option) located in symmetric reflector area (see Cross Section on back).

**SURESHIELD™:** Stainless steel mesh filter reduces radiated emissions.

**ELECTRICAL:** Electronic ballast <10% THD. Programmed-Start, low voltage electronic dimming ballast (DM7) designed to operate T8 or T5HO fluorescent lamps over a full range of light output (100-3% T8; 100-1% T5HO). Minimum Power Factor .98 for T5HO and .99 for T8. THD at full light output 10%. Operates from compatible 0-10VDC controllers on Class 1 or Class 2 low voltage systems. See Ordering Information for alternate or multiple ballasts and optional equipment. Lamps by others. RFI suppressor standard – one per circuit, one circuit standard.

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

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

**LISTINGS:** UL and CUL Listed for Wet Location. UL certified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone. Meets K230 Leakage Standard for luminaire leakage in pressurized environments and FED-STD-209E/Class 100 (ISO 5) Cleanrooms. Radiated and conducted emissions controlled as per MIL-STD-461F (standard with electronic and electronic dimming ballasts). CCEA approved.



### ORDERING INFORMATION (Ex: RSEFI14-2-32-IS-1-120-2F-2H-MLP)

Model	Lamp Qty/Type	Ballast Type	Lighting Levels	Voltage	Doorframe Option	Housing	Lens Type	Options
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<b>Model</b>		<b>Ballast Type</b>			<b>Doorframe Options</b>		<b>Lens Type</b>	
<b>RSEFI14</b>	1'x4'	<b>IS</b>	Instant Start Electronic <10% THD (T8)		<b>2F</b>	18-Ga CRS Painted (STD)	<b>MLP</b>	Micro Linear Prism (STD)
<b>RSEFI22</b>	2'x2'	<b>RS</b>	Rapid Start Electronic <10% THD (T8,T5,T5HO)		<b>AF</b>	Anodized Aluminum	<b>SL</b>	Specified Lens
<b>RSEFI24</b>	2'x4'	<b>DM7</b>	Low Voltage Electronic Dimming Ballast		<b>PAF</b>	Painted Fabricated Aluminum		
					<b>5F</b>	18-Ga Type 304 SS Brushed		
<b>Lamp Quantity/Type</b>		<b>Lighting Levels</b>			<b>Housing/Flange Options</b>		<b>Options</b>	
<b>1x4</b>		<b>See chart above for ballast and RFI information</b>			<b>2H</b>	20-Ga CRS/18-Ga CRS	<b>EL</b>	One-Lamp Indoor Battery Pack (32°F)
<b>2-28'</b>	Two F28T5	<b>1</b>	One (STD)		<b>2H5</b>	20-Ga CRS/18-Ga Type 304 SS	<b>FS</b>	Fuse & Holder
<b>2-32</b>	Two F32T8	<b>2</b>	Two		<b>5H5</b>	20-Ga Type 304 SS/18-Ga Type 304 SS	<b>HJ</b>	Sealed Wireway
<b>2-54</b>	Two F54T5HO	<b>3</b>	Three (6 lamps only)		<b>PAH</b>	.050" Painted Aluminum	<b>HD</b>	Hinged Door (w/o NSF listings)
		<b>D</b>	Dimmable				<b>RM</b>	Continuous Row Mounting
							<b>PF</b>	Plaster Frame

\*n/a with DM7 ballast

Lighting Levels – Ballast and RFI Information				
LAMPS	LEVEL 1	LEVEL 2	LEVEL 3	VARIABLE LEVEL (DIMMING)
<b>1x4</b>				
(2) T8 Lamps	(1) 2 lamp ballast with (1) RFI filter	(2) 1 lamp ballasts with (2) RFI filters	N/A	(1) 2 lamp dimming ballast with (1) RFI filter
(1) T8 Lamp + (1) T8 Green	N/A	(1) 1 lamp + (1) 1 lamp ballast with (2) RFI filters	N/A	(1) 1 lamp dimming ballast + (1) 1 lamp dimming ballasts with (2) RFI filters
(2) T5HO Lamps (2) TS	(1) 2 lamp ballast with (1) RFI filter	(2) 1 lamp ballasts with (2) RFI filters	N/A	(1) 2 lamp dimming ballast with (1) RFI filter
<b>2x2</b>				
(6) T8 Lamps	(2) 3 lamp ballasts + (1) RFI filter	(1) 4 lamp/(1) 2 lamp ballasts + (2) RFI filters	(3) 2 lamp ballasts + (3) RFI filters	(2) 3 lamp dimming ballasts + (2) RFI filters
(4) T8 Lamps	(1) 4 lamp ballasts + (1) RFI filter	(2) 2 lamp ballasts + (2) RFI filters	N/A	(2) 2 lamp dimming ballasts + (2) RFI filters
(4) T8 Lamps + (2) T8 Green	N/A	(1) 4 lamp + (1) 2 lamp ballast + (2) RFI filters	(2) 2 lamp + (3) RFI filters	(2) 2 lamp dimming ballasts + (1) 2 lamp dimming ballasts + (3) RFI filters
(4) T5HO Lamps (2) TS	(2) 2 lamp ballasts + (1) RFI filter	(2) 2 lamp ballasts + (2) RFI filters	N/A	(2) 2 lamp dimming ballasts + (2) RFI filters
<b>2x4</b>				
(6) T8 Lamps	(2) 3 lamp ballasts + (1) RFI filter	(1) 4 lamp/(1) 2 lamp ballasts + (2) RFI filters	(3) 2 lamp ballasts + (3) RFI filters	(2) 3 lamp dimming ballasts + (2) RFI filters
(4) T8 Lamps	(1) 4 lamp ballasts + (1) RFI filter	(2) 2 lamp ballasts + (2) RFI filters	N/A	(2) 2 lamp dimming ballasts + (2) RFI filters
(4) T8 Lamps + (2) T8 Green	N/A	(1) 4 lamp + (1) 2 lamp ballast + (2) RFI filters	(2) 2 lamp + (3) RFI filters	(2) 2 lamp dimming ballasts + (1) 2 lamp dimming ballasts + (3) RFI filters
(4) T5HO Lamps (2) TS	(2) 2 lamp ballasts + (1) RFI filter	(2) 2 lamp ballasts + (2) RFI filters	N/A	(2) 2 lamp dimming ballasts + (2) RFI filters



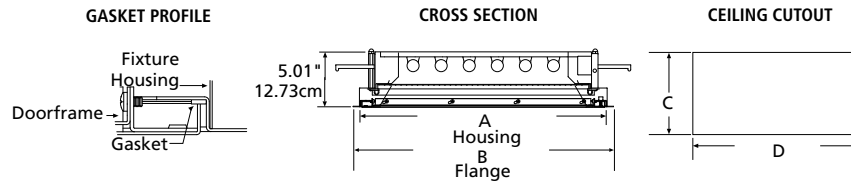
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**DIMENSIONAL DATA**



**DIMENSIONAL DATA (IN INCHES)**

	A	B	C	D
<b>1x4</b>	10.60x49.38	11.75x50.53	10.88	49.68
<b>2x2</b>	22.60x24.12	23.75x25.27	22.86	24.36
<b>2x4</b>	22.60x48.12	23.75x49.27	22.86	48.38

*\*Add .25" to each cut-out dimension when Plaster Frame (PF) Accessory is specified*

