

SIMPLESEAL™ RESEARCH

RSE SERIES – LF GRID MOUNT – INSET DOOR

PRODUCT FEATURES:

- » Recessed grid for 1.0" and 1.5" T-Bar ceilings – 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%. Lens frame secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. 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. One-piece closed cell silicone gasket seals doorframe to housing and ceiling structure.

OPTICS: CRS with a high reflectance powder coated surface.

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: 1.0" and 1.5" T-Bar installation standard. See Options for T-Bar clips and earthquake clips. Consult factory for custom T-bar ceilings.

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: RSEGI14-2-32-IS-1-120-2F-2H-MLP)

Model	Lamp Qty/Type	Ballast Type	Lighting Levels	Voltage	Doorframe Option	Housing/Flange	Lens Type	Options
Model		Ballast Type			Doorframe Options		Lens Type	
RSEGI14 1'x4'		IS Instant Start Electronic <10% THD (T8)			2F 18-Ga CRS Painted (STD)		MLP Micro Linear Prism (STD)	
RSEGI22 2'x2'		RS Rapid Start Electronic <10% THD (T8,T5,T5HO)			AF Anodized Aluminum		SL Specified Lens	
RSEGI24 2'x4'		DM7 Low Voltage Electronic Dimming Ballast			PAF Painted Fabricated Aluminum			
					5F 18-Ga Type 304 SS Brushed			
					Housing/Flange Options		Options	
Lamp Quantity/Type		Lighting Levels			2H 20-Ga CRS/18-Ga CRS (STD)		EC Earthquake Clips	
1x4		See chart above for ballast and RFI information			2H5 20-Ga CRS/18-Ga Type 304 SS		EL One-Lamp Indoor Battery Pack (32°F)	
2-28' Two F28T5		1 One (STD)			5H5 20-Ga Type 304 SS/18-Ga Type 304 SS		FS Fuse & Holder	
2-32 Two F32T8		2 Two			PAH .050" Painted Aluminum		HD Hinged Door (w/o NSF listings)	
2-54 Two F54T5HO		3 Three (6 lamps only)					HJ Sealed Wireway	
		D Dimmable					TC T-Bar Clips	
2x2								n/a with DM7 ballast
2-14' Two F14T5								
3-14' Three F14T5								
4-14' Four F14T5								
6-14' Six F14T5								
2-17 Two F17T8								
3-17 Three F17T8								
4-17 Four F17T8								
6-17 Six F17T8								
2-24' Two F24T5HO								
2x2								
3-24' Three F24T5HO								
4-24' Four F24T5HO								
2x4								
4-28' Four F28T5								
6-28' Six F28T5								
4-32 Four F32T8								
6-32 Six F32T8								
4-54 Four F54T5HO								

Lighting Levels – Ballast and RFI Information				
LAMPS	LEVEL 1	LEVEL 2	LEVEL 3	VARIABLE LEVEL (DIMMING)
1x4				
(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	(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
2x2				
(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 + (1) 2 lamp ballast + (3) RFI filters	(2) 2 lamp dimming ballasts + (1) 2 lamp dimming ballasts + (3) RFI filters
(4) T5HO Lamps + 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
2x4				
(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 + (1) 2 lamp ballast + (3) RFI filters	(2) 2 lamp dimming ballasts + (1) 2 lamp dimming ballasts + (3) RFI filters
(4) T5HO Lamps + 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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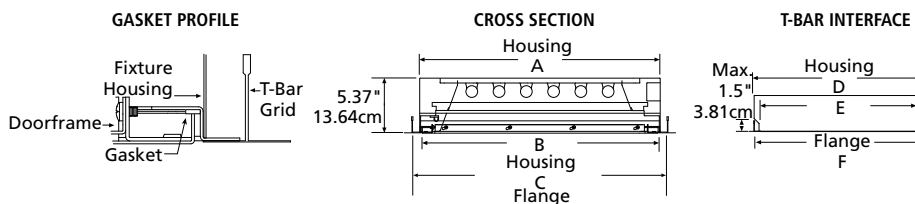
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DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)						
	A	B	C	D	E	F
1x4	10.60	10.20x46.20	11.75x47.75	48.00x22.60	46.59x22.60	47.75x23.75
2x2	22.60	22.20x22.60	23.75x23.75	24.00	22.60	23.75
2x4	22.60	22.20x46.20	23.75x47.75	48.00	46.60	47.75



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