

MEDMASTER™

Surgical Suite Luminaires

M2SE SERIES

PRODUCT FEATURES:

- » Recessed ceiling mount – grid; 2'x2'
- » One-piece sealed housing and doorframe for infection control
- » Smooth exterior lens for cleanability
- » Sureshield™ mesh filter reduces radiated emissions
- » Radiated and conducted emissions controlled as per MIL-STD-461F.



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%. Antimicrobial finish standard on all exposed painted surfaces of installed luminaire.

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. Antimicrobial finish standard on all exposed painted surfaces of installed luminaire.

DOORFRAME GASKET: 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: Symmetric reflectors are CRS with a high reflectance powder coated surface. Asymmetric reflectors are premium 95% specular aluminum. Light direction reflectors are field changeable.

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. CCEA approved. 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).



ORDERING INFORMATION (Ex: M2SEGI22-4-17-RS-L2-120-2F-2H-MLP)

Model	Lamp Qty	Lamp Type	Ballast Type	Lighting Levels	Voltage	Doorframe	Housing/Flange	Lens Type	Options
M2SEGI22									
Lamp Quantity				Lighting Levels – See chart below for ballast and RFI information				Lens Type	
2** Two				L1 One (STD)				MLP Micro Linear Prism (STD)	
3** Three				L2 Two				SL Specified Lens	
4 Four				L3 Three (6 Lamps Only)				Options	
6 Six				LD Dimmable				EL One-Lamp Indoor Battery Pack (32°F)	
4/2 Four White/Two Green				Voltage				FS Fuse & Holder	
Lamp Type				120 120 Volts				GL Green Phosphor Lamps (17W T8, 550nm only, 2 lamps included)	
14 F14T5				277 277 Volts				HJ Sealed Wireway	
17 F17T8				Doorframe Options				HD Hinged Door (w/o NSF listings)	
24• F24T5HO (4 Lamp Max.)				2F 18-Ga CRS Painted (Antimicrobial)				EC Earthquake Clips	
Ballast Type				AF Anodized Aluminum				TC T-Bar Clips	
IS Instant Start Electronic <10% THD (T8)				PAF Painted (Antimicrobial) Fabricated Aluminum				** Symmetric Light Distribution	
RS Rapid Start Electronic <10% THD (CFL,T8,T5,T5HO)				5F 18-Ga Type 304 SS Brushed				• Not available with DM7 ballast	
DM7 Low Voltage Electronic Dimming Ballast				Housing/Flange Options					
				2H 20-Ga CRS/18-Ga CRS (Antimicrobial) (STD)					
				5H 20-Ga Type 304 SS					
				2H5 20-Ga CRS/20-Ga Type 304 SS					
				PAH .050" Painted Aluminum (Antimicrobial)					

Lighting Levels – Ballast and RFI Information				
LAMPS	LEVEL 1	LEVEL 2	LEVEL 3	VARIABLE LEVEL (DIMMING)
(6) T8 Lamps	(2) 3 lamp ballasts + (1) RFI filter	(1) 4 lamp ballast + (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
(2) T8 Green		ballast (green) + (2) RFI filters	(1) 2 lamp ballast (green) + (3) RFI filters	(1) 2 lamp dimming ballasts (green) + (3) RFI filters
(4) T5HO Lamps	(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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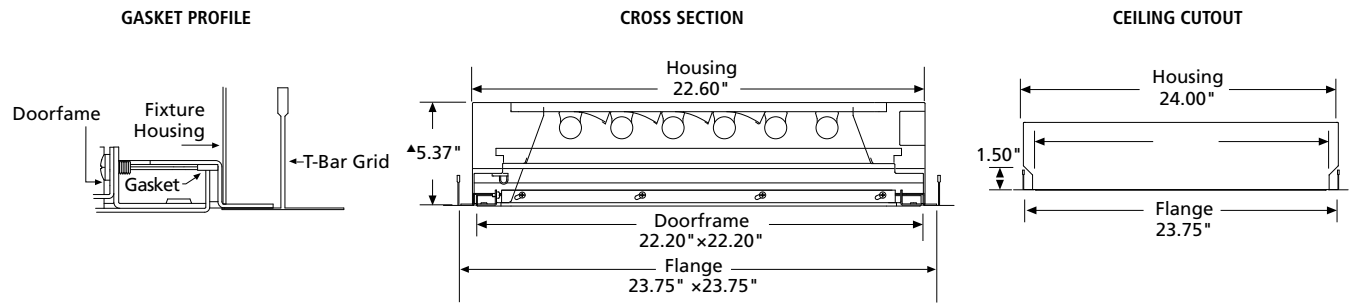
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For additional photometry, go to www.kenall.com

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DIMENSIONAL DATA



▲NOTE: ADD 1.75" TO DEPTH WHEN FOLLOWING IS PICKED

- T8, T5, T5HO lamps with a light level three (3 circuits)
- T5, T5HO lamps with an EL pack for all light levels
- T8 lamps with an EL pack and light levels 2 or 3



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