

MEDMASTER™ Surgical Suite Luminaires

M2SE SERIES

PRODUCT FEATURES:

- » Recessed ceiling mount – flange; 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.

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 fluorescent lamps over a full range of light output (100-3% T8). 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. CCEA approved. 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).



ORDERING INFORMATION (Ex: M2SEFI22-4-17-IS-L2-120-2F-2H-MLP)

Model	Lamp Qty	Lamp Type	Ballast Type	Lighting Levels	Voltage	Doorframe	Housing/Flange	Lens Type	Options
M2SEFI22									
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)				
6	Six			LD	Dimmable				
4/2†	Four White/Two Green								
Lamp Type				Voltage				Options	
14•	F14T5			120	120 Volts			EL	One-Lamp Indoor Battery Pack (32°F)
17	F17T8			277	277 Volts			FS	Fuse & Holder
24•	F24T5HO (4 Lamp Max.)							GL	Green Phosphor Lamps (17W T8, 550nm only, 2 lamps included)
Ballast Type				Doorframe Options				HJ	
IS	Instant Start Electronic <10% THD (T8)			2F	18-Ga CRS Painted (Antimicrobial)			HD	Hinged Door (w/o NSF listings)
RS	Rapid Start Electronic <10% THD (T8,T5,T5HO)			AF	Anodized Aluminum			PF	Plaster Frame
DM7	Low Voltage Electronic Dimming Ballast			PAF	Painted (Antimicrobial) Fabricated Aluminum			IF	Install Frame
				5F				RM	
				18-Ga Type 304 SS Brushed				Continuous Row Mounting	
				Housing/Flange Options				** Symmetric Light Distribution	
				2H 20-Ga CRS (Antimicrobial) (STD)				• n/a with DM7 ballast	
				5H 20-Ga Type 304 SS				† 2 Green Phosphor Lamps included	
				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(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
(2) T8 Green	(2) RFI filters	ballast (green) + (3) RFI filters	(1) 2 lamp ballast (green) + ballasts (green) +	(1) 2 lamp dimming (3) RFI filters
(4) T5HO Lamps	(2) 2 lamp ballasts + (1) RFI filter	(2) 2 lamp ballasts + (2) RFI filters	N/A	N/A
(4) T5 Lamps	(1) RFI filter	(2) RFI filters		



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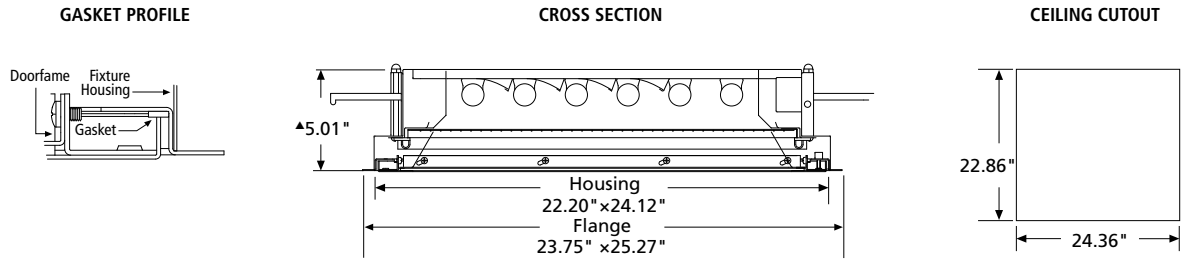
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DIMENSIONAL DATA



▲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 1, 2 or 3

