

MEDMASTER™ Surgical Suite Luminaires

M2SE SERIES

PRODUCT FEATURES:

- » Recessed ceiling mount – flange; 1'x4'
- » 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 is standard on 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. Green phosphor lamp (GL Option) located in symmetric reflector area (see Cross Section).

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.

LISTINGS: UL and CUL Listed for Wet Location. UL certified IP65 per IEC 60598. 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). NSF2 Splash/Non-Food Zone.



ORDERING INFORMATION (Ex: M2SEFI14-2-28-IS-LD-120-2F-2H-MLP)

Model	Lamp Qty	Lamp Type	Ballast Type	Lighting Levels	Voltage	Doorframe	Housing/Flange	Lens Type	Options
M2SEFI14									
Lamp Quantity	Lamp Type		Ballast Type		Doorframe Options		Options		
2 Two			IS Instant Start Electronic <10% THD (T8)		2F 18-Ga CRS Painted Antimicrobial		EL One-Lamp Battery Pack (32" F)		
1/1 One White/One Green			RS Rapid Start Electronic <10% THD (T8,T5,T5HO)		AF Anodized Extruded Aluminum		FS Fuse & Holder		
Lamp Type			DM7 Low Voltage Electronic Dimming Ballast		PAF Painted Antimicrobial Fabricated Aluminum		HJ Sealed Wireway		
28 F28T5					5F 18-Ga Type 304 SS Brushed		GL Green Phosphor Lamp (32W T8, 550nm only, 1 lamp included)		
32 F32T8			Lighting Levels		Housing/Flange Options		HD Hinged Door (w/o NSF listings)		
32/32 One White/One Green			See chart below for ballast and RFI information		2H 20-Ga CRS (Antimicrobial) (STD)		PF Plaster Frame (add .25" to ceiling cutout)		
54 F54T5HO			L1 One		5H 20-Ga Type 304 SS		IF Install Frame		
			L2 Two		2H5 20-Ga CRS/20-Ga Type 304 SS		RM Continuous Row Mounting		
			LD Dimmable		PAH .050" Painted Aluminum (Antimicrobial)				
			Voltage		Lens Type				
			120 120 Volts		MLP Micro Linear Prism				
			277 277 Volts		SL Specified Lens				

Lighting Levels – Ballast and RFI Information			
LAMPS	LEVEL 1	LEVEL 2	VARIABLE LEVEL (DIMMING)
(2) T8 Lamps	(1) 2 lamp ballast with (1) RFI filter	(2) 1 lamp ballasts with (2) RFI filters	(1) 2 lamp dimming ballast with (1) RFI filter
(1) T8 Lamp + (1) T8 Green	N/A	(1) 1 lamp + (1) 1 lamp ballast (green) with (2) RFI filters	(1) 1 lamp dimming ballast + (1) 1 lamp dimming ballasts (green) with (2) RFI filters
(2) T5HO Lamps (2) T5	(1) 2 lamp ballast with (1) RFI filter	(2) 1 lamp ballasts with (2) RFI filters	(1) 2 lamp dimming ballast with (1) RFI filter



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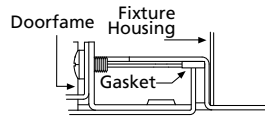
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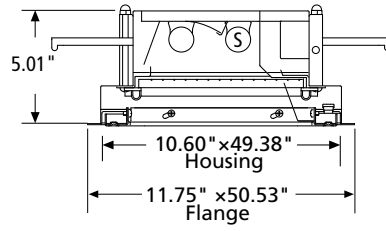
M2SE SERIES

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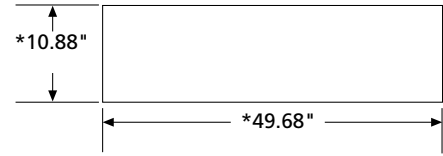
GASKET PROFILE



CROSS SECTION



CEILING CUTOUT



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