

MEDMASTER™ Surgical Suite Luminaires

M2SE SERIES

PRODUCT FEATURES:

- » Surface ceiling mount – 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: 18-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.

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: Four .375" holes for surface mounting.

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

LISTINGS: UL and CUL Listed for Wet Location. UL certified IP65 per IEC 60598. Meets 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: M2SESI14-2-28-RS-LD-120-2F-2H-MLP)

Model	Lamp Qty	Lamp Type	Ballast Type	Lighting Levels	Voltage	Doorframe	Housing	Lens Type	Options
M2SESI14									
Lamp Quantity		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	Lighting Levels		5F	18-Ga Type 304 SS Brushed	GL	Green Phosphor Lamp (32W T8, 550nm only, 1 lamp included)		
32	F32T8	See chart below for ballast and RFI information		Housing Options		HD	Hinged Door (w/o NSF listings)		
32/32	One White/One Green	L1	One	2H	20-Ga CRS (Antimicrobial) (STD)				
54	F54T5HO	L2	Two	5H	20-Ga Type 304 SS				
		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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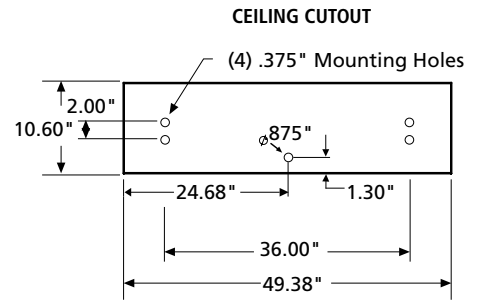
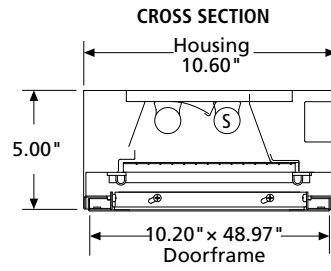
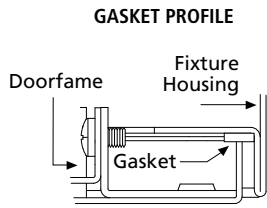
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DIMENSIONAL DATA

For additional photometry, go to www.kenall.com



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