MEDMASTER™

Surgical Suite Luminaires

M2SE SERIES

PRODUCT FEATURES:

- » Recessed ceiling mount flange; $2' \times 4'$
- » 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.

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. Green phosphor lamp (GL Option) located in symmetric reflector area (see Cross Section right). 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: Adjustable swing-out mounting brackets.

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: M2SEFI24-4-28-RS-L2-120-2F-2H-MLP)

Model La	amp Qty	Lamp Type	Ballast Type	Lighting Levels	Voltage	Doorfram	e Housing/Flange	Lens Type	e Options
M2SEFI24									
Lamp Quantity 4 Four 6 Six				hting Levels – See ast and RFI informati		Housi 2H	ng/Flange Options 20-Ga CRS/18-Ga CRS	Opti EL	One-Lamp Indoor Battery Pack (32°F)
6 Six4/2 Four White/Two	o Green		L1 L2 L3	One (STD) Two Three (6 Lamps C)nlv)	5H 2H5	(Antimicrobial) (STD) 20-Ga Type 304 SS 20-Ga CRS/20-Ga Type	FS GL	Fuse & Holder Green Phosphor Lamps (32W T8, 550nm only, 2 lamps included)
Lamp Type 28 F28T5 32 F32T8			LD	Dimmable		PAH	304 SS .050" Painted Aluminum (Antimicrobial)	HD HJ IF	Hinged Door (w/o NSF listings) Sealed Wireway Install Frame
32/32 Four White/Two				Voltage 120 120 Volts 277 277 Volts			ype	PF RM	Plaster Frame (add .25" to ceiling cutout Continuous Row Mount
Ballast TypeISInstant Start EleRSRapid Start EleDM7Low Voltage Ele	ctronic <10%	6 THD (T8, T5,	2F	orframe Options 18-Ga CRS Painte (Antimicrobial) (S Anodized Extrude	TD)	MLP SL	Micro Linear Prism (STD) Specified Lens		

- PAF Painted (Antimicrobial)
- Fabricated Aluminum 5F 18-Ga Type 304 SS Brus
- 5F 18-Ga Type 304 SS Brushed

Lighting Levels – Ballast and RFI Information LAMPS LEVEL 1 LEVEL 2

LAMPS	LEVEL 1	LEVEL 2	LEVEL 3	VARIABLE LEVEL (DIMMING)
(6) T8 Lamps	(2) 3 lamp ballasts +	(1) 4 lamp/(1) 2 lamp ballasts	(3) 2 lamp ballasts +	(2) 3 lamp dimming ballasts +
	(1) RFI filter	+ (2) RFI filters	(3) RFI filters	(2) RFI filters
(4) T8 Lamps	(1) 4 lamp ballasts +	(2) 2 lamp ballasts +	N/A	(2) 2 lamp dimming ballasts +
	(1) RFI filter	(2) RFI filters		(2) RFI filters
(4) T8 Lamps +	N/A	(1) 4 lamp + (1) 2 lamp	(2) 2 lamp +	(2) 2 lamp dimming ballasts +
(2) T8 Green		ballast (green) +	(1) 2 lamp ballast (green) +	 (1) 2 lamp dimming
		(2) RFI filters	(3) RFI filters	ballasts (green) + (3) RFI filters
(4) T5HO Lamps	(2) 2 lamp ballasts +	(2) 2 lamp ballasts +	N/A	(2) 2 lamp dimming ballasts +
	(1) RFI filter	(2) RFI filters		(2) RFI filters



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PROJECT INFORMATION

Job Name _____

Approved by _

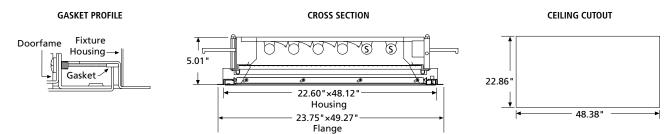


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DIMENSIONAL DATA





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