

# MEDMASTER™

## Surgical Suite Luminaires

### M2SE SERIES

#### PRODUCT FEATURES:

- » Surface ceiling mount – 2'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.

**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. 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:** 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. NSF2 Splash/Non-Food Zone. 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).



#### ORDERING INFORMATION (Ex: M2SESI24-4-28-RS-L2-120-2F-2H-MLP)

Model      Lamp Qty      Lamp Type      Ballast Type      Lighting Levels      Voltage      Doorframe      Housing      Lens Type      Options

#### M2SESI24

##### Lamp Quantity

- 4** Four
- 6** Six
- 4/2** Four White/Two Green

##### Lamp Type

- 28** F28T5
- 32** F32T8
- 32/32** Four White/Two Green
- 54** F54T5HO (4 Lamp Max.)

##### Ballast Type

- IS** Instant Start Electronic <10% THD (T8)
- RS** Rapid Start Electronic <10% THD (T8,T5,T5HO)
- DM7** Low Voltage Electronic Dimming Ballast

##### Lighting Levels – See chart below for ballast and RFI information

- L1** One (STD)
- L2** Two
- L3** Three (6 Lamps Only)
- LD** Dimmable

##### Voltage

- 120** 120 Volts
- 277** 277 Volts

##### Doorframe Options

- 2F** 18-Ga CRS Painted Antimicrobial (STD)
- AF** Anodized Extruded Aluminum
- PAF** Painted (Antimicrobial) Fabricated Aluminum
- 5F** 18-Ga Type 304 SS Brushed

##### Housing Options

- 2H** 20-Ga CRS (Antimicrobial) (STD)
- 5H** 20-Ga Type 304 SS
- PAH** .050" Painted Aluminum (Antimicrobial)

##### Lens Type

- MLP** Micro Linear Prism (STD)
- SL** Specified Lens

##### Options

- EL** One-Lamp Indoor Battery Pack (32°F)
- FS** Fuse & Holder
- GL** Green Phosphor Lamps (32W T8, 550nm only, 2 lamps included)
- HD** Hinged Door (w/o NSF listings)
- HJ** Sealed Wireway

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
(4) T8 Lamps + (2) T8 Green	N/A	(1) 4 lamp + (1) 2 lamp ballast (green) + (2) RFI filters	(2) 2 lamp + (1) 2 lamp ballast (green) + (3) RFI filters	(2) 2 lamp dimming ballasts + (1) 2 lamp dimming ballasts (green) + (3) RFI filters
(4) T5HO Lamps T5	(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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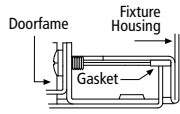
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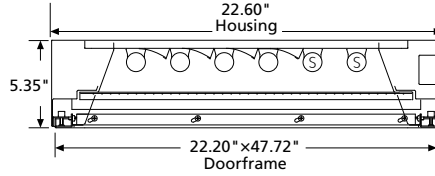
## M2SE SERIES

### DIMENSIONAL DATA

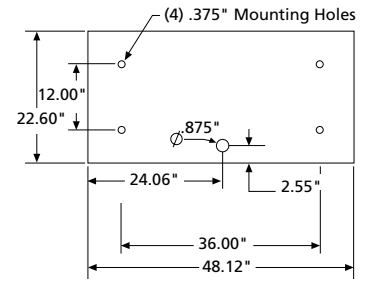
GASKET PROFILE



CROSS SECTION



CEILING CUTOUT



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