

MEDMASTER ENVELA®

Exam Luminaires for Patient Rooms

MEAE SERIES – MOTORIZED EXAM

PRODUCT FEATURES:

- » Recessed ceiling mount – flange or grid; 2'x4'
- » Sealed ambient and exam compartments for infection control
- » High-CRI LED exam lighting
- » Motorized exam positioning with low-voltage control



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS:

HOUSING: 20-gauge CRS, one piece seam welded construction; 18-gauge flange spot-welded to housing. White TGIC polyester powder coat-5 stage pre-treatment. Salt-spray test: 1000 hours.

AMBIENT REFLECTOR: 20-gauge CRS, one-piece seam-welded construction. Tool-free lamp access. White high-reflectance low-gloss TGIC polyester powder coat – 5 stage pre-treatment. Reflectance 90%. Salt spray test: 1,000 hours.

AMBIENT LAMP SHIELDING/LENS: Fully gasketed, sealed luminous shield with impact-resistant DR acrylic. See Ordering Information for lens options.

AMBIENT ELECTRICAL: see Ordering Information for Ambient electrical options; lamps by others. Optional LVCD control provides low-voltage patient interface, controlling the ambient mode independently with ON/OFF and dimming control.

EXAM DOOR: 18-gauge CRS, inset one-piece seam welded construction. Standard doorframe secured to housing with aircraft cable and six (6) captive flush-mounted Phillips-head stainless steel fasteners. HD option secured to housing with stainless steel hinge and two (2) captive flush-mounted Phillips-head stainless steel fasteners. TL option features tool-free compartment access with spring-clip retention. Exam door sealed to housing with closed-cell silicone gasket. Finish to match housing. Clear tempered glass lens sealed to frame with silicone sealant and secured with lens retention system.

EXAM LAMPING: Bi-directional motorized examination lamping system with 0° to 50° rotation and fine position control. Exam lamps remotely operated via wall and handheld control (see below). MR16 or high-CRI LED light source provides focused, high-intensity illumination; see Lamp Options (Exam) for details; MR16 lamps included. 120/277VAC input with internal low-voltage transformer. Chart light optionally available with manual position adjustment; 6.5W LED MR16 included.

EXAM CONTROL: Standard low-voltage wall control provides forward/reverse position control and on-off switching of exam lamps. Lamp position control available even when lamps are powered off. Wall control mounts to a two-gang junction box and connects to luminaire via CAT5 wiring (by others). Optional corded hand controller is easily cleanable and features forward/reverse position control of exam lamps. See technical data sheet for more information.

LUMINAIRE INSTALLATION: GRID MOUNT: 1" grid installation with wire support hardware included. **FLANGE MOUNT:** Mounting yokes and hardware included. See Accessories for additional flange mounting options—Install and Plaster Frame accessory positively locates yoke brackets within ceiling opening to ensure proper luminaire alignment.

LISTINGS: Wet Location Listed to UL1598 and UL8750 (LED) by Intertek Testing Laboratory. Certified IP64 per IEC 60598 by Intertek Testing Laboratory. NSF2 Splash/Non-Food Zone.



ORDERING INFORMATION (Ex: MEAE24-F-4-25-26L30K-IS-1-120-FA-IB-AC)

Model	Mounting	Amb Lamp	Exam Lamp	Amb Ballast	Amb Ballast Qty	Voltage	Amb Lens Type	Exam Door Options	Options	Accessory
MEAE24								IB-		
Mounting Options		Lamp Options (Exam)		Driver Type (Ambient)		Voltage		Options (Ambient Only)		
G	Grid (1")	26L30K	26 Watt 3000K LED, 10° Beam, 92 CRI	IS	Instant Start Electronic <10% THD (T8)	120	120 Volts	LVC	Low Voltage Controller (Click here for specifications)	
F	Flange	6.5L	(3) 6.5 Watt LED, MR16, 20° Beam, 3000K	RS	Rapid Start Electronic <10% THD (T8,T5,T5HO)	277	277 Volts	LVCD	Low Voltage Controller with Dimming (Click here for specifications)	
Lamp Options (Ambient)		Ballast Qty (Ambient)		Door Options (Exam)		Lens Type (Ambient)		TN		Ambient Night Light – 5/7/9 Watt PL (Lamp supplied by others)
2-21**	Two F21T5	1	One	AC	Ingress Barrier w/ Aircraft Cables	FA	Frost DR Acrylic	FS	Fuse & Holder (1 per ballast)	
3-21**	Three F21T5	2	Two	HD	Ingress Barrier w/Continuous Piano Hinge (n/a with NSF2 listing)	CAP	Clear DR Acrylic with Perf	RF	Radio Frequency Filter (1 per ballast) (120/277V only)	
4-21**	Four F21T5			TL	Ingress Barrier – Tool-less Door (Damp Listed only)	Options		Options (Exam Only)		
2-25	Two F25T8			Options		AMF	Antimicrobial Finish on exposed surfaces of Reflector/Doorframe	LCL	6.5 Watt LED, MR16, 20° Beam, 3000K Chart Light	
3-25	Three F25T8					EL	Ambient One-Lamp Emergency Battery Pack	Accessories		
4-25	Four F25T8							IF	Install Frame (Flange only)	
2-39**	Two F39T5HO							PF	Plaster Frame (Flange only)	
3-39**	Three F39T5HO							HC	Remote Hand Controller (See Technical Sheet)	
**Available with RS ballast only										

ACCESSORIES ORDERED SEPARATELY

MPWS Low Voltage Wall Switch (Click [here](#) for Specifications)



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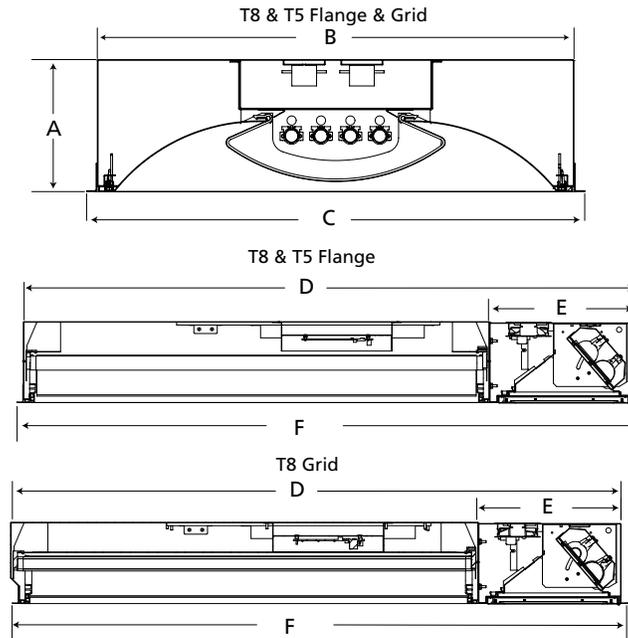
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MEAE SERIES – MOTORIZED EXAM

DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)

	A	B	C	D	E	F
T5 (Grid & Flange)	6.30	22.73	23.75	46.71	11.60	47.75
T8 (Flange)	6.30	22.73	23.75	47.37	11.06	48.40
T8 (Grid)	6.30	23.73	23.75	47.37	11.06	47.75

Recommended Ceiling Cut-out: Flange T5 **23.00x47.00**

Recommended Ceiling Cut-out: Flange T8 **23.00x47.62**

Add .31" to each Ceiling Cutout dimension when Install Frame (IF) or Plaster Frame (PF) accessory is used.



REMOTE HAND CONTROLLER FOR MEDMASTER ENVELA® ADJUSTABLE EXAM

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

PRODUCT FEATURES:

- » Wall-mount and handheld controls for MedMaster Envela® Adjustable Exam luminaire
- » Exam position control, on-off switching, chart light switching
- » Easily cleanable

WALL-MOUNT CONTROL : Flush-to-surface membrane buttons provide forward/reverse position control, on-off switching of exam lamps and on-off switching of optional LED/halogen chart light. Smooth surface design facilitates cleaning protocols. Includes input port for optional handheld controller. Connects to luminaire via low-voltage CAT5 wiring and powered by luminaire. No separate power source required. Wall controller mounts to a standard two-gang square wall box. Mounting hardware included.

HANDHELD CONTROL : Flush-to-surface membrane buttons provide forward/reverse position control of exam lamps. Smooth surface design facilitates cleaning protocols. Eight-foot cord connects via RCA jack to wall controller.

EXAM WALL CONTROL: 4.50" x 4.50" x 1.00" D (Total)

EXAM HAND CONTROL: 5.75" x 2.00" x 1.10" D



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