

MEDMASTER ENVELA® Patient Room Luminaires

MEP SERIES

PRODUCT FEATURES:

- » Switched ambient-exam (bi-level) illumination modes
- » Recessed ceiling mount – grid or flange; 2'x2' and 2'x4'
- » Stands up to rigorous cleaning protocols
- » Tool-less access for relamping and maintenance



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: 20-gauge CRS. One-piece seam-welded construction. Black TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours.

HOUSING FLANGE: 18-gauge CRS, standard 4-piece construction, spot-welded to housing. Mitered and welded corners.

REFLECTOR/LENS ASSEMBLY: 20-gauge CRS with one-piece appearance. Matte white TGIC polyester powder coat finish – 5-stage pre-treatment. Salt spray test: 1,000 hours. Tool-free lamp access.

INTERNAL REFLECTOR: Luminaires with 4 (2/2) lamps are provided with specular aluminum reflector. Luminaires with 3 lamps are provided with white high-reflectance low-gloss TGIC polyester powder coat finish.

LAMP SHIELDING: Fully gasketed, sealed luminous shield of impact resistant DR acrylic. See Ordering Information for lens options.

ELECTRICAL: Two (2) line-voltage wall switches (supplied by others) control driver/ballast output (0%/50%/100%) for ambient-exam lighting modes. **LED:** Serviceable mid-power LED array. Available 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance, 82 CRI. 120-277VAC, 50/60Hz electrical input with serviceable high power factor (<20% THD, >0.95 PF) electronic, constant current driver. **Linear Fluorescent:** Electronic 120, 277 or 347V ballasts (<10% THD, >0.90 PF). Fluorescent lamps by others. See Ordering Information for optional equipment.

INSTALLATION: Grid Mount: Designed for 1" and Slot-T grid. Includes hardware to secure hanger wire. Flange Mount: Includes drywall Frame Kit.

PHOTOMETRICS: Photometry tested to IESNA LM-79-08 test procedure. For additional photometric data, please go to www.kenall.com

WARRANTY: Limited five (5) year warranty.

LISTINGS: UL and CUL Listed for Wet Location. UL certified IP64 per IEC 60598. NSF2 Splash/Non-Food Zone.



ORDERING INFORMATION (Ex: MEP22-G-3-24-RS-2-120-FA)

Model	Mounting Options	Lamp Type	Ballast/Driver	Ballast/Driver Qty	Voltage	Lens Type	Options
Series		Lamp Type		Ballast/Driver Quantity			
MEP22 2'x2'		2'x2'		1 One Circuit (LED only)			
MEP24 2'x4'		3-24 Three F24T5HO		2 Two Circuits			
		2-17-2-24 Two F17T8 and Two T24T5HO					
Mounting Options		2'x4'		Voltage			
G Grid (1")		90L35K 90 Watt 3500K LED		120 120 Volts			
ST Grid (Slot T)		90L40K 90 Watt 4000K LED		277 277 Volts			
F Flange		90L50K 90 Watt 5000K LED		347 347 Volts (n/a with 2x2) (Consult Factory)			
		3-54 Three F54T5HO		DV 120-277 Volts			
		2-32-2-54 Two F32T8 and Two T54T5HO					
		Ballast/Driver Type		Lens Type			
		DCC Dimming Constant Current		FA Frosted DR Acrylic			
		RS Rapid Start Electronic <10% THD		CAP Clear DR Acrylic with Perforated Insert			
		SB Specified Ballast					
				Options			
				AMF Antimicrobial Low-Gloss White on exposed surfaces of Reflector/Lens Frame			
				EL†• One-Lamp Emergency Battery Pack (32°F)			
				FS Fuse & Holder (1 per ballast)			
				LVC† Low Voltage Controller (Click here for specifications)			
				RF† Radio Frequency Filter (1 per ballast)			
				TN† Night Light			
				†n/a with 347V			
				•n/a with LED Lamp Type			

ACCESSORIES ORDERED SEPERATELY

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



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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MEDMASTER ENVELA®

Patient Room Luminaires

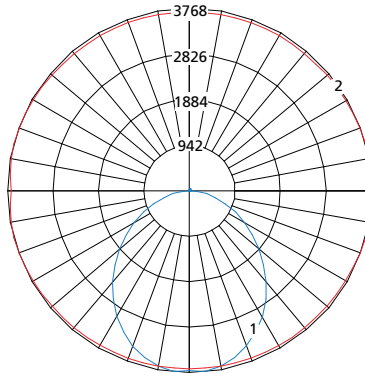
MEP SERIES

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
90L35K	9540	96	99	94	60,000
90L40K	10170	102	99	94	60,000
90L50K	10577	106	99	94	60,000

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.

Model: MEP24-G-90L40K-DCC-DV-FA

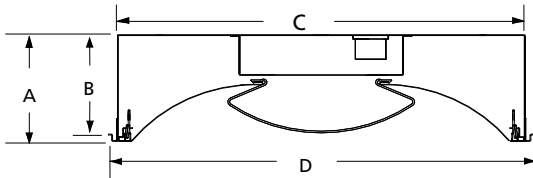


Maximum Candela = 3768 Located At Horizontal Angle = 15, Vertical Angle = 5

- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

CROSS SECTION

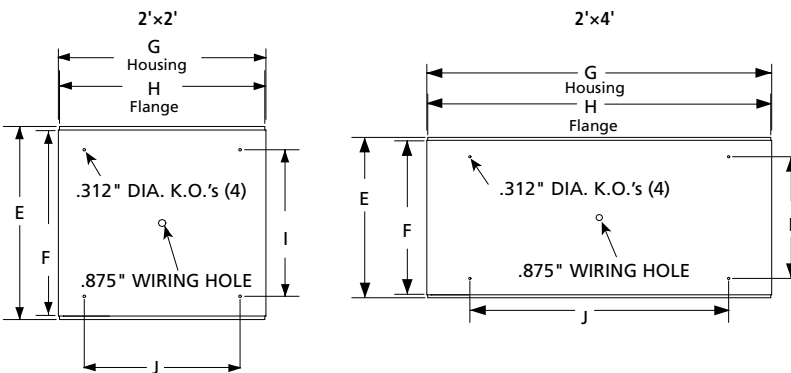


DIMENSIONAL DATA (IN INCHES)

	A	B*	C	D	E	F	G	H	I	J
2x2	6.30	5.93*	22.70	23.72	23.72	22.70	23.98	23.72	18.00	18.00
Recommended Ceiling Cut-Out 24.50x24.50 (Flange fixtures)										
2x4	6.30	5.93*	22.70	23.72	23.72	22.70	47.98	47.72	18.00	36.00
Recommended Ceiling Cut-Out 24.50x48.50 (Flange fixtures)										

*ST Mounting Option Only

BACK VIEW



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