

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'
- » Cleanable to NSF2 and sealed to IP64 construction standards
- » 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. Housing flange in 18-gauge CRS, with mitered and welded corners, spot-welded to housing. Mitered and welded corners. Black TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours.

REFLECTOR/LENS ASSEMBLY: Fully gasketed, sealed luminous shield diffuser constructed of impact-resistant frosted DR acrylic (FA) or clear acrylic with perforated metal insert (PAF). Reflector constructed in one-piece, formed 20-gauge CRS. Low-gloss white TGIC polyester powder coat with 5-stage pre-treatment. Salt spray test 1,000 hours. Tool-less lamp access.

ELECTRICAL: Two (2) line-voltage wall switches (supplied by others) control driver/ballast output (0%/50%/100%) for ambient-exam lighting modes. When ordered with low-voltage controller option (LVC), product is configured for a single line-voltage input as well as a low-voltage control input for ambient and exam operational modes (0%/50%/100% control). **LED:** Serviceable mid-power LED array. Available 3000K, 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 or 277 ballasts (<10% THD, >0.90 PF). Fluorescent lamps by others. See Ordering Information for optional equipment.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, click [here](#).

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: MEP24-G-90L35K-DCC-DV-FA-LVC)

Model	Mounting Options	Lamp Type	Ballast/Driver	Voltage	Lens Type	Options
Series		Lamp Type		Voltage		
MEP22 2'x2'		2'x2'		120 120 Volts		
MEP24 2'x4'		3-24 Three F24T5HO		277 277 Volts		
		2-17-2-24 Two F17T8 and Two T24T5HO		DV 120-277 Volts		
Mounting Options		2'x4'		Lens Type		
G Grid (1")		90L30K 90 Watt 3000K LED		FA Frosted DR Acrylic		
ST Slot-T Grid		90L35K 90 Watt 3500K LED		CAP* Clear DR Acrylic with Perforated Insert		
F Flange		90L40K 90 Watt 4000K LED		Options		
		90L50K 90 Watt 5000K LED		AMF Antimicrobial Low-Gloss White on exposed surfaces of Reflector/Lens Frame		
		3-54 Three F54T5HO		FS Fuse & Holder		
		2-32-2-54 Two F32T8 and Two T54T5HO		LVC^ Low Voltage Controller (Click here for specifications)		
		Ballast/Driver Type				
		DCC Dimming Constant Current				
		RS Rapid Start Electronic <10% THD				
		SB Specified Ballast				
						* Selection results in significant reduction in lighting performance
						^ n/a with fluorescent lampping

ACCESSORIES ORDERED SEPARATELY

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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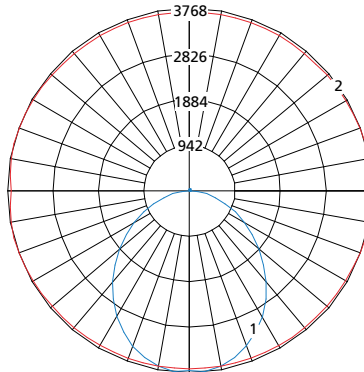
MEP SERIES

PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
MEP24	90L30K	9,539	96	99	94	80,000
	90L35K	9,834	99			
	90L40K	10,170	103			
	90L50K	10,577	107			

Displayed information is for type 'FA' diffuser. Apply 0.52 derating factor to provided output values for 'CAP' diffuser option. Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric data, please go to www.kenall.com

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

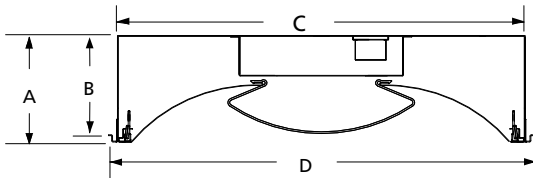


Maximum Candela = 3768 Located At Horizontal Angle = 15, Vertical Angle = 5

- 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

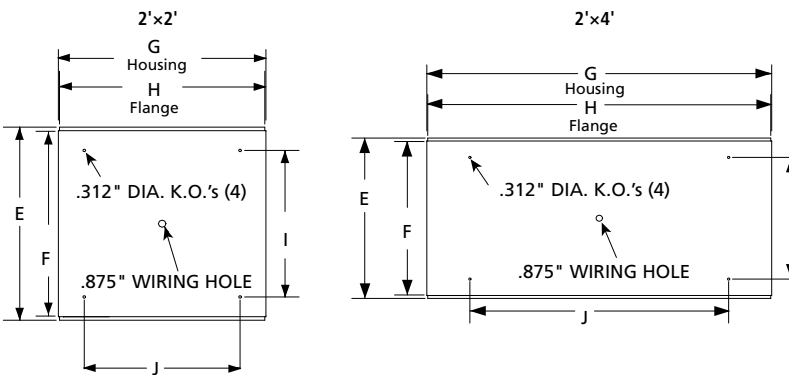


DIMENSIONAL DATA (IN INCHES)

	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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