

# MEDMASTER ENVELA® Patient Room Luminaires

## ME SERIES using Indigo-Clean Technology

### PRODUCT FEATURES:

- » Ceiling mount – 1'x4', 2'x2', 2'x4'
- » Provides on-demand environmental disinfection via LED light
- » Single, white disinfection mode
- » Independent laboratory tested to kill harmful bacteria, including Staph\*, such as MRSA\*\*
- » Fully sealed NSF2 rated impact resistant acrylic lens
- » 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.

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

**REFLECTOR/LENS ASSEMBLY:** 20-gauge CRS. One-piece seam-welded construction. Tool-free lamp access. White High (92%) Reflectance Low Gloss TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours.

**LAMP SHIELDING:** Fully gasketed, sealed luminous shield of impact resistant DR acrylic.

**ELECTRICAL:** Single, white disinfection mode. Serviceable mid-power white and 405nm Indigo LED array. Available 3200K, 3700K and 4300K color temperature with 3-step MacAdam variation allowance. Minimum 82 CRI standard. 120-277VAC and 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current drivers (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities. 400µA maximum source current. Optional LVCD control provides low-voltage patient interface, controlling the primary light engine independently with ON/OFF and dimming control.

**INSTALLATION:** **GRID MOUNT:** Designed for 1" and Slot-T grid. Includes hardware to secure hanger wire. **FLANGE MOUNT:** Includes Frame Kit.

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric data, please go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year warranty on LED lamps.

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

\* Per independent lab report #5GS-09516076094. Contact Kenall for a copy of this report.

\*\*Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, ID Week 2016.



### ORDERING INFORMATION (Ex: ME22-G-55C37K-DCC-DV-FA)

Model	Mounting Options	Lamp Type	Driver Type	Voltage	Lens Type	Options
			<b>DCC</b>			
					<b>FA</b>	
<b>Series</b>		<b>Lamp Type</b>		<b>Voltage</b>		
<b>Model</b>		<b>1x4</b>		<b>DV</b>		
<b>ME14</b>	1'x4'	<b>55C32K</b>	55 Watt 3200K White & Indigo LED (82 CRI)	<b>120</b>	120 Volts	
<b>ME22</b>	2'x2'	<b>55C37K</b>	55 Watt 3700K White & Indigo LED (82 CRI)	<b>277</b>	277 Volts	
<b>ME24</b>	2'x4'	<b>55C43K</b>	55 Watt 4300K White & Indigo LED (82 CRI)	<b>347</b>	347 Volts	
<b>Mounting Options</b>		<b>2x2</b>		<b>Lens Type</b>		
<b>G</b>	Grid (1")	<b>55C32K</b>	55 Watt 3200K White & Indigo LED (82 CRI)	<b>FA</b>	Frosted DR Acrylic	
<b>ST</b>	Grid (Slot T) (2x2 & 2x4 only)	<b>55C37K</b>	55 Watt 3700K White & Indigo LED (82 CRI)			
<b>F</b>	Flange	<b>55C43K</b>	55 Watt 4300K White & Indigo LED (82 CRI)			
		<b>2'x4'</b>		<b>Options</b>		
		<b>55C32K</b>	55 Watt 3200K White & Indigo LED (82 CRI)	<b>AMF</b>	Antimicrobial Low-Gloss White on exposed surfaces of Reflector/Lens Frame	
		<b>55C37K</b>	55 Watt 3700K White & Indigo LED (82 CRI)	<b>FS</b>	Fuse & Holder	
		<b>55C43K</b>	55 Watt 4300K White & Indigo LED (82 CRI)	<b>LVC*</b>	Low Voltage Controller (Click <a href="#">here</a> for specifications)	
		<b>82C32K</b>	82 Watt 3200K White & Indigo LED (82 CRI)	<b>LVCD*</b>	Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)	
		<b>82C37K</b>	82 Watt 3700K White & Indigo LED (82 CRI)	<b>RF*</b>	Radio Frequency Filter (Voltage specific selection required)	
		<b>82C43K</b>	82 Watt 4300K White & Indigo LED (82 CRI)			
		<b>110C32K</b>	110 Watt 3200K White & Indigo LED (82 CRI)			
		<b>110C37K</b>	110 Watt 3700K White & Indigo LED (82 CRI)			
		<b>110C43K</b>	110 Watt 4300K White & Indigo LED (82 CRI)			
		<b>Driver Type</b>				
		<b>DCC</b>	0-10V Dimming Constant Current			

#### ACCESSORIES ORDERED SEPARATELY

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

\* n/a with 347V



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# MEDMASTER ENVELA® Patient Room Luminaires

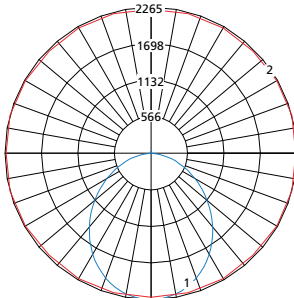
## ME SERIES using Indigo-Clean Technology

### PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C (lm)	Efficacy (lm/W)			
ME14	55C32K	5,539	88	63	125	80,000
	55C37K	5,682	90	63	125	80,000
	55C43K	5,740	91	63	125	80,000
ME22	55C32K	4,988	80	62	125	80,000
	55C37K	5,117	83	62	125	80,000
	55C43K	5,169	83	62	125	80,000
ME24	55C32K	6,240	99	63	125	80,000
	55C37K	6,401	102	63	125	80,000
	55C43K	6,466	103	63	125	80,000
	82C32K	9,422	101	93	93	80,000
	82C37K	9,666	104	93	93	80,000
	82C43K	9,765	105	93	93	80,000
	110C32K	11,611	93	125	125	80,000
	110C37K	11,912	95	125	125	80,000
	110C43K	12,034	96	125	125	80,000

Information subject to change without notice. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

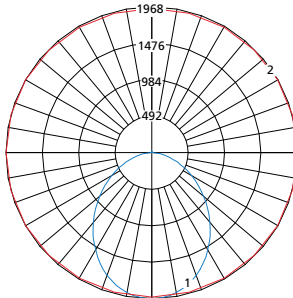
Model: ME14-XX-55C37K-DCC-DV-FA



Max Candela = 2265 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

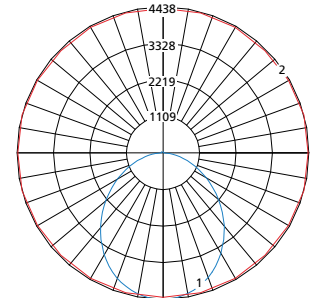
Model: ME22-XX-55C37K-DCC-DV-FA



Max Candela = 1968 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

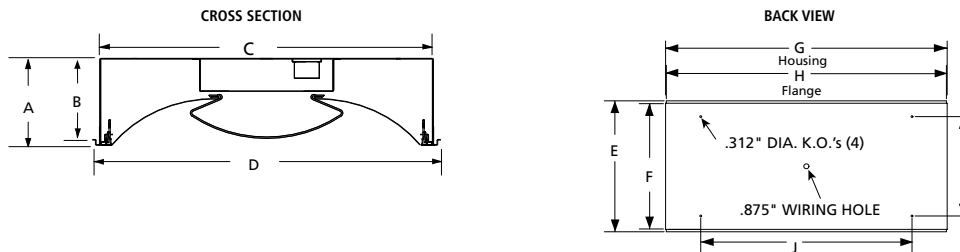
Model: ME24-XX-110C37K-DCC-DV-FA



Max Candela = 4438 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

### DIMENSIONAL DATA



	A	B*	C	D	E	F	G	H	I	J
1x4	6.30	5.93*	10.70	11.70	10.70	11.70	47.98	47.72	8.00	36.00
Recommended Ceiling Cut-Out 12.50x48.50 (Flange fixtures)										
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



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