

# MEDMASTER™

## Patient Room Luminaires

### MPCAIE SERIES

#### PRODUCT FEATURES:

- » Ceiling mount – recessed grid, flange or surface; 2'x2' & 2'x4'
- » Ambient/Reading and indirect exam functions
- » Ingress Barrier Door provides consistent surface for cleanability



#### PROJECT INFORMATION

Job Name \_\_\_\_\_  
 Fixture Type \_\_\_\_\_  
 Catalog Number \_\_\_\_\_  
 Approved by \_\_\_\_\_

#### SPECIFICATIONS

**HOUSING:** FLANGE AND GRID: 20-gauge CRS one-piece seam welded construction. SURFACE: 18-gauge CRS one-piece seam welded construction. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test 1,000 hours. Reflectance 92%. (See options for Antimicrobial Finish). Housing Flanges – 18-gauge CRS .

**DOORFRAME:** Heavy duty extruded aluminum with clear satin anodized finish. Doorframe supported to housing with aircraft cables (IB-AC) to provide NSF2 listing, or an optional continuous hinged doorframe (IB-HD). Select in ordering options below. Phillips-head stainless steel fasteners secure door to housing- 8 with IB-AC and 2 with IBHD. Extruded closed cell gasket seals lens frame to housing.

**LENS:** Supplied with IB-AC or IB-HD Options. .125" clear high impact acrylic. Sealed to extrude aluminum frame with a vinyl gasket.

**LAMP SHIELDING:** Ambient center shield is frosted linear high impact prismatic acrylic, flanked on both sides with a perforated aluminum basket with pearlescent acrylic diffuser. Metal parts are white TGIF polyester powder coat finish.

**ELECTRICAL:** Available 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC, or 347V 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); 330µA max. source current per circuit. Optional LVC and LVCD provides a low-voltage patient interface, controlling the ambient, exam, reading and optional night light functions with (LVCD) and without (LVC) dimming control. Consult factory for fluorescent option.

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

**INSTALLATION :** Surface Mount: Four .312" diameter holes. Grid Mount: Designed for 1" and 1.5" grid. (Housing includes hanging brackets to secure housing with wire to super structure). Flange Mount: Yoke mounting hardware & brackets included. Install Frame positively locates yoke brackets within ceiling opening assures alignment of fixture. Install frame has no need for drywall backing. Backing is supplied on the frame brackets.

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

**LISTINGS:** Luminaire certified to UL standards by Intertek Testing Laboratory for Wet Locations and non-IC installations (Grid/Flange mounting). ETL certified IP65 per IEC 60598. CCEA approved (Flange). NSF2 Splash/Non-Food Zone (IB-AC only).



#### ORDERING INFORMATION (Ex: MPCAIE22-G-38L/38L-35K8-DCC-DV-IB-AC)

Model	Mounting Options	Lamp Type	Lamp Color	Driver	Voltage	Doorframe	Options	Accessories
		/	<b>DCC</b>		<b>IB-</b>			
<b>Model</b>				<b>Driver</b>			<b>Options</b>	
MPCAIE22	2'x2'			DCC	Dimming Constant Current Driver		LEL <sup>▲</sup>	10W LED Emergency Battery Pack
MPCAIE24	2'x4'						AMF	Antimicrobial Finish on exposed surfaces
<b>Mounting</b>				<b>Voltage</b>			NLW <sup>▲</sup>	2700K White LED Night Light
S	Surface			120	120 Volts		NLA <sup>▲</sup>	Amber LED Night Light
G	Grid			277	277 Volts		FS	Single Fuse & Holder
F	Flange			347	347 Volts		LRL	Dual 3500K, 90CRI Reading Lights
<b>Lamp Type</b>				DV	120-277 Volts		LVC <sup>▲</sup>	Low Voltage Controller (Click <a href="#">here</a> for specifications)
2'x2'				<b>Doorframe</b>			LVCS <sup>▲</sup>	Low Voltage Controller with Secondary Conduit Entry (Click <a href="#">here</a> for specifications)
38L/38L	38 Watt Ambient/38 Watt Exam LED			AC	Ingress Barrier w/Aircraft Cables (Std.)		LVCD <sup>▲</sup>	Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)
2'x4				HD	Ingress Barrier w/Continuous Piano Hinge		LVCD <sup>▲</sup>	Low Voltage Controller with Dimming and Secondary Conduit Entry (Click <a href="#">here</a> for specifications)
45L/90L	45 Watt Ambient/90 Watt Exam LED						RF <sup>†</sup>	Radio Frequency Filter
67L/90L‡	67 Watt Ambient/90 Watt Exam LED							
<b>Ambient/Exam Lamp Color</b>							<b>Accessories</b>	
35K8	3500K, 82CRI						IF**	Install Frame (Flange only)
40K8	4000K, 82CRI							
50K8	5000K, 82CRI							

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

▲ n/a with 347V  
 † n/a with DV  
 ‡ n/a with LEL option



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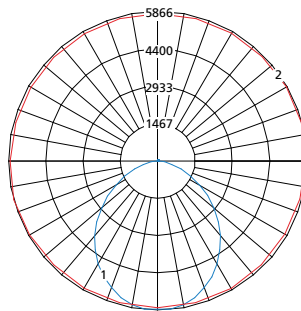
**MPCAIE SERIES**

**PERFORMANCE**

Model	Compartment	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
			@ 25°C	Efficacy (lm/W)			
MPCAIE22	Ambient	38L-35K8	4,753	108	44	105	80,000
		38L-40K8	4,911	112	44	105	80,000
		38L-50K8	5,058	115	44	105	80,000
	Exam	38L-35K8	3,858	88	44	105	80,000
		38L-40K8	3,986	91	44	105	80,000
		38L-50K8	4,105	94	44	105	80,000
	Ambient/Exam	38L/38L-35K8	8,448	97	87	105/105	80,000
		38L/38L-40K8	8,772	101	87	105/105	80,000
		38L/38L-50K8	9,036	104	87	105/105	80,000
MPCAIE24	Ambient	45L-35K8	3,856	79	49	100	80,000
		45L-40K8	4,110	84	49	100	80,000
		45L-50K8	4,275	87	49	100	80,000
		67L-35K8	6,179	85	73	75	80,000
		67L-40K8	6,587	90	73	75	80,000
		67L-50K8	6,850	94	73	75	80,000
	Exam	90L-35K8	6,891	70	99	100	60,000
		90L-40K8	7,346	74	99	100	60,000
		90L-50K8	7,640	77	99	100	60,000
	Ambient/Exam	45L/90L-35K8	10,519	71	148	100/100	60,000
		45L/90L-40K8	11,213	76	148	100/100	60,000
		45L/90L-50K8	11,662	79	148	100/100	60,000
		67L/90L-35K8	12,751	74	172	75/100	60,000
		67L/90L-40K8	13,594	79	172	75/100	60,000
		67L/90L-50K8	14,138	82	172	75/100	60,000

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

Model: MPCAIE24-G-22-67L/90L-40K8-DCC-DV-AC



Maximum Candela = 5866 Located At Horizontal Angle = 195, Vertical Angle = 5

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



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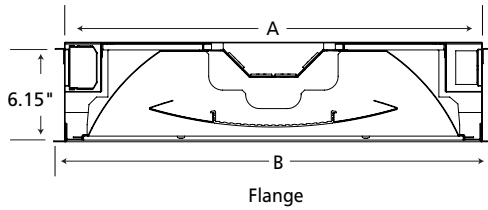
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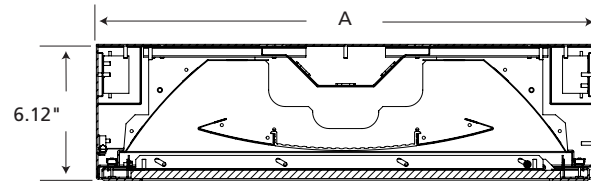
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#### DIMENSIONAL DATA

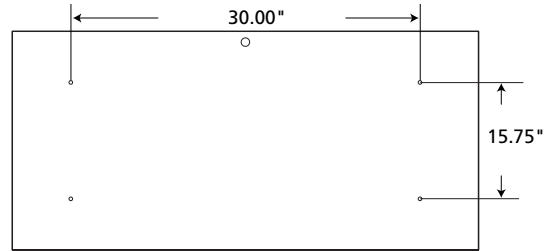
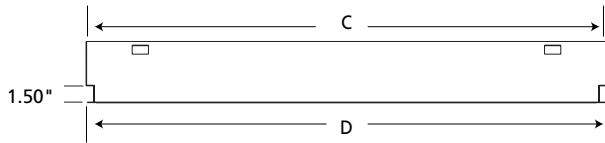
FLANGE MOUNT



SURFACE MOUNT



GRID MOUNT SIDE VIEW



DIMENSIONAL DATA (IN INCHES)				
	A	B	C	D
2×2 (GRID)	5.56	22.60	24.00	23.75
2×2 (FLANGE)	5.56	22.60	24.12	25.28
2×4 (GRID)	6.00	22.60	48.00	47.75
2×4 (FLANGE)	6.00	22.60	48.12	49.28
RECOMMENDED CEILING CUTOUT				
2×2	22.60×24.13			
2×4	22.60×48.13			
** ADD .25" TO EACH CUT-OUT DIMENSION WHEN INSTALL FRAME (IF ACCESSORY IS SPECIFIED (FLANGE ONLY))				

