

# 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, 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, maximum driver source of 500 µA. See Ordering Information for optional equipment. Lamps by others. Exam area NEC compliant with isolated wiring compartment for auxiliary branch circuit feed. All ballasts are Rapid Start only. Consult factory for fluorescent option. Optional LVCD control provides low-voltage patient interface, controlling the ambient function independently with dimming control, and the exam function independently without dimming.

**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 warranty.

**LISTINGS:** UL and CUL Listed for Wet Location and UL certified IP65 per IEC 60598. CCEA approved (Flange). NSF2 Splash/Non-Food Zone (IB-AC only).



#### ORDERING INFORMATION (Ex: MPCAIE22-G-45L/45L-35K8-DCC-120-IB-AC)

Model	Mounting Options	Lamp Type	Lamp Color	Driver	Voltage	Doorframe	Options	Accessories
		<b>/</b>		<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> †	LED Emergency Battery Pack
MPCAIE24	2'x4'						AMF	Antimicrobial Finish on exposed surfaces
<b>Mounting</b>				<b>Voltage</b>			DLN <sup>▲</sup>	LED Night Light with 100%-20% Light Level Control (voltage specific selection required)
S	Surface			120	120 Volts		DLNA <sup>▲</sup>	Amber LED Night Light with 100%-20% Light Level Control (voltage specific selection required)
G	Grid			277	277 Volts		TN <sup>▲</sup> †	Night Light – 5/7/9 Watt PL (Lamp supplied by others)
F	Flange			347	347 Volts		FS	Single Fuse & Holder
<b>Lamp Type</b>				DV	120-277 Volts		LRL <sup>†</sup>	LED Reading Lights (2 lamps included)
2'x2'				<b>Doorframe</b>			MRL <sup>▲</sup> †	MR16 Reading Lights (2) (20W lamps included)
45L/45L <sup>▼</sup>	45 Watt Ambient/45 Watt ExamLED			AC	Ingress Barrier w/Aircraft Cables (Std.)		LVC <sup>▲</sup>	Low Voltage Controller (Click <a href="#">here</a> for specifications)
2'x4				HD	Ingress Barrier w/Continuous Piano Hinge		LVCD <sup>▲</sup>	Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)
45L/90L	45 Watt Ambient/90 Watt ExamLED						RF <sup>▲</sup> †	Radio Frequency Filter
67L/90L <sup>▼‡</sup>	45 Watt Ambient/90 Watt ExamLED						<b>Accessories</b>	
<b>Ambient/Exam Lamp Color</b>							IF <sup>**</sup>	Install Frame (Flange only)
35K8	3500K, 82CRI							
40K8	4000K, 82CRI							
50K8	5000K, 82CRI							

- ▲ n/a with 347V
- † n/a with DV
- ‡ n/a with LEL option
- \* n/a on 2x2 when DLN/DLNA and LRL are specified
- ▼ n/a with DLN or DLNA option

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



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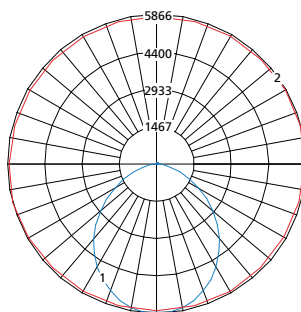
**MPCAIE SERIES**

**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	45L-35K8	3369	69	49	94	80,000
		45L-40K8	3592	73	49	94	80,000
		45L-50K8	3735	76	49	94	80,000
	Exam	45L-35K8	2934	59	50	94	80,000
		45L-40K8	3128	63	50	94	80,000
		45L-50K8	3253	65	50	94	80,000
	Ambient/Exam	45L/45L-35K8	6185	63	98	94	80,000
		45L/45L-40K8	6594	67	98	94	80,000
		45L/45L-50K8	6858	70	98	94	80,000
MPCAIE24	Ambient	45L-35K8	3856	79	49	94	80,000
		45L-40K8	4110	84	49	94	80,000
		45L-50K8	4275	87	49	94	80,000
		67L-35K8	6179	85	73	66	60,000
		67L-40K8	6587	90	73	66	60,000
		67L-50K8	6850	94	73	66	60,000
	Exam	90L-35K8	6891	70	99	94	60,000
		90L-40K8	7346	74	99	94	60,000
		90L-50K8	7640	77	99	94	60,000
	Ambient/Exam	45L/90L-35K8	10519	71	148	94/94	60,000
		45L/90L-40K8	11213	76	148	94/94	60,000
		45L/90L-50K8	11662	79	148	94/94	60,000
		67L/90L-35K8	12751	74	172	66/94	60,000
		67L/90L-40K8	13594	79	172	66/94	60,000
		67L/90L-50K8	14138	82	172	66/94	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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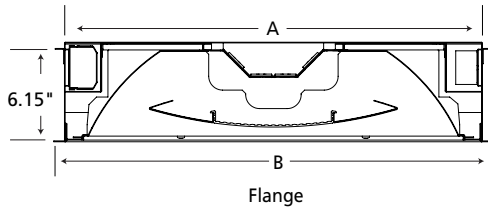
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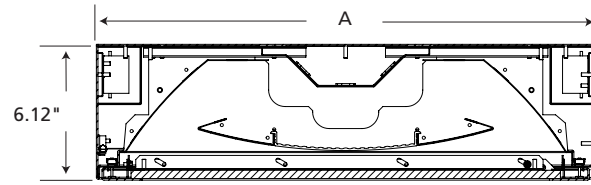
### MPCAIE SERIES

#### DIMENSIONAL DATA

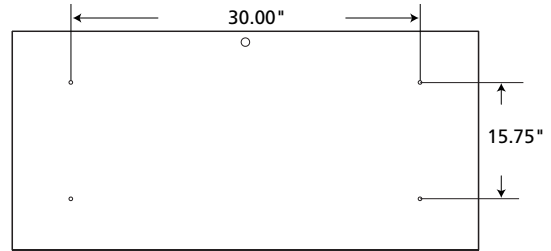
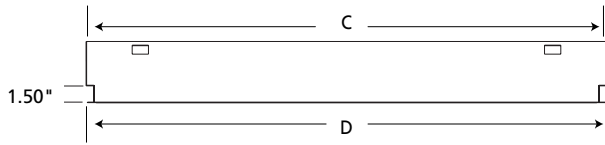
FLANGE MOUNT



SURFACE MOUNT



GRID MOUNT SIDE VIEW



**DIMENSIONAL DATA (IN INCHES)**

	A	B	C	D
2x2 (GRID)	5.56	22.60	24.00	23.75
2x2 (FLANGE)	5.56	22.60	24.12	25.28
2x4 (GRID)	6.00	22.60	48.00	47.75
2x4 (FLANGE)	6.00	22.60	48.12	49.28

**RECOMMENDED CEILING CUTOUT**

2x2	22.60x24.13
2x4	22.60x48.13

\*\* ADD .25" TO EACH CUT-OUT DIMENSION WHEN INSTALL FRAME (IF ACCESSORY IS SPECIFIED (FLANGE ONLY))



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