

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 LVCD control provides low-voltage patient interface, controlling the ambient function independently with dimming control, and the exam function independently without dimming. Optional secondary conduit entry available. Consult factory for fluorescent option.

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-120-IB-AC)

Model	Mounting Options	Lamp Type	Lamp Color	Driver	Voltage	Doorframe	Options	Accessories
		/		DCC		IB-		
Model				Driver			Options	
MPCAIE22	2'x2'			DCC	Dimming Constant Current Driver		LEL [▲] †	LED Emergency Battery Pack
MPCAIE24	2'x4'						AMF	Antimicrobial Finish on exposed surfaces
Mounting				Voltage			DLN [▲]	LED Night Light with 100%-20% Light Level Control (voltage specific selection required)
S	Surface			120	120 Volts		DLNA [▲]	Amber LED Night Light with 100%-20% Light Level Control (voltage specific selection required)
G	Grid			277	277 Volts		TN [▲] †	Night Light – 5/7/9 Watt PL (Lamp supplied by others)
F	Flange			347	347 Volts		FS	Single Fuse & Holder
Lamp Type				DV	120-277 Volts		LRL [†]	LED Reading Lights (2 lamps included)
2'x2'				Doorframe			MRL [▲] †	MR16 Reading Lights (2) (20W lamps included)
38L/38L [▼]	38 Watt Ambient/38 Watt Exam LED			AC	Ingress Barrier w/Aircraft Cables (Std.)		LVC [▲]	Low Voltage Controller (Click here for specifications)
2'x4				HD	Ingress Barrier w/Continuous Piano Hinge		LVCS [▲]	Low Voltage Controller with Secondary Conduit Entry (Click here for specifications)
45L/90L	45 Watt Ambient/90 Watt Exam LED						LVCD [▲]	Low Voltage Controller with Dimming (Click here for specifications)
67L/90L [▼] ‡	67 Watt Ambient/90 Watt Exam LED						LVCD5 [▲]	Low Voltage Controller with Dimming and Secondary Conduit Entry (Click here for specifications)
Ambient/Exam Lamp Color							RF [▲] †	Radio Frequency Filter
35K8	3500K, 82CRI						Accessories	
40K8	4000K, 82CRI						IF ^{**}	Install Frame (Flange only)
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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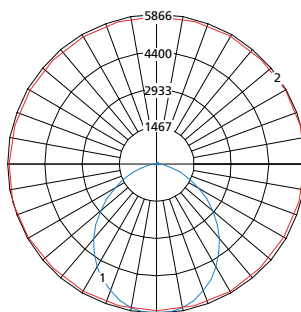
MPCAIE SERIES

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	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 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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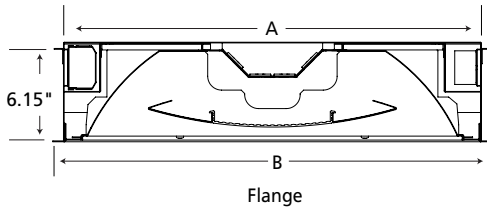
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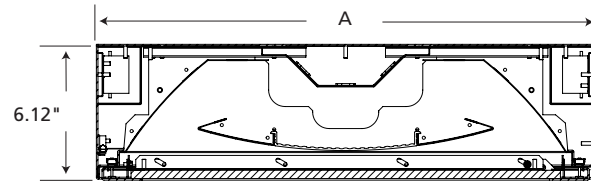
MPCAIE SERIES

DIMENSIONAL DATA

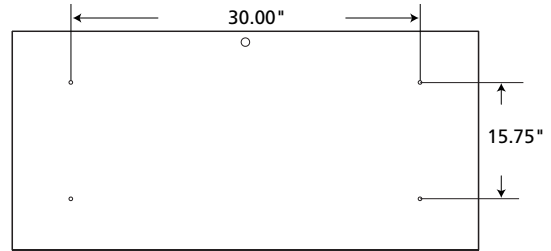
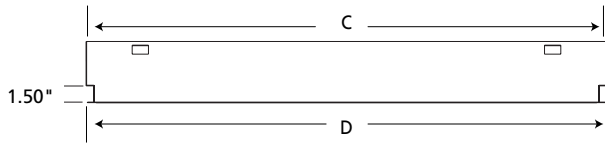
FLANGE MOUNT



SURFACE MOUNT



GRID MOUNT SIDE VIEW



DIMENSIONAL DATA (IN INCHES)

	A	B	C	D
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))

