

# MEDMASTER™

## Behavioral Healthcare Luminaires

### MMPCAIE SERIES

#### PRODUCT FEATURES:

- » Ceiling mount – recessed flange or surface; 2'x2' & 2'x4'
- » Heavy-duty one-piece TIG and spot welded housing
- » Doorframe with Polycarbonate lens secured with Torx® fasteners for security



#### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

#### SPECIFICATIONS

**HOUSING:** Die-formed prime grade material as specified – see Ordering Information. TIG and spot welded construction.

**DOORFRAME:** One-piece die-formed prime grade material as specified – see Ordering Information. Corners continuously seam welded and smooth with no post grinding (TIG).

**FINISH:** TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Optional antimicrobial finish.

**LENS:** As specified maximum thickness is .375". See ordering information.

**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 TGIC polyester powder coat finish.

**ELECTRICAL: LED:** 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. **LF:** Fluorescent electronic ballasts high power factor (<10% THD). 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. Optional LVCD control provides low-voltage patient interface, controlling the ambient function independently with dimming control, and the exam function independently without dimming.

**INSTALLATION: FLANGE MOUNT:** – Mounting yoke brackets standard. Fixture mounting hardware included. Install Frame Accessory positively locates yoke brackets within ceiling opening; assures alignment of fixture. No measuring for yoke required; no drywall backing required (included with frame assembly). **SURFACE MOUNT:** – Four .312" diameter holes.

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

**LISTINGS:** LED: Luminaire is certified to UL standards by Intertek Testing Laboratory for Wet Locations and non-IC installations. FL: UL and CUL Listed for Wet Location and UL certified IP65 per IEC 60598. CCEA approved (Flange). NSF2 Splash/Non-Food Zone.



#### ORDERING INFORMATION (Ex: MMPCAIE22-S-0/0-7-38L/38L-35K8-DV)

Model	Mounting	Door/Housing Material	Lens Type	Lamp Qty	Lamp Type	Lamp Color	Driver	Voltage	Options	Accessory
<b>Model</b>			<b>Lens Type</b>					<b>Voltage</b>		
<b>MMPCAIE22</b> 2'x2'			<b>7</b> .187" Clear Polycarbonate					<b>DV</b> 120-277 Volts		
<b>MMPCAIE24</b> 2'x4'			<b>9</b> .250" Clear Polycarbonate					<b>120</b> 120 Volts		
			<b>B</b> .375" Clear Polycarbonate					<b>277</b> 277 Volts		
								<b>347</b> 347 Volts		
<b>Mounting</b>			<b>Lamp Quantity (Fluorescent Only)</b>						<b>Options</b>	
<b>S</b> Surface			<b>Ambient Compartment</b>						<b>AMF</b> Antimicrobial Finish on exposed surfaces	
<b>F</b> Flange			<b>1</b> One Lamp						<b>EL*†</b> Standard Lumen One-Lamp EL Pack (T8 only)	
			<b>2</b> Two Lamps						<b>DLN▲</b> LED Night Light w/ 100% - 20% Light Level Control (voltage specific selection required)	
<b>Door/Housing Material</b>			<b>Exam Compartment</b>						<b>DLNA▲</b> Amber LED Night Light w/ 100% - 20% Light Level Control (voltage specific selection required)	
<b>0</b> 14-Ga CRS (Painted)			<b>2</b> Two lamps						<b>TN†▲</b> Night Light – 5/7/9 Watt PL (Lamp supplied by others)	
<b>1</b> 16-Ga CRS (Painted)			<b>Lamp Type</b>						<b>FS</b> Single Fuse & Holder	
<b>2</b> 18-Ga CRS (Painted) (n/a as Door Material)			<b>2'x2'</b>						<b>LRL▲</b> LED Reading Lights (2 lamps included)	
<b>3</b> 14-Ga SS (Painted)			<b>38L/38L</b> 38 Watt Ambient/38 Watt Exam LED						<b>MRL†▲</b> MR16 Reading Lights (2) (20W lamps included)	
<b>4</b> 16-Ga SS (Painted)			<b>14†</b> F14T5						<b>LVC†*</b> Low Voltage Controller (Click <a href="#">here</a> for specifications)	
<b>6</b> 14-Ga SS (Brushed)			<b>17</b> F17T8						<b>LVCD†*</b> Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)	
<b>7</b> 16-Ga SS (Brushed)			<b>24†</b> F24T5HO						<b>RF†▲</b> Radio Frequency Filter	
<b>B</b> 18-Ga SS (Painted White) (n/a as Door Material)										
<b>A</b> 18-Ga SS (Brushed) (n/a as Door Material)			<b>2'x4</b>							
			<b>45L/90L</b> 45 Watt Ambient/90 Watt Exam LED							
			<b>67L/90L</b> 67 Watt Ambient/90 Watt Exam LED							
			<b>28†</b> F28T5							
			<b>32</b> F32T8							
			<b>54</b> F54T5HO							
			<b>Ambient/Exam Lamp Color</b>							
			<b>35K8</b> 3500K, 82CRI							
			<b>40K8</b> 4000K, 82CRI							
			<b>50K8</b> 5000K, 82CRI							
			<b>Driver Type (LED only)</b>							
			<b>DCC</b> Dimming Constant Current Driver							
									<b>Accessory</b>	
									<b>IF</b> Install Frame (Flange only)	
									† n/a with 347V	
									▲ n/a with DV	
									* Not available on 2x2 when DLN/DLNA and LRL are specified	
										<b>ACCESSORIES ORDERED SEPERATELY</b>
										<b>MPWS</b> Low Voltage Wall Switch (Click <a href="#">here</a> for Specifications)



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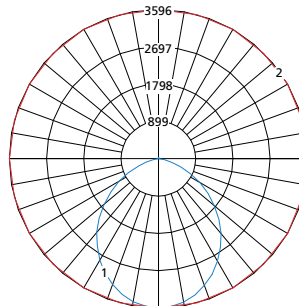
**MMPCAIE SERIES**

**PERFORMANCE**

Model	Compartment	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
			@ 25°C	Efficacy (lm/W)			
MMPCAIE22	Ambient	38L-35K8	4,483	102	44	105	80,000
		38L-40K8	4,631	105	44	105	80,000
		38L-50K8	4,770	108	44	105	80,000
	Exam	38L-35K8	3,639	83	44	105	80,000
		38L-40K8	3,759	86	44	105	80,000
		38L-50K8	3,872	88	44	105	80,000
	Ambient/Exam	38L/38L-35K8	8,009	92	87	105/105	80,000
		38L/38L-40K8	8,273	95	87	105/105	80,000
		38L/38L-50K8	8,522	97	87	105/105	80,000
MMPCAIE24	Ambient	45L-35K8	3,637	74	49	100	80,000
		45L-40K8	3,876	79	49	100	80,000
		45L-50K8	4,032	82	49	100	80,000
		67L-35K8	5,828	80	73	75	80,000
		67L-40K8	6,212	85	73	75	80,000
		67L-50K8	6,460	88	73	75	80,000
	Exam	90L-35K8	6,499	66	99	100	60,000
		90L-40K8	6,928	70	99	100	60,000
		90L-50K8	7,205	73	99	100	60,000
	Ambient/Exam	45L/90L-35K8	9,921	67	148	100/100	60,000
		45L/90L-40K8	10,575	71	148	100/100	60,000
		45L/90L-50K8	10,999	74	148	100/100	60,000
67L/90L-35K8		12,026	70	172	75/100	60,000	
67L/90L-40K8		12,821	75	172	75/100	60,000	
67L/90L-50K8		13,334	78	172	75/100	60,000	

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: MMPCAIE22-w-x-y-9-38L/38L-40K8-DCC-z



Maximum Candela = 3596 Located At Horizontal Angle = 0, Vertical Angle = 0

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



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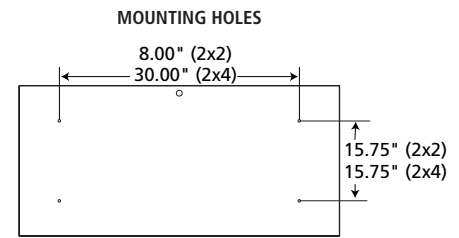
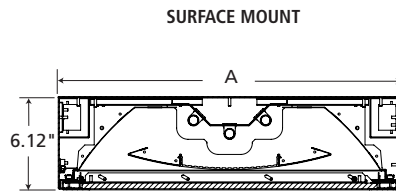
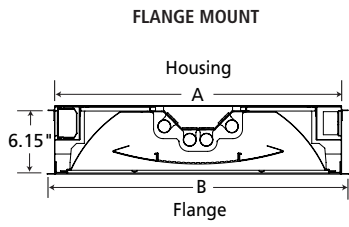
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### DIMENSIONAL DATA



#### DIMENSIONAL DATA (IN INCHES)

	(A) 18-Ga	(A) 16-Ga	(A) 14-Ga	(B) FLANGE
2x2: T5/LED-FLANGE	22.62x22.62	22.65x22.65	22.68x22.68	23.75x23.75
2x2: T5/LED-SURFACE	22.55x22.54	22.58x22.59	22.64x22.64	n/a
2x4: T5/LED-FLANGE	22.63x46.62	22.65x46.65	22.68x46.68	23.75x47.75
2x4: T5/LED-SURFACE	22.55x46.54	22.58x46.59	22.65x46.64	n/a
2x2: T8/BIAX-FLANGE	22.62x24.14	22.65x24.17	22.68x24.20	23.75x25.27
2x2: T8-SURFACE	22.55x24.06	22.58x24.11	22.65x24.16	n/a
2x4: T8-FLANGE	22.62x48.14	22.65x48.17	22.68x48.20	23.75x49.27
2x4: T8-SURFACE	22.55x48.06	22.58x48.11	22.65x48.16	n/a

#### RECOMMENDED CEILING CUT-OUT

2x2: T5/LED	22.93x22.85
2x4: T5/LED	22.93x46.85
2x2: T8	22.93x24.37
2x4: T8	22.93x48.37

ADD .375" TO EACH CUT-OUT DIMENSION WHEN INSTALL FRAME (IF) IS SPECIFIED. FLANGE ONLY.



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