

# 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:** 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.

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

**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:** Luminaire is certified to UL standards by Intertek Testing Laboratory for Wet Locations and non-IC installations. 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 Type	Lamp Color	Driver	Voltage	Options	Accessory
						<b>DCC</b>			
<b>Model</b>			<b>Lens Type</b>			<b>Voltage</b>			
MMPCAIE22 2'x2'			7 .187" Clear Polycarbonate			DV 120-277 Volts			
MMPCAIE24 2'x4'			9 .250" Clear Polycarbonate			120 120 Volts			
			B .375" Clear Polycarbonate			277 277 Volts			
						347 347 Volts			
<b>Mounting</b>			<b>Lamp Type</b>			<b>Options</b>			
S Surface			2'x2'			AMF Antimicrobial Finish on exposed surfaces			
F Flange			38L/38L 38 Watt Ambient/38 Watt Exam LED			NLW† 2700K White LED Night Light			
			2'x4			NLA† Amber LED Night Light			
<b>Door/Housing Material</b>			45L/90L 45 Watt Ambient/90 Watt Exam LED			FS Single Fuse & Holder			
0 14-Ga CRS (Painted)			67L/90L 67 Watt Ambient/90 Watt Exam LED			LRL▲ LED Reading Lights (2 lamps included)			
1 16-Ga CRS (Painted)						MRL†▲ MR16 Reading Lights (2) (20W lamps included)			
2 18-Ga CRS (Painted) (n/a as Door Material)			<b>Ambient/Exam Lamp Color</b>			LVC†* Low Voltage Controller (Click <a href="#">here</a> for specifications)			
3 14-Ga SS (Painted)			35K8 3500K, 82CRI			LVCD†* Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)			
4 16-Ga SS (Painted)			40K8 4000K, 82CRI			RF†▲ Radio Frequency Filter			
6 14-Ga SS (Brushed)			50K8 5000K, 82CRI			<b>Accessory</b>			
7 16-Ga SS (Brushed)			<b>Driver Type</b>			IF Install Frame (Flange only)			
B 18-Ga SS (Painted White) (n/a as Door Material)			DCC Dimming Constant Current Driver						
A 18-Ga SS (Brushed) (n/a as Door Material)									

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

† n/a with 347V  
 ▲ n/a with DV  
 \* Not available on 2x2 when NLW/NLA and LRL are specified



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## Behavioral Healthcare Luminaires

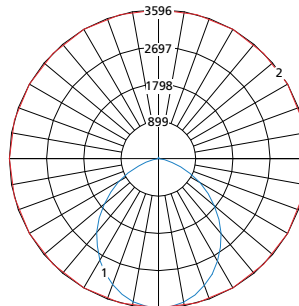
### MMPCAIE SERIES

#### 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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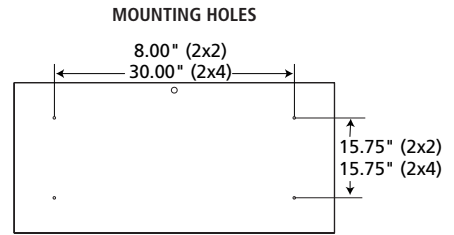
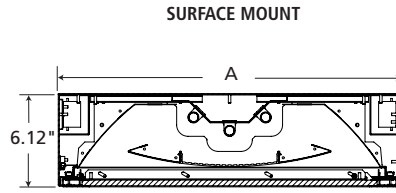
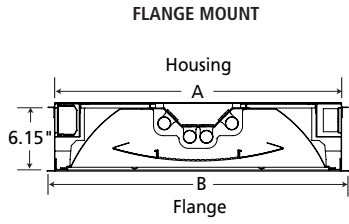
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### DIMENSIONAL DATA



#### 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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