

# MEDMASTER™

## Behavioral Healthcare Luminaires

### MMPC SERIES

#### PRODUCT FEATURES:

- » Ceiling mount – recessed flange or surface; 2'x2' and 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). Door frame secured to housing with steel aircraft cables.

**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 .375" – see Ordering Information.

**LAMP SHIELDING:** Ambient compartment lamps shielded by perforated steel (white TGIC polyester powder coat finish) with pearlescent acrylic diffuser. 2x4: Exam compartment shielded by diffused impact-resistant acrylic lens.

**GASKET:** Closed cell silicone gasket seals door to housing.

**DOOR FASTENERS:** Torx® head with center pin hardened security screws. Fully recessed.

**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 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 and reading modes independently with dimming control, and the exam function independently without dimming.

**INSTALLATION:** SURFACE MOUNT: Four .312" diameter holes. 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:** Luminaire certified to UL standards by Intertek Testing Laboratory for Wet Location and non-IC installations (Flange Mounting). ETL certified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone.



#### ORDERING INFORMATION (Ex: MMPC24-F-1/1-9-25L/45L/90L-35K8-35K8-DCC-DV-LVC)

Model	Mounting	Door/Housing	Lens Type	Lamp Power	R/A Lamp Color	Exam Lamp Color	Driver	Voltage	Options	Accessories
							<b>DCC</b>			
<b>Series</b>			<b>Lamp Power</b>		<b>Options</b>					
MMPC22	2'x2'			2'x2'	LEL† LED Emergency Battery Pack (wired to Ambient function)					
MMPC24	2'x4'			25L/45L	25 Watt Reading/45 Watt Ambient LED					
<b>Mounting Options</b>			<b>2'x4</b>		25L/45L/90L 25 Watt Reading/45 Watt Ambient/90 Watt Exam LED					
S	Surface				<b>Reading/Ambient Lamp Color</b>					
F	Flange				35K8 3500K, 82CRI					
<b>Door/Housing Material</b>					40K8 4000K, 82CRI					
0	14-Ga CRS (Painted)				50K8 5000K, 82CRI					
1	16-Ga CRS (Painted)				<b>Exam Lamp Color</b>					
2	18-Ga CRS (Painted; n/a as Door Material)				35K8 3500K, 82CRI					
3	14-Ga SS (Painted)				40K8 4000K, 82CRI					
4	16-Ga SS (Painted)				50K8 5000K, 82CRI					
6	14-Ga SS (Brushed)				<b>Driver</b>					
7	16-Ga SS (Brushed)				DCC Dimming Constant Current Driver					
<b>Lens Type</b>					<b>Voltage</b>					
7	.187" Clear Polycarbonate				DV 120-277VAC, 50/60Hz					
9	.250" Clear Polycarbonate				347 347VAC, 60Hz					
B	.375" Clear Polycarbonate									
							<b>Accessories</b>			
							IF Install Frame (Flange only)			
							† n/a with 347V			
<b>ACCESSORIES ORDERED SEPARATELY</b>										
MPWS Low Voltage Wall Switch (Click <a href="#">here</a> for Specifications)										



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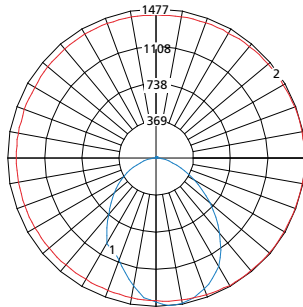
**MMPC SERIES**

**PERFORMANCE**

Model	Compartment	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
			@ 25°C	Efficacy (lm/W)			
MMPC22	Reading	25L-35K8	1,063	48	22	94	80,000
		25L-40K8	1,134	52	22	94	80,000
		25L-50K8	1,179	54	22	94	80,000
	Ambient	45L-35K8	2,155	58	37	94	80,000
		45L-40K8	2,297	62	37	94	80,000
		45L-50K8	2,389	65	37	94	80,000
	Exam/Ambient	25L/45L-35K8	3,194	54	59	94/94	80,000
		25L/45L-40K8	3,406	58	59	94/94	80,000
		25L/45L-50K8	3,542	60	59	94/94	80,000
MMPC24	Reading	25L-35K8	1,488	51	29	94	80,000
		25L-40K8	1,586	55	29	94	80,000
		25L-50K8	1,649	57	29	94	80,000
	Ambient	45L-35K8	2,768	56	49	94	80,000
		45L-40K8	2,951	60	49	94	80,000
		45L-50K8	3,069	63	49	94	80,000
	Exam	90L-35K8	7,054	73	97	94	60,000
		90L-40K8	7,520	78	97	94	60,000
		90L-50K8	7,820	81	97	94	60,000
	Reading/Ambient/Exam	25L/45L/90L-35K8	11,115	64	175	94/94/94	60,000
		25L/45L/90L-40K8	11,850	68	175	94/94/94	60,000
		25L/45L/90L-50K8	12,324	70	175	94/94/94	60,000

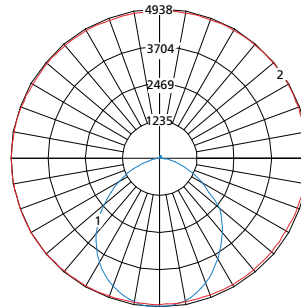
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: MMPC22-G-1-9-25L/45L-40K8-40K8-DCC-DV



Maximum Candela = 1477 Located At Horizontal Angle = 0, Vertical Angle = 5  
 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: MMPC24-G-1-9-25L/45L/90L-40K8-40K8-DCC-DV

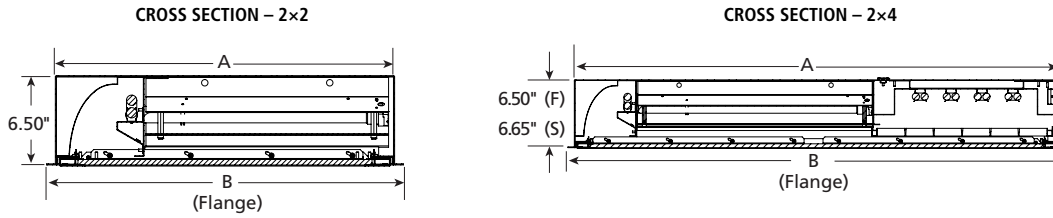


Maximum Candela = 4938 Located At Horizontal Angle = 210, Vertical Angle = 5  
 1 - Vertical Plane Through Horizontal Angles (210-30) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

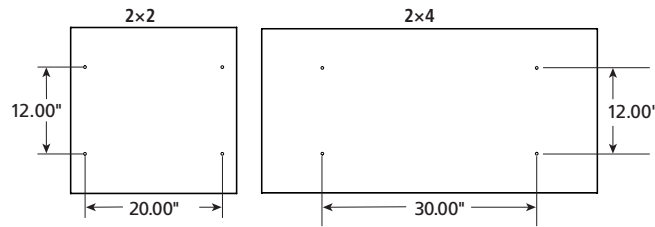


**MMPC SERIES**

**DIMENSIONAL DATA**



**MOUNTING HOLES – SURFACE**



**DIMENSIONAL DATA (IN INCHES)**

	<b>A (HOUSING)</b>	<b>B (FLANGE)</b>
<b>2x2 Flange</b>	18-Ga: 23.03x23.03/ 16-Ga: 23.05x23.05/14-Ga: 23.08x23.08	24.26 x24.26
<b>2x4 Flange</b>	18-Ga: 23.03x47.03/ 16-Ga: 23.05x47.05/14-Ga: 22.58x46.64	24.26x48.26
<b>2x2 Surface</b>	18-Ga: 22.94x22.94/ 16-Ga: 22.99x22.99/14-Ga: 23.05x23.05	-----
<b>2x4 Surface</b>	18-Ga:22.94x46.94/ 16-Ga: 22.99x46.99/14-Ga: 23.05x47.05	-----

Recommended Ceiling Cutout – Flange Mount:

**2x2:** 23.25x23.25

**2x4:** 23.25x47.25

\*\*Add .375" to each cut-out dimension when Install Frame (IF) Accessory is specified