

# MEDMASTER™

## Patient Room Luminaires

### MPCADE SERIES

#### PRODUCT FEATURES:

- » Ceiling mount – recessed grid, recessed flange or surface; 2'x2' & 2'x4'
- » Ambient and exam lighting with optional reading compartment
- » 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 seam welded one-piece 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 IB-HD. Extruded closed cell gasket seals doorframe to housing.

**LENS:** .125" clear high impact acrylic. Sealed to extruded aluminum frame with a vinyl gasket.

**LAMP SHIELDING:** Exam compartment shielded by frosted linear prismatic high impact acrylic. Ambient compartment shielded by 100% internal fluted high impact acrylic.

**ELECTRICAL:** LED: Available 3500K, 4000K and 5000K color temperatures with 3-step MacAdam variation allowance, 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 maximum source current per circuit. LE: Fluorescent electronic ballasts, high power factor (<10% THD). See Ordering Information for optional equipment. Lamps by others. 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 and Plaster Frames both 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 on LED lamps.

**LISTINGS:** Luminaire certified to UL Standards by Intertek Testing Laboratory for Wet Locations and non-IC installations (Grid/Flange Mounting). NSF2 Splash/Non-Food Zone (IB-AC only). CCEA approved for grid or flange mount.



#### ORDERING INFORMATION (Ex: MPCADE24-G-45L/90L-40K8-DCC-277-IB-AC-LEL)

Model	Mounting Options	Lamp Qty	Lamp Type	Lamp Color	Ballast/Driver	Voltage	Doorframe	Options	Accessories	
		<b>I</b>					<b>IB-</b>			
<b>Model</b>		<b>Lamp Qty</b>	<b>Lamp Type</b>					<b>Options</b>		
MPCADE22	2'x2'	2x2						LEL** 8.4W LED Emergency Battery Pack (0°C min operating temperature)		
MPCADE24	2'x4'	25L/45L	25 Watt Ambient/45 Watt Exam LED					AMF Antimicrobial Finish on exposed surfaces		
		17	F17T8					DLN** LED Night Light with 100%-20% Light Level Control (voltage specific selection required)		
<b>Mounting Options</b>		14	F14T5					DLNA** Amber LED Night Light with 100%-20% Light Level Control (voltage specific selection required)		
S	Surface	24	F24T5HO					LVC* Low Voltage Controller (Click <a href="#">here</a> for specifications; n/a with 347V)		
G	Grid (1" and 1.5")							LVCS* Low Voltage Controller with Secondary Knockout (Click <a href="#">here</a> for specifications; n/a with 347V)		
F	Flange							LVCD* Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications; n/a with 347V)		
<b>Lamp Quantity</b>								LVCD5* Low Voltage Controller with Dimming and Secondary Knockout (Click <a href="#">here</a> for specifications; n/a with 347V)		
(Fluorescent Only)		2x4						EL*† One-Lamp Emergency Battery Pack (32°F)		
<b>Ambient Compartment</b>		45L/90L	45 Watt Ambient/90 Watt Exam LED					FS Single Fuse & Holder (1 per compartment)		
1	One Lamp	32	F32T8					LRL** LED Reading Lights (2 lamps included)		
2	Two Lamps	28	F28T5					RF* Radio Frequency Filter		
<b>Exam Compartment</b>		54	F54T5HO					RM Continuous Row Mount (Flange only)		
2	Two Lamps							TC T-Bar Clips (Grid only)		
4	Four Lamps							TH 1/2" Trade Size Threaded Hub		
								HJ Sealed Wireway		
								<b>Accessories</b>		
								IF Install Frame (Flange only)		
								PF Plaster Frame (Flange only)		
								▼ n/a with DV or 347V		
								* 2'x2' configuration available with only one of the following options: DLN, DLNA, LEL, LRL, LVC, LVCS, LVCD, LVCD5, EL		
								† n/a with LED		
								<b>ACCESSORIES ORDERED SEPERATELY</b>		
								MPWS Low Voltage Wall Switch (Click <a href="#">here</a> for Specifications)		



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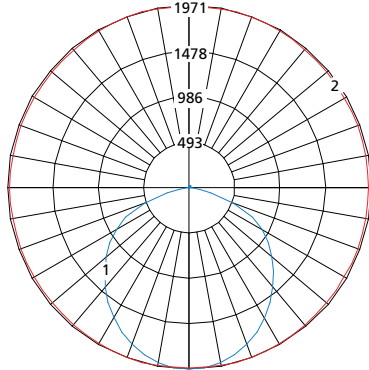
**MPCADE SERIES**

**PERFORMANCE**

Model	Function	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L <sub>70</sub> LED Life (Hrs)
			@ 25°C	Efficacy (lm/W)			
MPCADE22	Ambient	25L-35K8	1705	68	26	94	80,000
		25L-40K8	1818	72	26	94	80,000
		25L-50K8	1891	75	26	94	80,000
	Exam	45L-35K8	3027	67	46	94	80,000
		45L-40K8	3227	71	46	94	80,000
		45L-50K8	3356	75	46	94	80,000
	Ambient/Exam	25L/45L-35K8	4763	66	73	94	80,000
		25L/45L-40K8	5078	71	73	94	80,000
		25L/45L-50K8	5281	73	73	94	80,000
MPCADE24	Ambient	45L-35K8	3854	78	49	94	80,000
		45L-40K8	4109	83	49	94	80,000
		45L-50K8	4274	87	49	94	80,000
	Exam	90L-35K8	6931	70	100	94	80,000
		90L-40K8	7389	74	100	94	80,000
		90L-50K8	7684	77	100	94	80,000
	Ambient/Exam	45L/90L-35K8	10728	72	148	94	80,000
		45L/90L-40K8	11437	77	148	94	80,000
		45L/90L-50K8	11894	80	148	94	80,000

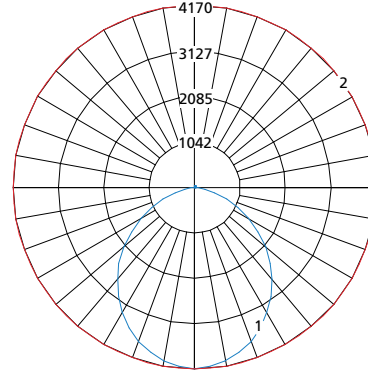
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: MPCADE22-G-1/2-25L/45L-40K8-DCC-DV-IB-AC



Maximum Candela = 1971 Located At Horizontal Angle = 75, Vertical Angle = 5  
 1 - Vertical Plane Through Horizontal Angles (75-255) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: MPCADE24-G-1/2-45L/90L-40K8-DCC-DV-IB-AC



Maximum Candela = 4170 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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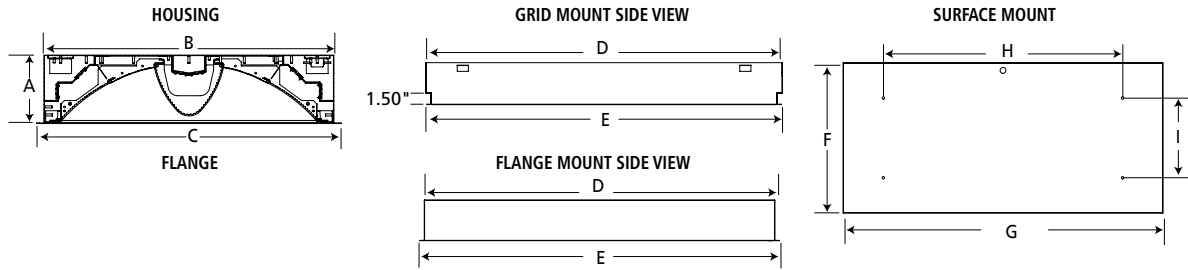
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**DIMENSIONAL DATA**



DIMENSIONAL DATA (IN INCHES)									
	A	B	C	D	E	F	G	H	I
<b>2x2 T5 (Flange)</b>	5.93	22.60	23.75	22.60	23.75	-	-	-	-
<b>2x2 T8/LED (Flange)</b>	5.93	22.60	23.75	24.13	25.28	-	-	-	-
<b>2x2 T5 (Grid)</b>	5.93	22.60	23.75	22.60	23.75	-	-	-	-
<b>2x2 T8/LED (Grid)</b>	5.93	22.60	23.75	24.00	23.75	-	-	-	-
<b>2x2 T5 (Surface)</b>	5.93	-	-	-	-	22.60	22.60	8.00	12.00
<b>2x2 T8/LED (Surface)</b>	5.93	-	-	-	-	22.60	24.13	8.00	12.00
<b>2x4 T5 (Flange)</b>	5.93	22.60	23.75	46.60	47.75	-	-	-	-
<b>2x4 T8/LED (Flange)</b>	5.93	22.60	23.75	48.13	49.28	-	-	-	-
<b>2x4 T5 (Grid)</b>	5.93	22.60	23.75	46.60	47.75	-	-	-	-
<b>2x4 T8/LED (Grid)</b>	5.93	22.60	23.75	48.00	47.75	-	-	-	-
<b>2x4 T5 (Surface)</b>	5.93	-	-	-	-	22.60	46.60	30.00	12.00
<b>2x4 T8/LED (Surface)</b>	5.93	-	-	-	-	22.60	48.13	30.00	12.00

FLANGE CEILING CUTOUT**	
<b>2x2 T5</b>	22.88 x 22.88
<b>2x2 T8/LED</b>	22.88 x 24.38
<b>2x4 T5</b>	22.88 x 46.88
<b>2x4 T8/LED</b>	22.88 x 48.38

\*\*Add .25" to each cut-out dimension when Install Frame (IF) or Plaster Frame (PF) Accessory is specified

