

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 3000K, 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. **LF:** Fluorescent electronic ballasts, high power factor (<10% THD). See Ordering Information for optional equipment. Lamps by others.

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-DV-IB-AC-LEL)

Model	Mounting Options	Lamp Qty	Lamp Type	Lamp Color	Ballast/Driver	Voltage	Doorframe	Options	Accessories
						IB-			
Model		Lamp Type	Options						
MPCADE22 2'x2'		2x2	LEL* 8.4W LED Emergency Battery Pack (n/a 347V, 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	NLW▲ 2700K White LED Night Light						
		14 F14T5	NLA▲ Amber LED Night Light						
Mounting Options		24 F24T5HO	LVC*▼ Low Voltage Controller (Click here for specifications; n/a with 347V)						
S Surface			LVCS*▼ Low Voltage Controller with Secondary Knockout (Click here for specifications)						
G Grid (1" and 1.5")			LVCD*▼ Low Voltage Controller with Dimming (Click here for specifications)						
F Flange			LVCD5*▼ Low Voltage Controller with Dimming and Secondary Knockout (Click here for specifications)						
		2x4	EL*† One-Lamp Emergency Battery Pack (32°F)						
		45L/90L 45 Watt Ambient/90 Watt Exam LED	FS Single Fuse & Holder (1 per compartment)						
		32 F32T8	LRL* Dual 3500K, 90CRI Reading Lights						
		28 F28T5	RM Continuous Row Mount (Flange only)						
Lamp Quantity (Fluorescent Only)		54 F54T5HO	TC T-Bar Clips (Grid only)						
Ambient Compartment			TH 1/2" Trade Size Threaded Hub						
1 One Lamp			HJ Sealed Wireway						
2 Two Lamps			Accessories						
		Ambient/Exam Lamp Color (LED Only)	IF Install Frame (Flange only)						
		30K8 3000K, 82CRI	PF Plaster Frame (Flange only)						
		35K8 3500K, 82CRI							
		40K8 4000K, 82CRI							
		50K8 5000K, 82CRI							
		Ballast/Driver Type							
		DCC Dimming Constant Current							
		IS Instant Start Electronic, <10% THD (T8)							
		RS Rapid Start Electronic, <10% THD (T8, Biax, T5, T5HO)							
		SB Specified Ballast							
		Voltage							
		DV 120-277 Volts							
		347 347 Volts							
		Doorframe							
		AC Ingress Barrier w/Aircraft Cables							
		HD Ingress Barrier w/Continuous Piano Hinge (not NSF2 listed)							

* 2'x2' configuration available with only one of the following options: NLW, NLA, LEL, LRL, LVC, LVCS, LVCD, LVCDS, EL
 † n/a with LED
 ▲ n/a with 347V
 ▼ n/a with 347V and fluorescent lamping

ACCESSORIES ORDERED SEPERATELY

MPWS Low Voltage Wall Switch (Click [here](#) for Specifications)



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PERFORMANCE

Model	Function	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L ₇₀ LED Life (Hrs)
			@ 25°C	Efficacy (lm/W)			
MPCADE22	Ambient	25L-30K8	1,705	66	26	94	80,000
		25L-35K8	1,758	68			
		25L-40K8	1,818	70			
		25L-50K8	1,891	73			
	Exam	45L-30K8	3,027	66	46	94	80,000
		45L-35K8	3,121	68			
		45L-40K8	3,227	70			
		45L-50K8	3,356	73			
	Ambient/Exam	25L/45L-30K8	4,763	65	73	94	80,000
		25L/45L-35K8	4,910	67			
		25L/45L-40K8	5,078	70			
		25L/45L-50K8	5,281	72			
MPCADE24	Ambient	45L-30K8	3,854	79	49	94	80,000
		45L-35K8	3,973	81			
		45L-40K8	4,109	84			
		45L-50K8	4,274	87			
	Exam	90L-30K8	6,931	69	100	94	80,000
		90L-35K8	7,145	71			
		90L-40K8	7,389	74			
		90L-50K8	7,684	77			
	Ambient/Exam	45L/90L-30K8	10,728	72	148	94	80,000
		45L/90L-35K8	11,060	75			
		45L/90L-40K8	11,437	77			
		45L/90L-50K8	11,894	80			

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.



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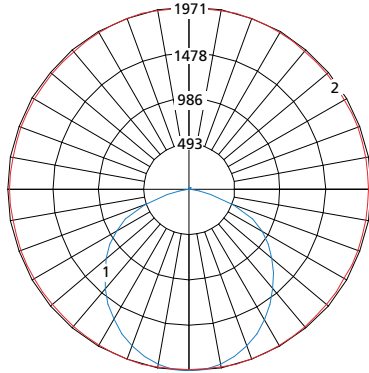
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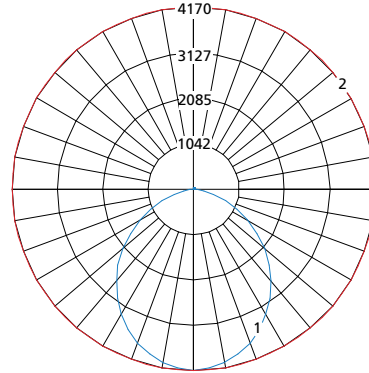
Model: MPCADE22-G-1/2-25L/45L-40K8-DCC-DV-IB-AC



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.)

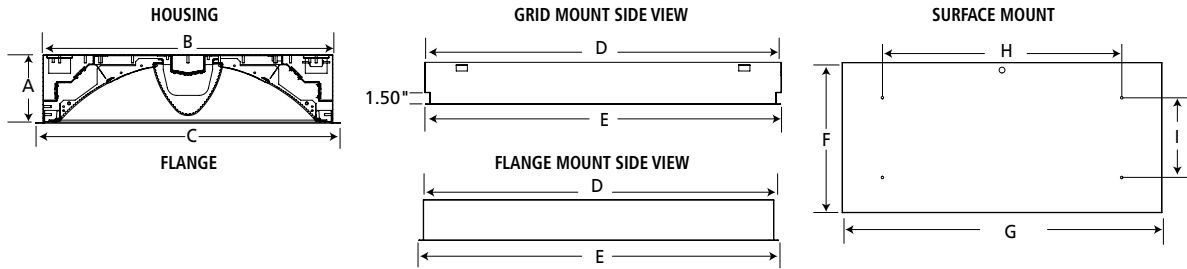
Model: MPCADE24-G-1/2-45L/90L-40K8-DCC-DV-IB-AC



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.)

DIMENSIONAL DATA



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

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

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



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