

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 with dim-to-dark capabilities; 330µA maximum source current. LF: 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: UL and CUL Listed for Wet Location and UL certified IP65 per IEC 60598. 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	
							IB-			
Model	Lamp Type		Options							
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)							
Mounting Options		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 here for specifications; n/a with 347V)							
G Grid (1" and 1.5")			LVCD* Low Voltage Controller with Dimming (Click here for specifications; n/a with 347V)							
F Flange		2x4	EL*† One-Lamp Emergency Battery Pack (32°F)							
Lamp Quantity		45L/90L 45 Watt Ambient/90 Watt Exam LED	FS Single Fuse & Holder (1 per compartment)							
(Fluorescent Only)		32 F32T8	LRL** LED Reading Lights (2 lamps included)							
Ambient Compartment		28 F28T5	RF* Radio Frequency Filter							
1 One Lamp		54 F54T5HO	RM Continuous Row Mount (Flange only)							
2 Two Lamps			TC T-Bar Clips (Grid only)							
Exam Compartment		Ambient/Exam Lamp Color (LED Only)	TH 1/2" Trade Size Threaded Hub							
2 Two Lamps		35K8 3500K, 82CRI	HJ Sealed Wireway							
4 Four Lamps		40K8 4000K, 82CRI	Accessories							
		50K8 5000K, 82CRI	IF Install Frame (Flange only)							
		Ballast/Driver Type	PF Plaster Frame (Flange only)							
		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								
		120 120 Volts								
		277 277 Volts								
		347 347 Volts								
		Doorframe								
		AC Ingress Barrier w/Aircraft Cables								
		HD Ingress Barrier w/Continuous Piano Hinge (not NSF2 listed)								

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

▼ n/a with DV or 347V
 * 2'x2' configuration available with only one of the following options: DLN, DLNA, LEL, LRL, LVC, LVCD, EL
 † n/a with LED



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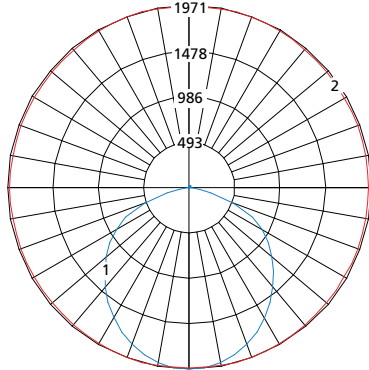
MPCADE SERIES

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-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 for additional information.

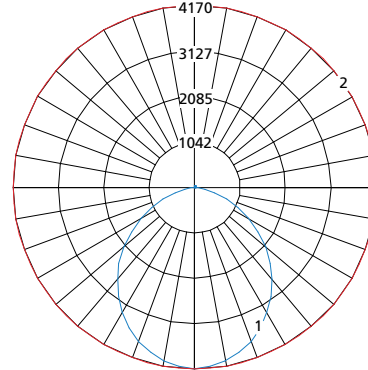
Model: MPCADE22-G-1/2-25L/45L-40K8-DCC-DV-IB-AC



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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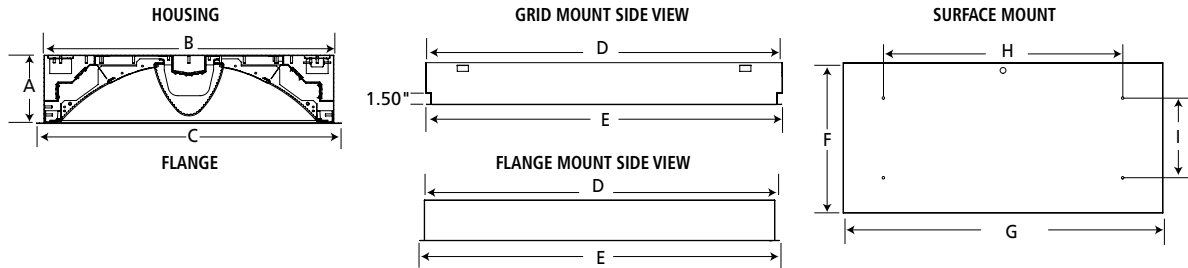
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DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)									
	A	B	C	D	E	F	G	H	I
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

