PROJECT Job Name INFORMATION Fixture Type	Catalog Number Approved by	
MEDMASTER [™] Patient Room Luminaires MPCADE SERIES		
PRODUCT FEATURES: » Ceiling mount – recessed grid, recessed flange or surface; 2'×2' & 2'×4'		
» Ambient and exam lighting with optional reading compartment		

» Ingress Barrier Door provides consistent surface for cleanability

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 coast – 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: <u>LED</u>: 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 circruit. <u>LF</u>: Fluorescent electronic ballasts, high power factor (<10% THD). See Ordering Information for optional equipment. Lamps by others.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, click here.

INSTALLATION: <u>SURFACE MOUNT</u>: Four .312" diameter holes. <u>GRID MOUNT</u>: Designed for 1" and 1.5" grid. (Housing includes hanging brackets to secure housing with wire to super structure). <u>FLANGE MOUNT</u>: 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 Labratory 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.

IP65 INSE CCEA

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

Model	Mounting Options	Lamp Qty	Lamp Type	Lamp Color	Ballast/Driver	Voltag	ge Doorframe	Options	Accessories
		/					IB-		
Model		Lamp Type				Optic	ons		
MPCADE22 2'×2		2×2				LĖL*		gency Battery Pack (n/a 3	47V, 0°C min operating temperature)
MPCADE24 2'×4		25L/45L 25	Watt Ambient/45	Watt Exam LED)	AMF		nish on exposed surfaces	, , ,
		17 F17	'T8			NLW ⁴			
Nounting Option	s	14 F14	IT5			NLA [▲]	Amber LED Nigh	ıt Light	
Surface		24 F24	IT5HO			LVC*			ecifications; n/a with 347V)
Grid (1" and	1.5")					LVCS	★▼ Low Voltage Cor	ntroller with Secondary K	nockout
Flange		<u>2×4</u>					(Click here for s	pecifications)	
5		45L/90L 45	Watt Ambient/90	Watt Exam LED)	LVCD	*▼ Low Voltage Co	ntroller with Dimming	
amp Quantity		32 F32	PT8				(Click here for s	pecifications)	
Fluorescent Only	r)	28 F28	ST5			LVCD	S*▼Low Voltage Co	ntroller with Dimming ar	d Secondary Knockout
Ambient Compart	tment	54 F54	IT5HO				(Click here for s	pecifications)	
One Lamp						EL*†	One-Lamp Emer	gency Battery Pack (32°F)
2 Two Lamps		Ambient/Ex	am Lamp Colo	r (LED Only)		FS	Single Fuse & He	older (1 per compartment	.)
		30K8 3000	K, 82CRI			LRL*	Dual 3500K, 90	CRI Reading Lights	
Exam Compartme	ent 🛛	35K8 3500	K, 82CRI			RM	Continuous Row	/ Mount (Flange only)	
2 Two Lamps		40K8 4000	K, 82CRI			TC	T-Bar Clips (Grid	only)	
Four Lamps		50K8 5000	K, 82CRI			TH	1/2" Trade Size	Threaded Hub	
						HJ	Sealed Wireway		
		Ballast/Driv	ver Type						
		DCC Dimm	ing Constant Cur	rent		Acces	ssories		
		IS Instar	nt Start Electronic,	<10% THD (T8	3)	IF	Install Frame (Flan	ge only)	
	RS Rapid	Start Electronic, -	<10% THD		PF	Plaster Frame (Flar	ige only)		
		iax, T5, T5HO)							
	SB Specif	ied Ballast							
					* 2'×	2' configuration ava	ilable with only one of th	e	
	Voltage						NLA, LEL, LRL, LVC, LVCS	5, LVCD, LVCDS, EL	
	DV 120-2	77 Volts			† n/a	with LED			
	347 347 V	olts				with 347V			
						▼n/a	with 347V and fluor	escent lamping	
	Doorframe								
			s Barrier w/Aircra			ACC	ESSORIES ORDER	ED SEPERATELY	
		s Barrier w/Conti	nuous Piano Hi	nge	MPV		Vall Switch (Click here for S	pecifications)	
		(not N	ISE2 listed)						

(not NSF2 listed)



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MEDMASTER[™]

Patient Room Luminaires

MPCADE SERIES

PERFORMANCE		Initial Delive	red Lumens]			
Model	Function	Lamp Type	@ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L ₇₀ LED Life (Hrs)
		25L-30K8	1,705	66		94	80,000
	Ambient	25L-35K8	1,758	68	- 26		
	Ambient	25L-40K8	1,818	70	20		80,000
		25L-50K8	1,891	73			
		45L-30K8	3,027	66			
MPCADE22	Exam	45L-35K8	3,121	68	- 46	94	80,000
WIPCADE22	Exam	45L-40K8	3,227	70	40		
		45L-50K8	3,356	73			
		25L/45L-30K8	4,763	65		94	80,000
	A male is not (Even ma	25L/45L-35K8	4,910	67	1 72		
	Ambient/Exam	25L/45L-40K8	5,078	70	73		
		25L/45L-50K8	5,281	72			
	45L-30K8	3,854	79				
	Ambient	45L-35K8	3,973	81	- 49	94	80,000
	Ampient	45L-40K8	4,109	84	49		
		45L-50K8	4,274	87			
		90L-30K8	6,931	69		94	80,000
	Even	90L-35K8	7,145	71	100		
MPCADE24	Exam -	90L-40K8	7,389	74	100		
		90L-50K8	7,684	77]		
		45L/90L-30K8	10,728	72		94	80,000
	Ambient/Exam	45L/90L-35K8	11,060	75	- 148		
	Amplenvexdm	45L/90L-40K8	11,437	77	140		
		45L/90L-50K8	11,894	80			

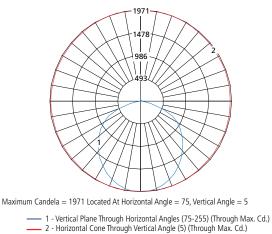
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.



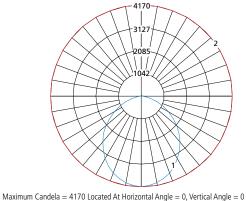
MEDMASTER™ Patient Room Luminaires

MPCADE SERIES

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



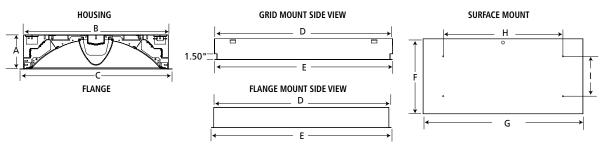
Model: MPCADE24-G-1/2-45L/90L-40K8-DCC-DV-IB-AC



ximum Candela = 4 I / U Located At Horizontal Angle = 0, Vertical Angle = 0 ----- 1 Vertical Plana Through Horizontal Angles (0, 180) (Through Max, Cd

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	В	C	D	E	F	G	Н	
2×2 T5 (Flange)	5.93	22.60	23.75	22.60	23.75	_	_	_	
2×2 T8/LED (Flange)	5.93	22.60	23.75	24.13	25.28	_	_	_	_
2×2 T5 (Grid)	5.93	22.60	23.75	22.60	23.75	_	_	_	_
2×2 T8/LED (Grid)	5.93	22.60	23.75	24.00	23.75	_	_	_	
2×2 T5 (Surface)	5.93	-	-	_	-	22.60	22.60	8.00	12.00
2×2 T8/LED (Surface)	5.93	-	-	-	-	22.60	24.13	8.00	12.00
2×4 T5 (Flange)	5.93	22.60	23.75	46.60	47.75	-	-	_	_
2×4 T8/LED (Flange)	5.93	22.60	23.75	48.13	49.28	-	-	-	-
2×4 T5 (Grid)	5.93	22.60	23.75	46.60	47.75	_	_	_	
2×4 T8/LED (Grid)	5.93	22.60	23.75	48.00	47.75	-	-	_	_
2×4 T5 (Surface)	5.93	-	-	-	-	22.60	46.60	30.00	12.00
2×4 T8/LED (Surface)	5.93	_	-	_	_	22.60	48.13	30.00	12.00

FLANGE CEILING CUTOUT**				
2×2 T5	22.88 × 22.88			
2×2 T8/LED	22.88 × 24.38			
2×4 T5	22.88 × 46.88			
2×4 T8/LED	22.88 × 48.38			

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



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