

MEDMASTER™

Patient Room Luminaires

MADC SERIES

PRODUCT FEATURES:

- » Ceiling mount – surface, grid, or flange; 2'x2' & 2'x4'
- » Indirect ambient lighting
- » Ingress Barrier Door provides consistent surface for cleanliness



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: FLANGE AND GRID: 20-gauge CRS one-piece seam welded construction. **SURFACE:** 18-gauge CRS one-piece seam welded construction. White TGIC polyester powder coat – 5-stage pretreatment. Salt spray test 1,000 hours. Reflectance 92%. (See options for Antimicrobial Finish). Flanges: Flange and Grid – 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: Supplied with IB-AC or IB-HD Options. .125" clear high impact acrylic. Sealed to extruded aluminum frame with a vinyl gasket.

LAMP SHIELDING: Perforated aluminum basket with pearlescent acrylic diffuser – white TGIC polyester powder coat finish.

ELECTRICAL: LED: 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); 330 µA max. 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 primary light source independently with dimming control, and if ordered the night light option 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 LED warranty.

LISTINGS: Certified to UL Standards by Intertek Testing Laboratory for Wet Locations. ETL certified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone (IB-AC only).



ORDERING INFORMATION (Ex: MADC-24-G-45L40K-DCC-277-IB-AC-LEL)

Model	Size	Mounting	Lamp Qty	Lamp Type	Ballast/Driver Type	Ballast Qty	Voltage	Doorframe	Options	Accessories
MADC								IB-		
Size				Lamp Type				Ballast/Driver Type		Options
22	2'x2'			2x2				IS		LEL[▲] LED Emergency Battery Pack
24	2'x4'			45L35K 45 Watt 3500K LED				IS		EL[*] Standard Lumen One-Lamp EL pack (347V dry location only)
				45L40K 45 Watt 4000K LED				RS		AMF Antimicrobial Finish on exposed surfaces
				45L50K 45 Watt 5000K LED				RS		DLN LED Night Light with 100%-20% Light Level Control (voltage specific selection required)
				14[▲] F14T5				SB		DLNA Amber LED Night Light with 100%-20% Light Level Control (voltage specific selection required)
Mounting Options				17 F17T8				DCC		TN[▲] Night Light – 5/7/9 Watt PL (Lamp supplied by other)
S	Surface			24[▲] F24T5HO						FS Single Fuse & Holder (1 per ballast)
G	Grid (1" & 1.5")									LVC[▲] Low Voltage Controller (Click here for specifications)
F	Flange									LVCD[▲] Low Voltage Controller with Dimming (Click here for specifications)
										RF[▲] Radio Frequency Filter (1 per ballast)
Lamp Quantity (n/a with LED)				2x4				Ballast Quantity (n/a with LED)		Accessories
1	One Lamp			45L35K 45 Watt 3500K LED				1		IF^{**} Install Frame (Flange only)
2	Two Lamps			45L40K 45 Watt 4000K LED				2		PF^{**} Plaster Frame (Flange only)
3	Three Lamps			45L50K 45 Watt 5000K LED						
				67L35K 67 Watt 3500K LED				Voltage		▲ n/a with 347V
				67L40K 67 Watt 4000K LED				120		* n/a with LED
				67L50K 67 Watt 5000K LED				277		
				90L35K 90 Watt 3500K LED				347		
				90L40K 90 Watt 4000K LED				DV		
				90L50K 90 Watt 5000K LED						
				28[▲] F28T5				Doorframe		
				32 F32T8				AC		
				54 F54T5HO				HD		

ACCESSORIES ORDERED SEPERATELY

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



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MEDMASTER™

Patient Room Luminaires

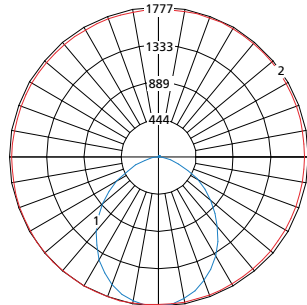
MADC SERIES

PERFORMANCE

Size	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
22	45L35K	3816	76	50	94	80,000
	45L40K	4068	81	50	94	80,000
	45L50K	4231	85	50	94	80,000
24	45L35K	4161	83	50	94	80,000
	45L40K	4437	89	50	94	80,000
	45L50K	4614	92	50	94	80,000
	67L35K	6543	88	74	66	80,000
	67L40K	6976	94	74	66	80,000
	67L50K	7255	98	74	66	80,000
	90L35K	8323	85	98	94	60,000
	90L40K	8873	91	98	94	60,000
	90L50K	9228	94	98	94	60,000

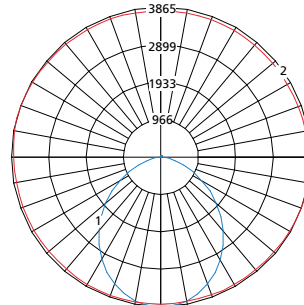
Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit www.kenall.com for additional information.

Model: MADC22-F-45L40K-DCC-DV-IB-AC



Maximum Candela = 1777 Located At Horizontal Angle = 240, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (240-60) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

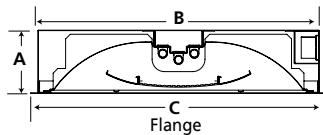
Model: MADC24-F-90L40K-DCC-DV-IB-AC



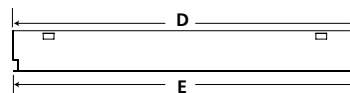
Maximum Candela = 3865 Located At Horizontal Angle = 165, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (165-345) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

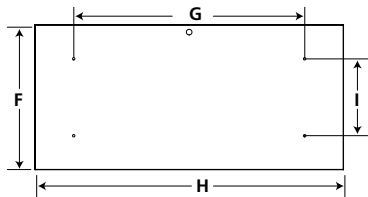
HOUSING



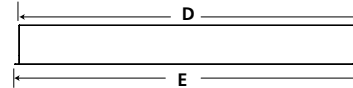
GRID MOUNT SIDE VIEW



SURFACE MOUNT RECOMMENDED CEILING CUTOUT/MOUNTING HOLE



FLANGE MOUNT SIDE VIEW



DIMENSIONAL DATA (IN INCHES)

	A	B	C	D	E	F	G	H	I
2x2 T5	5.88	22.60	23.75	22.60	23.75	22.88	12.00	22.88**	12.00
2x2 T8 (Grid)	5.88	22.60	23.75	24.00	23.75				
2x2 T8 (Flange)	5.88	22.60	23.75	24.12**	25.28**				
2x4 T5	5.88	22.60	23.75	44.60	47.75	22.88**	36.00	46.88**	12.00
2x4 T8 (Grid)	5.88	22.60	23.75	48.00	47.75				
2x4 T8 (Flange)	5.88	22.60	23.75	48.12**	49.28**				

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



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