

MEDMASTER™ Surgical Suite Luminaires

M4SEDI SERIES – White LED

PRODUCT FEATURES:

- » Diffused high-efficiency lens for reduced glare
- » Symmetric, symmetric/asymmetric and full asymmetric optic distributions with uniform lens appearance
- » Universal housing accommodates either flange or grid applications
- » One-piece sealed housing; smooth exterior doorframe and lens for infection prevention and simplified cleaning protocols
- » Radiated and conducted emissions controlled as per MIL-STD-461G
- » For M4SEDI with Green LEDs, [click here](#)



PROJECT INFORMATION

Job Name _____
 Fixture Type _____
 Catalog Number _____
 Approved by _____

SPECIFICATIONS

HOUSING: 24-gauge CRS. Hole-free, one-piece, seam-welded construction. 18-gauge housing flange with mitered and welded corners. Gloss white TGIC polyester powder-coat finish with 5-stage pre-treatment. Antimicrobial finish on all exposed painted surfaces of installed luminaire.

DOORFRAME: 18-gauge CRS. One-piece inset-style construction with welded corners. Gloss white TGIC polyester powder coat finish with 5-stage pre-treatment. Doorframe secured to housing with stainless steel aircraft cables and captive, flush-mounted Phillips-head fasteners. Antimicrobial finish standard on all exposed painted surfaces of the installed luminaire. One-piece, closed-cell silicone gasket seals doorframe to housing.

OPTICS: High-efficiency diffused, impact-resistant acrylic lens. Symmetric/asymmetric and full asymmetric optic adds internal Total Internal Reflection optics to work in conjunction with diffused lens providing asymmetry while maintaining uniform appearance.

ELECTRICAL: Serviceable mid-power LED array. Available 3000K, 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance. Minimum 80 CRI standard with optional minimum 90 CRI available. 120/277VAC or 347VAC, 50/60Hz electrical input with replaceable high power factor electronic, constant-current driver (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V). 660 µA maximum source current. EMC meets or exceeds FCC CFR Part 15 and MIL-STD-461G requirements.

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

INSTALLATION: Non-IC recessed ceiling mounting into grid and flange application types. Flange installation utilizes included adjustable swing-out mounting brackets. Grid installation suitable for 1" and 1.5" T-bar ceilings. Universal installation into grid or flange (drywall) ceiling applications.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard. For additional photometric data, please go to [www.kenall.com](#).

WARRANTY: Limited five (5) year LED warranty

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Location. UL certified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone. Meets FED-STD-209E/Class 1 (ISO 3) Cleanrooms. Compliant with MIL-STD 461G for radiated and conducted emissions (including when ordered with LEL option). CCEA Approved.



ORDERING INFORMATION (Ex: M4SEDI-24-100L-35K8-DCC-120-2F-2H-ASYM)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Optics	Options
M4SEDI				DCC					
Size			Lamp Color				Housing Options		
14	1'x4' Nominal		30K8 3000K, 80 CRI				4H 24-Ga Antimicrobial Painted CRS (STD)		
22	2'x2' Nominal		30K9 3000K, 90 CRI				2H 20-Ga Antimicrobial Painted CRS		
24	2'x4' Nominal		35K8 3500K, 80 CRI				5H 20-Ga Type 304 SS		
			35K9 3500K, 90 CRI				PAH .050" Antimicrobial Painted Aluminum		
			40K8 4000K, 80 CRI					Optics	
			40K9 4000K, 90 CRI					SYM Symmetric, Diffused DR Acrylic	
			50K8 5000K, 80 CRI					ASYM• Asymmetric/Symmetric Optic with Diffused DR Acrylic	
			50K9 5000K, 90 CRI					FASYM Full Asymmetric Optic with Diffused DR Acrylic	
Lamp Power				Driver Type					
1'x4'				DCC Dimming Constant Current					
38L	38 Watt LED								
76L	76 Watt LED								
2'x2'				Voltage					
75L	75 Watt LED			120 120VAC, 50/60Hz					
100L	100 Watt LED			277 277VAC, 50/60Hz					
				347 347VAC, 60Hz					
2'x4'				Doorframe Options					
100L	100 Watt LED			2F 18-Ga CRS Antimicrobial Painted CRS (STD)					
150L	150 Watt LED			AF Anodized Aluminum					
200L	200 Watt LED			PAF Antimicrobial Painted Fabricated Aluminum					
				5F 20-Ga Type 304 SS Brushed					

* Only available when installing in drywall ceilings (flange mount)
 † Add .375" to ceiling cut out dimensions
 • n/a with 38L Lamp Type
 ‡ n/a 347V



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M4SEDI SERIES – TECHNICAL DATA

PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens by Optic (lm)			Efficacy (lm/W)	Input Power (W)	Input Current @ 120V (A)	Input Current @ 277V (A)	Estd. L ₇₀ LED Life (Hrs)
		SYM	ASYM	FASYM					
M4SEDI14	38L-30K8	4,675		4,499	105 - 109	43	0.358	0.162	85,000
	38L-30K9	3,929		3,781	88 - 92	43	0.358	0.162	85,000
	38L-35K8	4,782		4,603	108 - 112	43	0.358	0.162	85,000
	38L-35K9	3,929		3,781	88 - 92	43	0.358	0.162	85,000
	38L-40K8	4,732		4,554	107 - 111	43	0.358	0.162	85,000
	38L-40K9	4,027		3,876	91 - 94	43	0.358	0.162	85,000
	38L-50K8	4,739		4,561	107 - 111	43	0.358	0.162	85,000
	38L-50K9	4,281		4,120	96 - 100	43	0.358	0.162	85,000
	76L-30K8	9,270	9,095	8,922	105 - 109	85	0.714	0.323	85,000
	76L-30K9	7,607	7,464	7,322	86 - 89	85	0.714	0.323	85,000
	76L-35K8	9,483	9,304	9,127	107 - 111	85	0.714	0.323	85,000
	76L-35K9	7,791	7,644	7,498	88 - 91	85	0.714	0.323	85,000
	76L-40K8	9,382	9,205	9,030	106 - 110	85	0.714	0.323	85,000
	76L-40K9	7,985	7,834	7,685	90 - 94	85	0.714	0.323	85,000
	76L-50K8	9,397	9,220	9,044	106 - 110	85	0.714	0.323	85,000
	76L-50K9	8,488	8,328	8,170	96 - 99	85	0.714	0.323	85,000
M4SEDI22	75L-30K8	10,584	10,460	9,759	118 - 128	83	0.694	0.315	100,000
	75L-30K9	8,686	8,584	8,008	96 - 105	83	0.694	0.315	100,000
	75L-35K8	10,828	10,701	9,983	120 - 130	83	0.694	0.315	100,000
	75L-35K9	8,895	8,791	8,202	99 - 107	83	0.694	0.315	100,000
	75L-40K8	10,712	10,587	9,877	119 - 129	83	0.694	0.315	100,000
	75L-40K9	9,117	9,010	8,406	101 - 110	83	0.694	0.315	100,000
	75L-50K8	10,729	10,603	9,892	119 - 129	83	0.694	0.315	100,000
	75L-50K9	9,692	9,578	8,936	108 - 117	83	0.694	0.315	100,000
	100L-30K8	13,754	13,593	12,682	111 - 120	114	0.975	0.434	85,000
	100L-30K9	11,287	11,424	10,658	93 - 100	114	0.975	0.434	85,000
	100L-35K8	14,071	13,906	12,973	114 - 123	114	0.975	0.434	85,000
	100L-35K9	11,560	11,424	10,658	93 - 101	114	0.975	0.434	85,000
	100L-40K8	13,921	13,758	12,835	112 - 122	114	0.975	0.434	85,000
	100L-40K9	11,847	11,709	10,923	96 - 104	114	0.975	0.434	85,000
	100L-50K8	13,943	13,779	12,855	113 - 122	114	0.975	0.434	85,000
	100L-50K9	12,594	12,447	11,612	102 - 110	114	0.975	0.434	85,000
M4SEDI24	100L-30K8	14,988	14,858	13,783	121 - 131	114	0.975	0.434	120,000
	100L-30K9	12,300	12,487	11,584	101 - 109	114	0.975	0.434	120,000
	100L-35K8	15,333	15,199	14,100	123 - 134	114	0.975	0.434	120,000
	100L-35K9	12,597	12,487	11,584	101 - 110	114	0.975	0.434	120,000
	100L-40K8	15,169	15,037	13,949	122 - 133	114	0.975	0.434	120,000
	100L-40K9	12,910	12,798	11,872	104 - 113	114	0.975	0.434	120,000
	100L-50K8	15,193	15,061	13,971	122 - 133	114	0.975	0.434	120,000
	100L-50K9	13,724	13,605	12,620	110 - 120	114	0.975	0.434	120,000
	150L-30K8	21,661	21,473	19,919	119 - 130	167	1.392	0.601	100,000
	150L-30K9	17,776	17,621	16,346	98 - 107	167	1.392	0.601	100,000
	150L-35K8	22,159	21,966	20,377	122 - 133	167	1.392	0.601	100,000
	150L-35K9	18,205	18,046	16,741	100 - 109	167	1.392	0.601	100,000
	150L-40K8	21,923	21,732	20,160	121 - 132	167	1.392	0.601	100,000
	150L-40K9	18,658	18,496	17,158	103 - 112	167	1.392	0.601	100,000
	150L-50K8	21,957	21,766	20,192	121 - 132	167	1.392	0.601	100,000
	150L-50K9	19,834	19,662	18,239	109 - 119	167	1.392	0.601	100,000
	200L-30K8	27,796	27,554	25,560	113 - 122	227	1.896	0.863	85,000
	200L-30K9	22,810	22,611	20,976	92 - 100	227	1.896	0.863	85,000
	200L-35K8	28,435	28,187	26,148	115 - 125	227	1.896	0.863	85,000
	200L-35K9	23,360	23,157	21,482	95 - 103	227	1.896	0.863	85,000
200L-40K8	28,132	27,887	25,869	114 - 124	227	1.896	0.863	85,000	
200L-40K9	23,942	23,733	22,017	97 - 105	227	1.896	0.863	85,000	
200L-50K8	28,176	27,931	25,910	114 - 124	227	1.896	0.863	85,000	
200L-50K9	25,451	25,230	23,405	103 - 112	227	1.896	0.863	85,000	

Information Subject to change without notice. Visit www.kenall.com for .ies files and additional information.



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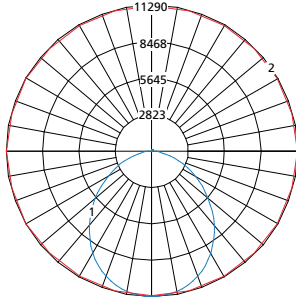
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M4SEDI SERIES – TECHNICAL DATA

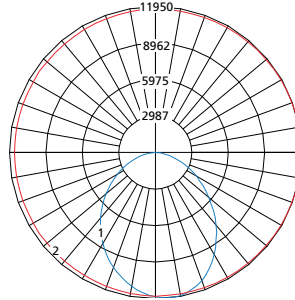
PERFORMANCE

Model: M4SEDI24-200L-40K8-DCC-120-2F-2H-SYM



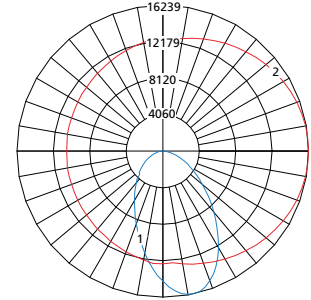
Max Candela = 11290 Located At Horizontal Angle = 90, Vertical Angle = 2.5
 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: M4SEDI24-200L-40K8-DCC-120-2F-2H-ASYM



Max Candela = 11950 Located At Horizontal Angle = 0, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

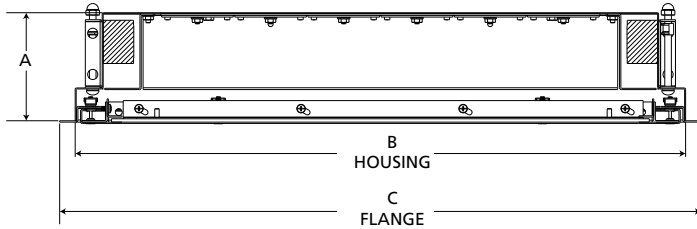
Model: M4SEDI24-200L-40K8-DCC-120-2F-2H-FASYM



Max Candela = 16239 Located At Horizontal Angle = 0, Vertical Angle = 12.5
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)

DIMENSIONAL DATA

CROSS SECTION / DETAILS

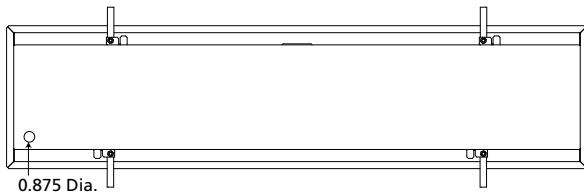


DIMENSIONAL DATA (IN INCHES)

	A	B	C
1x4	4.00	10.60 × 46.60	11.75 × 47.75
Recommended Ceiling Cut-Out 10.85 × 46.85*			
2x2	4.00	22.60 × 22.60	23.75 × 23.75
Recommended Ceiling Cut-Out 22.85 × 22.85*			
2x4	4.00	22.60 × 46.60	23.75 × 47.75
Recommended Ceiling Cut-Out 22.85 × 46.85*			

* Add .375" to ceiling cut out dimensions when IF Option is specified

M4SEDI14



M4SEDI22/M4SEDI24

