

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: 20-gauge CRS. Hole-free, one-piece, seam-welded construction. Integral aluminum heatsink for thermal dissipation. 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 composite-bodied 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.

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	2H 20-Ga Antimicrobial Painted CRS (STD)					
22	2'x2' Nominal	30K9	3000K, 90 CRI	5H 20-Ga Type 304 SS					
24	2'x4' Nominal	35K8	3500K, 80 CRI	PAH .050" Antimicrobial Painted Aluminum					
Lamp Power		Driver Type		Optics					
1'x4'		DCC Dimming Constant Current		SYM Symmetric, Diffused DR Acrylic					
38L	38 Watt LED	Voltage		ASYM• Asymmetric/Symmetric Optic with Diffused DR Acrylic					
76L	76 Watt LED	120	120VAC, 50/60Hz	FASYM Full Asymmetric Optic with Diffused DR Acrylic					
2'x2'		277	277VAC, 50/60Hz	Options					
75L	75 Watt LED	347	347VAC, 60Hz	LEL‡ Emergency Battery Pack					
100L	100 Watt LED	Doorframe Options		20KV 20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat. A					
2'x4'		2F	18-Ga CRS Antimicrobial Painted CRS (STD)	FS Fuse & Holder					
100L	100 Watt LED	AF	Anodized Aluminum	HJ Sealed Wireway					
150L	150 Watt LED	PAF	Antimicrobial Painted Fabricated Aluminum	IF*† Install Frame					
200L	200 Watt LED	5F	20-Ga Type 304 SS Brushed	RM* Continuous Row Mounting					
				2C• Two-Circuit Wiring					

* Only available when installing in drywall ceilings (flange mount)
 † Add .375" to ceiling cut out dimensions
 • n/a with 38L Lamp Type
 ‡ Height of fixture is 8.75" with LEL Option; 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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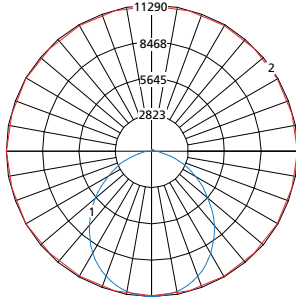
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M4SEDI SERIES – TECHNICAL DATA

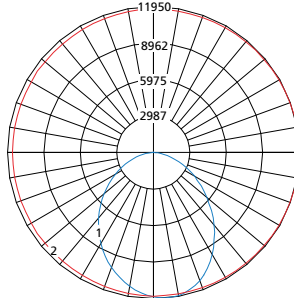
PERFORMANCE

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



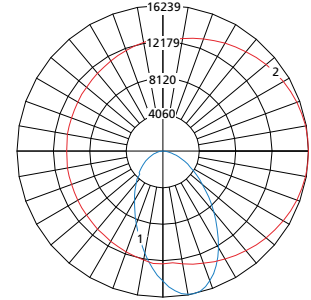
Max Candela = 11290 Located At Horizontal Angle = 90, Vertical Angle = 2.5
 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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.)

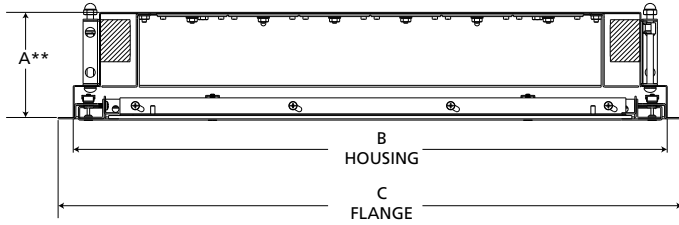
Model: M4SEDI24-200L-40K8-DCC-120-2F-2H-FASYM



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



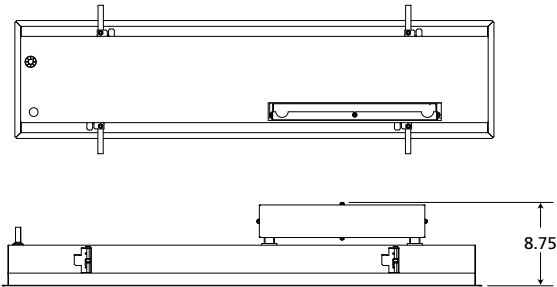
DIMENSIONAL DATA (IN INCHES)

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

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

** Height is 8.75" with LEL option

M4SEDI14 with LEL



M4SEDI22/M4SEDI24 with LEL

