

# 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](http://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-35K8-120-DV-2F-2H-ASYM)

Model	Size	Lamp Power	Lamp Color	Driver	Voltage	Doorframe	Housing	Optics	Options
<b>M4SEDI</b>				<b>DCC</b>					
<b>Size</b>		<b>Lamp Color</b>		<b>Housing Options</b>					
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					
<b>Lamp Power</b>		<b>40K8</b> 4000K, 80 CRI		<b>Optics</b>					
<b>1'x4'</b>		<b>40K9</b> 4000K, 90 CRI		SYM Symmetric, Diffused DR Acrylic					
38L	38 Watt LED	<b>50K8</b> 5000K, 80 CRI		ASYM• Asymmetric/Symmetric Optic with Diffused DR Acrylic					
76L	76 Watt LED	<b>50K9</b> 5000K, 90 CRI		FASYM Full Asymmetric Optic with Diffused DR Acrylic					
<b>2'x2'</b>		<b>Driver Type</b>		<b>Options</b>					
75L	75 Watt LED	DCC Dimming Constant Current		LEL‡ Emergency Battery Pack					
100L	100 Watt LED	<b>Voltage</b>		20KV 20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat. A					
<b>2'x4'</b>		120 120VAC, 50/60Hz		FS Fuse & Holder					
100L	100 Watt LED	277 277VAC, 50/60Hz		HJ Sealed Wireway					
150L	150 Watt LED	347 347VAC, 60Hz		IF*† Install Frame					
200L	200 Watt LED	<b>Doorframe Options</b>		RM* Continuous Row Mounting					
		2F 18-Ga CRS Antimicrobial Painted CRS (STD)		2C• Two-Circuit Wiring					
		AF Anodized Aluminum							
		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  
 ‡ Height of fixture is 8.75" with LEL Option; n/a 347V






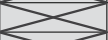


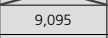
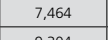
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M4SEDI SERIES – TECHNICAL DATA

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 <sub>70</sub> 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](http://www.kenall.com) for .ies files and additional information.



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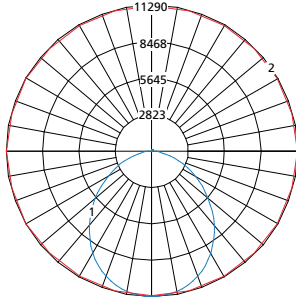
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**M4SEDI SERIES – TECHNICAL DATA**

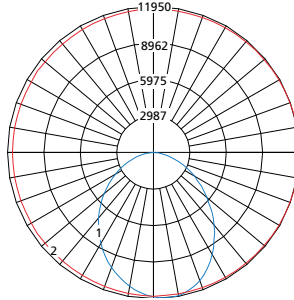
**PERFORMANCE**

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



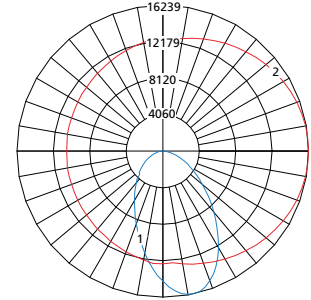
Max Candela = 11290 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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.)

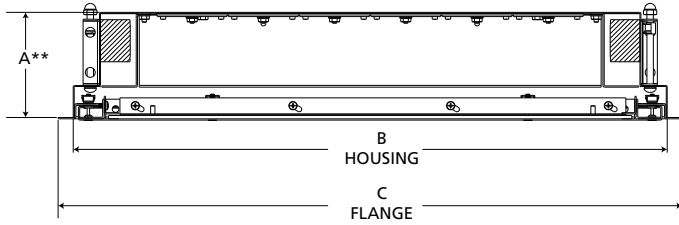
Model: M4SEDI24-200L-40K8-DCC-120-2F-2H-FASYM



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**



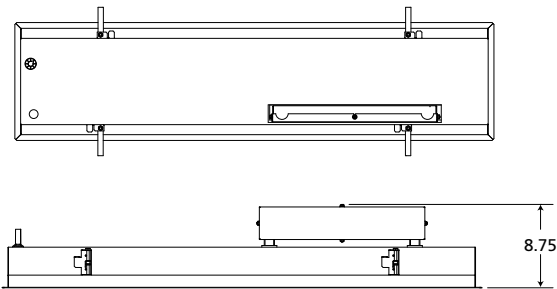
**DIMENSIONAL DATA (IN INCHES)**

	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

