

#### DESCRIPTION

The MAF Series surgical suite LED flat panel is a multi-function recessed luminaire designed for healthcare and operating room environments, providing independent ambient, exam, reading, and optional night light illumination. Available in a 2' x 4' size with static CCT between 2700K-5000K and lumen packages from 1,050 to 13,000 lumens.

#### SPECIFICATIONS

##### Construction:

- Cold rolled steel, stainless steel or aluminum enclosure
- Die-formed, TIG and spot welded
- Durable TGIC polyester powder coating featuring a 5-stage pre-treatment for superior adhesion and corrosion protection
- Available in Brushed/White, White or Antimicrobial White Paint that inhibits growth of bacteria on the fixture surface
- Tamper resistant T25 Torx hardware
- Recessed design fits most standard T-bar grid ceilings

##### Optics/LEDs:

- Frosted linear prismatic acrylic lens on Ambient compartment, Exam and Reading compartments feature a satin acrylic lens
- Optional clear polycarbonate outer lens
- Lumen packages from 1,050 to 13,000 lumens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT
- CRI ≥ 82, Optional 90 CRI (Option: 90)
- Efficacy up to 165 lumens per watt
- L70 > 100,000 hours

##### Electrical:

- Universal 120/277VAC, 50/60Hz
- 0-10V Dimming driver
- Power Factor ≥ 0.90

##### Installation:

- Universal mounting allows for both recessed flanged and recessed grid mounting, swing arm brackets provided

##### Options:

- Integral Battery Backup provides 14 watts of emergency illumination during power loss (Option: BB)
- IP65 Rated sealed construction suitable for wet locations and high-pressure wash-down. (Option: WL)
- High color-rendering LEDs with ≥90 CRI for improved color accuracy (Option: 90)

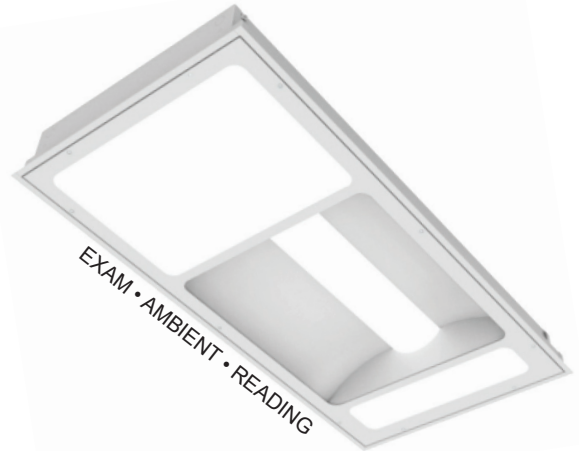
##### Testing & Compliance:

- cETL Listed
- Optional Wet Location (IP65) (Option: WL)
- Buy American Act compliant
- Build America, Buy America Act compliant
- IC Rated
- Operating temperatures: -30°C to 50°C (-22°F to 122°F)

##### Warranty:

- Five Year Warranty (Terms and Conditions Apply)

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
Accessories: \_\_\_\_\_  
Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



#### APPLICATIONS

- Patient Rooms
- Isolation Areas



Specs at a Glance	
<b>Wattage (W)*</b>	25W - 81W
<b>Lumens (lm)</b>	1,550 - 13,000
<b>Efficacy (LPW)</b>	Up to 165
<b>CCT (K)</b>	2700K, 3000K, 3500K, 4000K, 5000K
<b>CRI</b>	≥82, Optional 90
<b>Input Voltage</b>	120/277VAC, 50/60Hz
<b>Operating Temp</b>	-30°C to 50°C (-22°F to 122°F)
<b>Certifications</b>	cETL Listed, Optional Wet Location (IP65)
<b>Warranty</b>	5 Years

\* Nominal Wattage, tested at 4000K CCT. See performance table for details.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

**ORDERING INFORMATION** (Example: MAF-24-25-27K-25-27K-9-27K-1-27K-N-VS-A-14-A-14-F-AM-BB)

Model	Size	Ambient Wattage	Ambient CCT	Exam Wattage	Exam CCT	Reading Wattage	Reading CCT	Night Light Wattage	Night Light CCT
MAF	24 = 2' x 4'	25 = 25 Watt	27K = 2700K	25 = 25 Watt	27K = 2700K	9 = 9.7 Watt	27K = 2700K	BLANK = None	BLANK = None
		43 = 43.8 Watt	3K = 3000K	43 = 43.8 Watt	3K = 3000K	14 = 14.1 Watt	3K = 3000K	1 = .94 Watt	27K = 2700K
		68 = 68.8 Watt	35K = 3500K	68 = 68.8 Watt	35K = 3500K	18 = 18.1 Watt	35K = 3500K	2 = 1.88 Watt	3K = 3000K
		75 = 75 Watt	4K = 4000K	75 = 75 Watt	4K = 4000K		4K = 4000K	3 = 3.13 Watt	35K = 3500K
		81 = 81.3 Watt	5K = 5000K	81 = 81.3 Watt	5K = 5000K		5K = 5000K		4K = 4000K
									5K = 5000K

Outer Lens	Voltage	Housing Material	Housing Gauge Size	Door Material	Door Gauge Size	Mounting
N = No Lens	VS = 120-277VAC	A <sup>1</sup> = Aluminum	14 = 14 Gauge	A <sup>1</sup> = Aluminum	14 = 14 Gauge	F = Flange
CP1 = .125 Clear Polycarbonate		C <sup>2</sup> = Cold Rolled Steel	16 = 16 Gauge	C <sup>3</sup> = Cold Rolled Steel	18 = 18 Gauge	G = Grid
CP2 = .156 Clear Polycarbonate		S <sup>3</sup> = Stainless Steel	18 = 18 Gauge	S <sup>3</sup> = Stainless Steel		
CP3 = .187 Clear Polycarbonate			20 = 20 Gauge			
CP4 = .250 Clear Polycarbonate						
CP5 = .375 Clear Polycarbonate						

Finish	Driver	Options (Factory Installed)
AM = Antimicrobial White	BLANK = 0-10V 1% Dimming Driver	90 = 90 CRI
B <sup>4</sup> = Brushed Door/ White Housing		BB = 14 Watt Battery Backup
WH = White		WL <sup>5</sup> = Wet Location (IP65)

**Notes**<sup>1</sup> Only available in 14 Gauge<sup>2</sup> Only available in 16, 18, and 20 Gauge<sup>3</sup> Only available in 18 Gauge<sup>4</sup> Only available with Stainless Steel Door<sup>5</sup> Requires Outer Lens**PERFORMANCE DATA**

Ambient / Exam				
Wattage	CCT	Lumens	LPW	CRI
25W	2700K	3640	146	≥82
25W	3000K	3760	150	≥82
25W	3500K	3880	155	≥82
25W	4000K	4000	160	≥82
25W	5000K	4120	165	≥82
43W	2700K	6370	145	≥82
43W	3000K	6580	150	≥82
43W	3500K	6790	155	≥82
43W	4000K	7000	160	≥82
43W	5000K	7210	165	≥82
68W	2700K	10010	145	≥82
68W	3000K	10340	150	≥82
68W	3500K	10670	155	≥82
68W	4000K	11000	160	≥82
68W	5000K	11330	165	≥82
75W	2700K	10920	146	≥82
75W	3000K	11280	150	≥82
75W	3500K	11640	155	≥82
75W	4000K	12000	160	≥82
75W	5000K	12360	165	≥82

**PERFORMANCE DATA** (continued)

Ambient / Exam (Continued)				
Wattage	CCT	Lumens	LPW	CRI
81W	2700K	11830	146	≥82
81W	3000K	12220	150	≥82
81W	3500K	12610	155	≥82
81W	4000K	13000	160	≥82
81W	5000K	13390	165	≥82

Reading				
Wattage	CCT	Lumens	LPW	CRI
9W	2700K	1410.5	145	≥82
9W	3000K	1457	150	≥82
9W	3500K	1503.5	155	≥82
9W	4000K	1550	160	≥82
9W	5000K	1596.5	165	≥82
14W	2700K	2047.5	145	≥82
14W	3000K	2115	150	≥82
14W	3500K	2182.5	155	≥82
14W	4000K	2250	160	≥82
14W	5000K	2317.5	164	≥82
18W	2700K	2639	146	≥82
18W	3000K	2726	151	≥82
18W	3500K	2813	155	≥82
18W	4000K	2900	160	≥82
18W	5000K	2987	165	≥82

Night Light				
Wattage	CCT	Lumens	LPW	CRI
1W	2700K	1410.5	145	≥82
1W	3000K	1457	150	≥82
1W	3500K	1503.5	155	≥82
1W	4000K	1550	160	≥82
1W	5000K	1596.5	165	≥82
2W	2700K	2047.5	145	≥82
2W	3000K	2115	150	≥82
2W	3500K	2182.5	155	≥82
2W	4000K	2250	160	≥82
2W	5000K	2317.5	164	≥82
3W	2700K	2639	146	≥82
3W	3000K	2726	151	≥82
3W	3500K	2813	155	≥82
3W	4000K	2900	160	≥82
3W	5000K	2987	165	≥82

DIMENSIONS

