

DESCRIPTION

The MAB Series patient room LED narrow recessed panel is a durable, high-performance luminaire designed for healthcare environments. It offers ambient, exam, and reading illumination in 4, 6, and 8 foot lengths with static CCT between 2700K-5000K and lumen packages from 2,000 to 11,200 lumens. Constructed from marine-grade 0.63-inch aluminum with a matte white or antimicrobial white finish, tamper-resistant T25 Torx hardware, the MAB features multiple lens diffuser options for optimal light distribution and impact resistance.

SPECIFICATIONS

Construction:

- Marine grade 0.63" aluminum enclosure
- Durable TGIC polyester powder coating featuring a 5-stage pre-treatment for superior adhesion and corrosion protection
- Available in White or Antimicrobial White Paint that inhibits growth of bacteria on the fixture surface
- Sold as left/right pair. One fixture is the Master (contains all drivers, controls, and mains power input); the second is the Companion (LED boards only) connected via a simple plug-in link. Single stand-alone version also available
- Tamper resistant T25 Torx hardware

Optics/LEDs:

- Multiple lens diffuser options available
- Lumen packages from 2,000 to 11,200 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:

- Suitable for sheetrock/drywall and T-grid applications
- Ligature-resistant when installed in sheetrock/drywall and when using pick-proof sealant caulk (supplied by others)

Options:

- Integral Battery Backup provides 8 watts of emergency illumination during power loss (Option: BB)
- High color-rendering LEDs with ≥90 CRI for improved color accuracy (Option: 90)
- IP65 Rated sealed construction, suitable for wet locations and high-pressure wash-down (Option: WL)

Testing & Compliance:

- cETL Listed
- Optional Wet Location (IP65) (Option: WL)
- Buy American Act compliant
- Build America, Buy America Act compliant
- IC Rated
- Operating temperatures: -20°C to 50°C (-5°F to 122°F)

Warranty:

- Five Year Warranty (Terms and Conditions Apply)

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____



APPLICATIONS

- Patient Rooms
- Behavioral Health



Specs at a Glance			
Model	MAB-4	MAB-6	MAB-8
Wattage (W)*	12W - 35W	18W - 52W	25W - 70W
Lumens (lm)	2,000 - 5,600	3,000 - 8,400	4,000 - 11,200
Efficacy	Up to 165		
CCT (K)	2700K, 3000K, 3500K, 4000K, 5000K		
CRI	≥82, Optional 90		
Input Voltage	120/277VAC, 50/60Hz		
Operating Temp	-20°C to 50°C (-5°F to 122°F)		
Certifications	cETL Listed, Optional Wet Location (IP65)		
Warranty	5 Years		

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

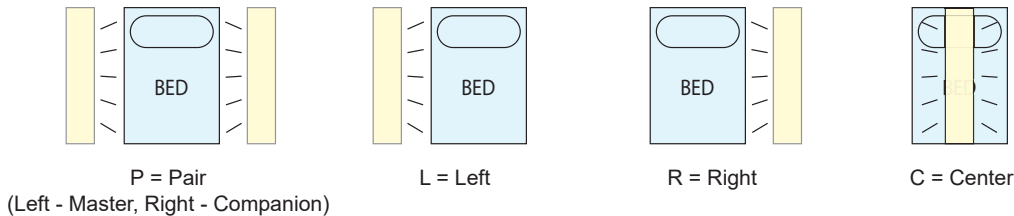
Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

ORDERING INFORMATION (Example: MAB-4-4-12-27K-4-35-27K-4-25-27K-C-G-CP1-WH-VS-BB)

Model	Length	Ambient Wattage	Ambient CCT	Exam Wattage	Exam CCT	Reading Wattage	Reading CCT	Orientation
MAB	4 = 4'	4 Foot	27K = 2700K	4 Foot	27K = 2700K	4 Foot	27K = 2700K	C = Center
	6 = 6'	4-12 = 4', 12.5 Watt	3K = 3000K	4-12 = 4', 12.5 Watt	3K = 3000K	4-12 = 4', 12.5 Watt	3K = 3000K	L = Left
	8 = 8'	4-17 = 4', 17.5 Watt	35K = 3500K	4-17 = 4', 17.5 Watt	35K = 3500K	4-17 = 4', 17.5 Watt	35K = 3500K	R = Right
		4-25 = 4', 25 Watt	4K = 4000K	4-25 = 4', 25 Watt	4K = 4000K	4-25 = 4', 25 Watt	4K = 4000K	P = Pair
		4-35 = 4', 35 Watt	5K = 5000K	4-35 = 4', 35 Watt	5K = 5000K	4-35 = 4', 35 Watt	5K = 5000K	
		6 Foot		6 Foot		6 Foot		
		6-18 = 6', 18.75 Watt		6-18 = 6', 18.75 Watt		6-18 = 6', 18.75 Watt		
		6-26 = 6', 26.25 Watt		6-26 = 6', 26.25 Watt		6-26 = 6', 26.25 Watt		
		6-37 = 6', 37.5 Watt		6-37 = 6', 37.5 Watt		6-37 = 6', 37.5 Watt		
		6-52 = 6', 52.5 Watt		6-52 = 6', 52.5 Watt		6-52 = 6', 52.5 Watt		
		8 Foot		8 Foot		8 Foot		
		8-25 = 8', 25 Watt		8-25 = 8', 25 Watt		8-25 = 8', 25 Watt		
		8-35 = 8', 35 Watt		8-35 = 8', 35 Watt		8-35 = 8', 35 Watt		
		8-50 = 8', 50 Watt		8-50 = 8', 50 Watt		8-50 = 8', 50 Watt		
		8-70 = 8', 70 Watt		8-70 = 8', 70 Watt		8-70 = 8', 70 Watt		

Mounting	Lens	Finish	Voltage	Driver	Options (Factory Installed)
G = Grid	CP1 = .125 Clear Polycarbonate	AM = Antimicrobial White Paint	VS = 120-277VAC	BLANK = 0-10V 1% Dimming Driver	90 = 90 CRI
F = Flange	CP2 = .156 Clear Polycarbonate	WH = Matte White			BB = 8 Watt Battery Backup
FL = Flangeless	CP3 = .187 Clear Polycarbonate				WL = Wet Location (IP65)
	PA1 = .125 Prismatic Acrylic				
	PA2 = .156 Prismatic Acrylic				
	PA3 = .187 Prismatic Acrylic				
	SY = Symmetric .100 Diffused				
	Frosted DR Acrylic				

ORIENTATION DETAIL



PERFORMANCE DATA

Model	Wattage	CCT	Lumens	LPW	CRI
MAB-4-12	12.5W	2700K	1820	146	≥82
MAB-4-12	12.5W	3000K	1880	150	≥82
MAB-4-12	12.5W	3500K	1940	155	≥82
MAB-4-12	12.5W	4000K	2000	160	≥82
MAB-4-12	12.5W	5000K	2060	165	≥82
MAB-4-17	17.5W	2700K	2548	146	≥82
MAB-4-17	17.5W	3000K	2632	150	≥82
MAB-4-17	17.5W	3500K	2716	155	≥82
MAB-4-17	17.5W	4000K	2800	160	≥82
MAB-4-17	17.5W	5000K	2884	165	≥82
MAB-4-25	25W	2700K	3640	146	≥82
MAB-4-25	25W	3000K	3760	150	≥82
MAB-4-25	25W	3500K	3880	155	≥82
MAB-4-25	25W	4000K	4000	160	≥82
MAB-4-25	25W	5000K	4120	165	≥82

PERFORMANCE DATA (continued)

Model	Wattage	CCT	Lumens	LPW	CRI
MAB-4-35	35W	2700K	3640	104	≥82
MAB-4-35	35W	3000K	3760	107	≥82
MAB-4-35	35W	3500K	5432	155	≥82
MAB-4-35	35W	4000K	5600	160	≥82
MAB-4-35	35W	5000K	5768	165	≥82
MAB-6-18	18.75W	2700K	2730	146	≥82
MAB-6-18	18.75W	3000K	2820	150	≥82
MAB-6-18	18.75W	3500K	2910	155	≥82
MAB-6-18	18.75W	4000K	3000	160	≥82
MAB-6-18	18.75W	5000K	3090	165	≥82
MAB-6-26	26.25W	2700K	3822	146	≥82
MAB-6-26	26.25W	3000K	3948	150	≥82
MAB-6-26	26.25W	3500K	4074	155	≥82
MAB-6-26	26.25W	4000K	4200	160	≥82
MAB-6-26	26.25W	5000K	4326	165	≥82
MAB-6-37	37.5W	2700K	5460	146	≥82
MAB-6-37	37.5W	3000K	5640	150	≥82
MAB-6-37	37.5W	3500K	5820	155	≥82
MAB-6-37	37.5W	4000K	6000	160	≥82
MAB-6-37	37.5W	5000K	6180	165	≥82
MAB-6-52	52.5W	2700K	5460	104	≥82
MAB-6-52	52.5W	3000K	5640	107	≥82
MAB-6-52	52.5W	3500K	8148	155	≥82
MAB-6-52	52.5W	4000K	8400	160	≥82
MAB-6-52	52.5W	5000K	8652	165	≥82
MAB-8-25	25W	2700K	3640	146	≥82
MAB-8-25	25W	3000K	3760	150	≥82
MAB-8-25	25W	3500K	3880	155	≥82
MAB-8-25	25W	4000K	4000	160	≥82
MAB-8-25	25W	5000K	4120	165	≥82
MAB-8-35	35W	2700K	5096	146	≥82
MAB-8-35	35W	3000K	5264	150	≥82
MAB-8-35	35W	3500K	5432	155	≥82
MAB-8-35	35W	4000K	5600	160	≥82
MAB-8-35	35W	5000K	5768	165	≥82
MAB-8-50	50W	2700K	7280	146	≥82
MAB-8-50	50W	3000K	7520	150	≥82
MAB-8-50	50W	3500K	7760	155	≥82
MAB-8-50	50W	4000K	8000	160	≥82
MAB-8-50	50W	5000K	8240	165	≥82
MAB-8-70	70W	2700K	7280	104	≥82
MAB-8-70	70W	3000K	7520	107	≥82
MAB-8-70	70W	3500K	10864	155	≥82
MAB-8-70	70W	4000K	11200	160	≥82
MAB-8-70	70W	5000K	11536	165	≥82

DIMENSIONS

