

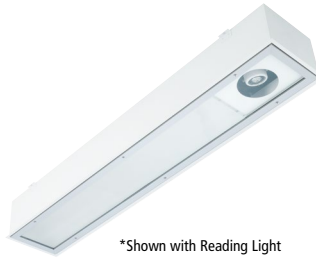
# MEDMASTER™

## Luminaires for Patient/Exam Rooms

### MAEC SERIES

#### PRODUCT FEATURES:

- » Ceiling mount – 8" x 48"
- » Product must be specified and ordered in pairs
- » Indirect Ambient and Direct Exam functions
- » Adjustable MR16 Reading light
- » Ingress Barrier door provides consistent surface for ease of cleanability



#### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

#### SPECIFICATIONS

**HOUSING:** 20-gauge CRS; one-piece seam welded construction. 18-gauge housing flange with mitered and welded corners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**DOORFRAME:** Heavy duty extruded marine grade aluminum with clear satin anodized finish. Doorframe supported to housing with aircraft cables (IB-AC) to provide NSF2 listing, or an optional continuous hinged doorframe (IB-HD). Select in ordering options below. Phillips-head stainless steel fasteners secure door to housing- six (6) with IB-AC and two (2) with IBHD. Closed cell silicone gasket seals the doorframe to housing. Lens sealed to extruded aluminum frame using a vinyl gasket.

**OPTIC:** Clear impact-resistant acrylic outer lens with inner high-efficiency diffuser. Exam function: direct 15° asymmetric linear overlay optic. Ambient function: Indirect high-efficiency TGIC painted white reflector. Optional reading light MR16 LED 20° beam with field aiming capability (90° rotation and 0-45° vertical).

**LED MODULE:** AMBIENT/EXAM: Serviceable mid-power LED array. See Ordering Information for CCT options. 3-step MacAdam variation allowance. 82 CRI minimum. READING: Single 6.5W MR16 LED lamp; 3000K CCT with 80 CRI minimum; non-dimming.

**DRIVER:** 120-277VAC or 347VAC, 50/60Hz electrical input (PF ≥ 0.9, THD < 20%). Minimum 85% electrical efficiency. Serviceable constant-current programmable driver. 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); 165µA max. source current per circuit. Specified-voltage required for optional Reading lamp. Optional LVCD controls low-voltage patient interface, controlling the ambient function independently with dimming control and the exam function independently without dimming. Optional secondary conduit entry available.

**INSTALLATION:** GRID MOUNT: Designed for 1" grid. Includes integral brackets for securing hanger wire. FLANGE MOUNT: Supplied with Drywall Frame Kit.

**WARRANTY:** Limited five (5) year warranty.

**LISTINGS:** Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Locations and Non-IC installation. UL certified IP65 per IEC 60598. NSF2 Splash/Non-Food Zone (IB-AC only).



#### ORDERING INFORMATION (Ex: MAEC-48-G-38L/38L/6L-35K8-DIM1-277-IB-AC-RLRS-LVCD)

Model	Length	Mounting	Lamp Power	Lamp Color	Driver Type	Voltage	Doorframe Option	Reading Light Orientation	Options
<b>MAEC</b>	<b>48</b>				<b>DIM1</b>		<b>IB-</b>		
	<b>Nominal Length</b>				<b>Driver Type</b>			<b>Reading Light Orientation<sup>▲</sup></b>	
	48 48"				<b>DIM1</b> 0-10V Dimming to 1%			<b>RLRS</b> Reading Light, Right Side Mount	
								<b>RLLS</b> Reading Light, Left Side Mount	
	<b>Mounting Style</b>				<b>Voltage</b>			<b>Options</b>	
	G Grid (1")				<b>120</b> 120 Volts			<b>LEL*</b> 8.4W Emergency Battery Backup (wired to exam)	
	F Flange (with Drywall Frame Kit)				<b>277</b> 277 Volts			<b>AMF</b> Antimicrobial Finish on exposed surfaces	
					<b>347</b> 347 Volts			<b>FS</b> Fuse & Holder	
	<b>Lamp Power</b>				<b>DV</b> 120-277 Volts			<b>LVC</b> Low Voltage Controller (Click <a href="#">here</a> for specifications)	
	<b>40L/40L</b> 40 Watt Ambient/40 Watt Exam (Two Function)							<b>LVCS</b> Low Voltage Controller with Secondary Conduit Entry (Click <a href="#">here</a> for specifications)	
	<b>38L/38L/6L</b> 38 Watt Ambient/38 Watt Exam/6 Watt Reading (Three Function)				<b>Doorframe Option</b>			<b>LVCD</b> Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)	
					<b>AC</b> Ingress Barrier with Aircraft Cables			<b>LVCDSD</b> Low Voltage Controller with Dimming and Secondary Conduit Entry (Click <a href="#">here</a> for specifications)	
	<b>Lamp Color (Ambient/Exam)</b>				<b>HD</b> Ingress Barrier with Continuous Piano Hinge (n/a with NSF2 listing)				
	<b>30K8</b> 3000K/82CRI min								
	<b>35K8</b> 3500K/82CRI min								
	<b>40K8</b> 4000K/82CRI min								
	<b>50K8</b> 5000K/82CRI min								

\* n/a with 347V

▲ Three-function configurations only. Luminaires with reading light option must be specified in pairs. Specify right and left side orientation, per application. Not available with DV Voltage option

#### ACCESSORIES ORDERED SEPARATELY

**MPWS** Low Voltage Wall Switch (Click [here](#) for Specifications)



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### MAEC SERIES

#### PERFORMANCE

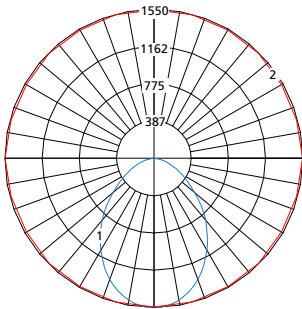
Model	Function	Lamp Power	Initial Delivered Lumens, by Lamp Color (lm)				Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)
			30K8	35K8	40K8	50K8			
Two-Function	Ambient	40L	2,953	3,003	3,102	3,195	65 - 70	45	80,000
	Exam	40L	3,536	3,596	3,715	3,826	77 - 83	46	80,000
	Ambient + Exam	40L/40L	6,396	6,503	6,718	6,920	70 - 76	91	80,000
Three-Function	Ambient	38L	3,071	3,123	3,226	3,323	70 - 76	44	80,000
	Exam	38L	3,527	3,586	3,705	3,816	81 - 88	44	80,000
	Ambient + Exam	38L/38L	6,490	6,599	6,817	7,022	74 - 81	87	80,000
	Reading	6L	463				56	8	35,000

Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric data, please go to [www.kenall.com](http://www.kenall.com).

Model: MAEC-48-w-38L-38L-6L-40K8-DIM1-xxx-yy-zzz (Ambient)

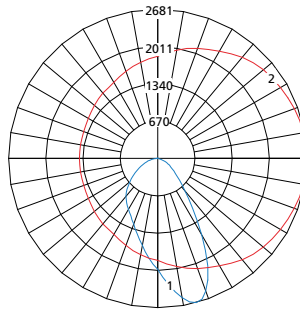
Model: MAEC-48-w-38L-38L-6L-40K8-DIM1-xxx-yy-zz-RLLS (Exam)

Model: MAEC-48-w-38L-38L-6L-40K8-DIM1-xxx-yy-zzz (Reading)



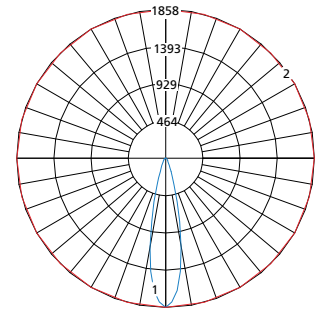
Maximum Candela = 1550 Located At Horizontal Angle = 0, Vertical Angle = 2.5

— 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 — 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)



Maximum Candela = 2681 Located At Horizontal Angle = 0, Vertical Angle = 15

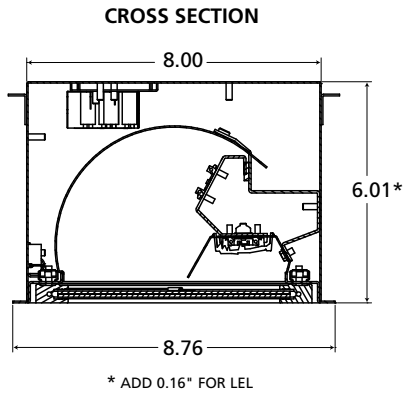
— 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 — 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)



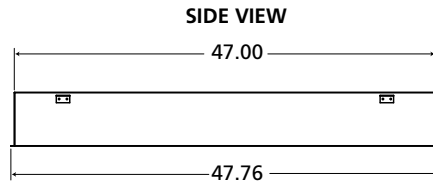
Maximum Candela = 1858 Located At Horizontal Angle = 0, Vertical Angle = 0

— 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 — 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

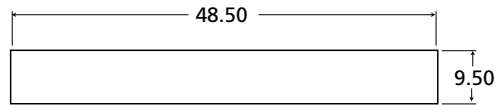
#### DIMENSIONAL DATA



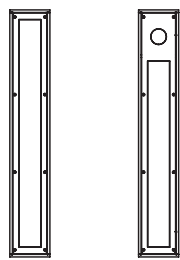
\* ADD 0.16" FOR LEL



#### FLANGE MOUNT CEILING CUTOUT



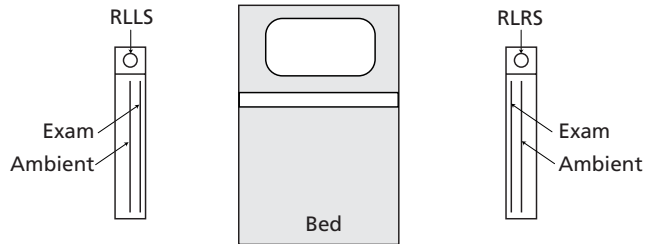
#### BOTTOM VIEW



Two Function

Three Function

#### READING AND EXAM LIGHT LAYOUT (Must be specified in pairs)



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