

Medium & Maximum Security Luminaires: MX-R-LED

Medium/Maximum Security Luminaires

- **Doorframe constructed of steel available in 16Ga, 14Ga, 12Ga**
- **Available with up to 5/8" lensing.**
- **Electrical gear tray houses all electrical components. Removable without tools for quick maintenance.**
- **Recessed mount seam welded housing available in 16Ga, 14Ga, and 12Ga steel.**
- **Made in the USA by a Family Owned US Corporation**
- **Recessed Housing suitable for T-bar Grid & Hardlid Installations**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

Series	Installation	Material	Size	Light Intensity	CCT/CRI	Optics	Options
MX							
Series	Installation	Material	Size	Light Intensity	CCT/CRI	Optics	Options
MX	RTR Recessed (Threaded Rod)	DOOR / HOUSING	1x4 1' x 4' Housing	LO Low Output	835 3500K	ROOM SIDE/ INSIDE	NL Night Light, 2700K CCT on its own switched circuit
	RCB Recessed (Cross Bar)	12C* 12 GA CRS Painted White	2x2 2' x 2' Housing	MED Medium Output	840 4000K	0 .125" P12 Polycarbonate	DNL Night Light Dimmer (installed inside fixture for tuning)
	RYK Recessed (Yoke)		2x4 2' x 4' Housing	HI High Output	850 5000K	1 .125" Frosted Flat Polycarbonate	EM10 10W Integral LED EM (Specify Input Voltage)
	RGC Recessed (Grid Clip)					2 .135" P12 Acrylic	EM20 20W Remote LED EM (Specify Input Voltage)
		14C 14 GA CRS Painted White				3 .156" P12 Polycarbonate	FC Fuse & Holder (One Supplied Per Circuit)
		16C* 16 GA CRS Painted White *Subject to MOQ				4 .125" Clear Flat Polycarbonate	GTD Generator Transfer Device
						5 .250" Clear Flat Polycarbonate	OCCMW Internal Microwave OCC Sensor
						6 .375" Clear Flat Polycarbonate	10KV 10kv Parallel Surge Protection
						7 .500" Clear Flat Polycarbonate	TOOL Tamper Resistant Bit Provided
						Select up to 2 Lensing combining up to 5/8" total thickness	AH Allen Head CRP Screws
							PHD Plano Hinge Door
							AMW Anti-Microbial White Powdercoat
							PxL Programmed to User Specified Lumen Value.
							PxW Programmed to User Specified Wattage Value.

Ordering Notes, If Applicable

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SPECIFICATIONS

GEARTRAY: All electrical components are installed on electrical gear tray. Gear tray is secured to the luminaire with (4) thumb screws and is quickly removable for quick field service or replacement.

DOOR FRAME: One piece die formed and seam welded door-frame is secured flush to housing with #10 stainless steel captive Torx with reject pin screws. Available in 16ga, 14ga, and 12ga CRS and optionally available with concealed staked piano hinge. See options for alternate fasteners.

HOUSING: One piece housing is die formed and seam welded. Available in 16ga, 14ga, and 12Ga CRS.

FINISH: All materials are provided with gloss high reflectance white polyester powder coat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat to all exposed surfaces.

LENSING: Lensing is mechanically secured to door frame with #10 studs. Specify up to 2 lensing combining up to 5/8" thickness.

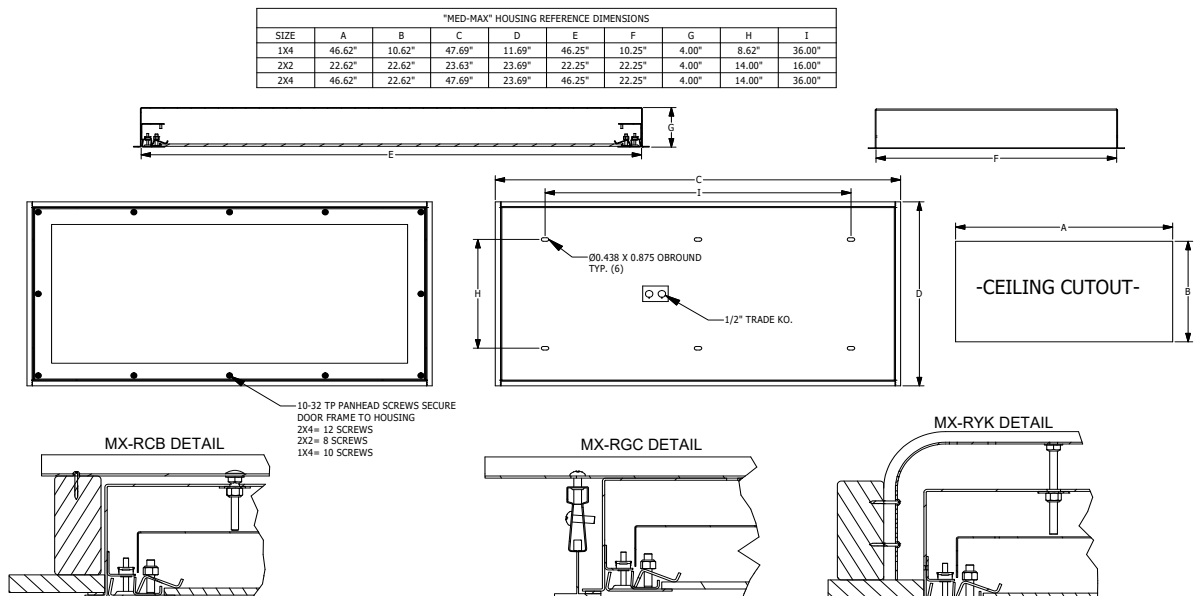
INSTALLATION: Available in recessed installations and sized to fit in hardlid or standard 1"-1.5" Grid ceilings. See options and details for installation methods (threaded rods, crossbars, yokes, and grid clips). Knockouts provided on back of housing.

LEDs: Available in 3 standard lumen packages. PXL or PXW options allow for a specified lumen or wattage selection. Optionally available with a 2700K CCT night light circuit that generates a minimum of 1000Lm. Night light optionally available with integral dimmer mounted on gear tray to allow field adjustability to reduce risk of tampering from over illumination and ensures minimum light levels within the space are met.

ELECTRICAL: 0-10V dimming drivers dim to 1% standard, other controls available in options. Optionally available with multi circuit switching. Provided with optional emergency batteries for power outages.

LISTINGS: This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS



03-BX-L-REC MEDMAX DATE: 2/15/21

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ENERGY DATA

MX-RS-LED TROFFER (APPROX ¹ LUMENS DELIVERED)							
ENCLOSURE SIZE	LIGHT PACKAGE	LENS OPTION		80 CRI (3500K - 5000K)			STANDARD DIMMING
		OUTSIDE	INSIDE	LUMENS ¹	WATTS ²	EFFICACY ³	
1X4	LOW	3	0	3,986	39	102	0-10V 1%
1X4	MEDIUM	3	0	5,680	59	96	0-10V 1%
1X4	HIGH	3	0	7,125	79	90	0-10V 1%
2X2	LOW	3	0	4,097	39	106	0-10V 1%
2X2	MEDIUM	3	0	5,881	59	100	0-10V 1%
2X2	HIGH	3	0	7,417	79	93	0-10V 5%
2X4	LOW	3	0	8,767	80	110	0-10V 1%
2X4	MEDIUM	3	0	12,605	120	105	0-10V 1%
2X4	HIGH	3	0	16,107	159	101	0-10V 1%
ALL	NIGHTLIGHT	3	0	500	8	67	0-10V 1%

¹ DELIVERED LUMEN DATA IS ADJUSTED FROM TESTED DATA WITH ACRYLIC LENS

² WATTAGE IS MEASURED WITH 4000K SELECTION @ 120VAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS

³ EFFICACY CALCULATED USING 4000K CCT DATA.

⁴ 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY. DELIVERED LUMENS = (EFFICACY) * 10W

PHOTOMETRICS

P12 ACR LENS

Fixture Size: 2'x4'

Key:

----- 0
- - - - - 45
————— 90

