

MX-R/MX-S Series

Medium/Maximum Security Luminaires

- **14Ga door frame secured with captive flush mount stainless steel tamper-resistant #10 fasteners.**
- **Available with up to 5/8" lensing.**
- **Electrical gear tray houses all electrical components. Removable without tools for quick maintenance.**
- **14Ga housing available in surface or recessed mounting.**
- **Designed to fit with close tolerance fit with the door to eliminate risk of tampering.**
- **Made in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

Series	Installation	Materials	Size	Amb. Light Intensity	Amb. CRI/CCT	Lens	Options	
MX								
1-SERIES	2 - INSTALLATION	3 - MATERIALS	4 - SIZE		5 - AMBIENT LIGHT INTENSITY	6 - AMBIENT CRI/CCT	7 - LENS	8 - OPTIONS (Not Required)
MX	S Surface RTR Recessed (Threaded Rod) RCB Recessed (Cross Bar) RYK Recessed (Yoke) RGC Recessed (Grid Clip) <i>Note: Recessed Installation is suitable for both hardlid and most grid ceilings. See Mounting details section and Dimensional drawings for reference.</i>	DOOR / HOUSING 12C* 12 GA CRS Painted White 14C 14 GA CRS Painted White 16C* 16 GA CRS Painted White <i>*subject to MOQ</i>	1X4 Nominal 1' x 4' Housing 2X2 Nominal 2' x 2' Housing 2X4 Nominal 2' x 4' Housing	LO Low Output MED Medium Output HI High Output	835 80 CRI; 3500K 840 80 CRI; 4000K 850 80 CRI; 5000K	Room Side / Inside 0 .125" P12 Polycarbonate 1 .125" Frosted Flat Polycarbonate 2 .135" P12 Acrylic 3 .156" P12 Polycarbonate 4 .125" Clear Flat Polycarbonate 5 .250" Clear Flat Polycarbonate 6 .375" Clear Flat Polycarbonate 7 .500" Clear Flat Polycarbonate <i>Select up to 2 Lensing combining up to 5/8" total thickness</i>	NL Night Light, 2700K CCT on its own switched circuit DNL Night Light Dimmer (installed inside fixture for tuning) EM10 10W Emergency Battery (Internal) EM20 20W Emergency Battery (Remote Mount) FC Fuse and Fuse Holder (1 Per Specified Circuit) DALI Dali Digital Dimming Drivers GTD Generator Transfer Device OCCMW Microwave Occupancy Sensor (installed behind lens) DIM1 0-10v 1% Dimming 10KV 10kv Parallel Surge Protection TOOL Tamper Resistant Bit Provided AH Allen Head CRP Screws PHD Piano Hinge Door	

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SPECIFICATIONS

GEARTRAY: All electrical components are installed on electrical gear tray. Geartray 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 doorframe is secured flush to housing with #10 stainless steel captive Torx with reject pin screws. Door is tightly toleranced to fit into the housing with minimal gaps on the perimeter. Available in 14ga 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 recessed or surface installations. Available in 14ga CRS.

FINISH: Housings and doors are provided with a 1000hrs salt spray polyester powder coating.

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

RECESSED 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.

SURFACE INSTALLATION: Available in surface installations. Provided with 1/4" mounting holes on back of enclosure and 2" hole in center of housing for power supply.

LEDS: Available in 3 standard lumen packages. PXL or PXW options allow for a specified lumen or wattage selection. Optionally available with a 2200k 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.

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ENERGY DATA

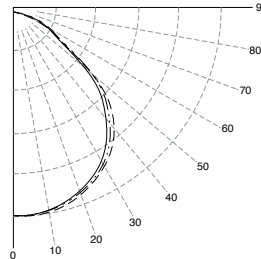
POLY ZCD-RS-LED TROFFER (APPROX ¹ LUMENS DELIVERED)							
ENCLOSURE SIZE	LIGHT PACKAGE	LENS OPTION		80 CRI (3500K - 5000K)			STANDARD DIMMING
		OUTSIDE	INSIDE	LUMENS ¹	WATTS ²	EFFICACY ³	
1X4	LOW	3	0	3,986	39	102	0-10V 1%
1X4	MEDIUM	3	0	5,680	59	96	0-10V 1%
1X4	HIGH	3	0	7,125	79	90	0-10V 1%
2X2	LOW	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	NA
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. DEKUYERED LUMENS = (EFFICACY) * 10W

PHOTOMETRICS

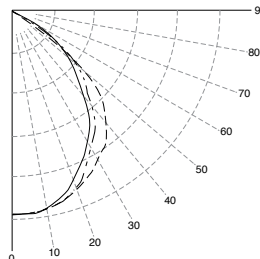
MX-S-14C-2X2-HI-840-3/0-120V

Report No: 20710
 Total Lumens: 7,417
 Wattage: 79.4000
 Efficacy: 93.4 (Lumens Per Watt)
 Fixture Size: 2'x2'
 Key:
 - - - - - 0
 45
 ———— 90



MX-S-14C-1X4-HI-840-3/0-120V

Report No: 20709
 Total Lumens: 7,125
 Wattage: 79.299
 Efficacy: 89.8 (Lumens Per Watt)
 Fixture Size: 1'x4'
 Key:
 - - - - - 0
 45
 ———— 90



MX-S-14C-2X4-HI-840-3/0-120V

Report No: 20711
 Total Lumens: 16,107
 Wattage: 159.2900
 Efficacy: 101.1 (Lumens Per Watt)
 Fixture Size: 2'x4'
 Key:
 - - - - - 0
 45
 ———— 90

