KURTZON
SPECIFICATION GRADE LIGHTING
ILLUMINATING YOUR WORLD

Medium & Maximum Security **Luminaires: MX-S-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.**

- **Surface mounted seam welded housing available in 16Ga, 14Ga, and 12Ga steel.**

- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**

ORDERING GUIDE

Series	Material	Size	Light Intensity	CCT/CRI	Optics	Options
MX-S						

Series	Material		Size		Light Intensity		CCT/CRI		Optics		Options	
MX-S	DOOR / HOUSING		**1x4**	1' x 4' Housing	**L0**	Low Output	**835**	3500K		OUTSIDE / INSIDE	**NL**	Night Light, 2700K CCT on its own switched circuit
	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 fixutre for tuning)
			2x4	2' x 4' Housing	**HI**	High Output	**850**	5000K	**1**	.125" Frosted Flat Polycarbonate	**EM10**	10W Integral LED EM (Specify Input Voltage)
	14C	14 GA CRS Painted White							**2**	.135" P12 Acrylic	**EM20**	20W Remote LED EM (Specify Input Voltage)
									3	.156" P12 Polycarbonate	**FC**	Fuse & Holder (One Supplied Per Circuit)
	16C*	16 GA CRS Painted White White AM Alum Door							**4**	.125" Clear Flat Polycarbonate	**GTD**	Generator Transfer Device
		*Subject to MOQ							**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
											AH	Allen Head CRP Screws
										Select up to 2 Lensing combining up to 5/8" total thickness. Select up to 1 layer of prismatic lensing	**PHD**	Piano Hinge Door
											AMW	Anti-Microbrial 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 luminare 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. Available in 16ga, 14ga, or 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.
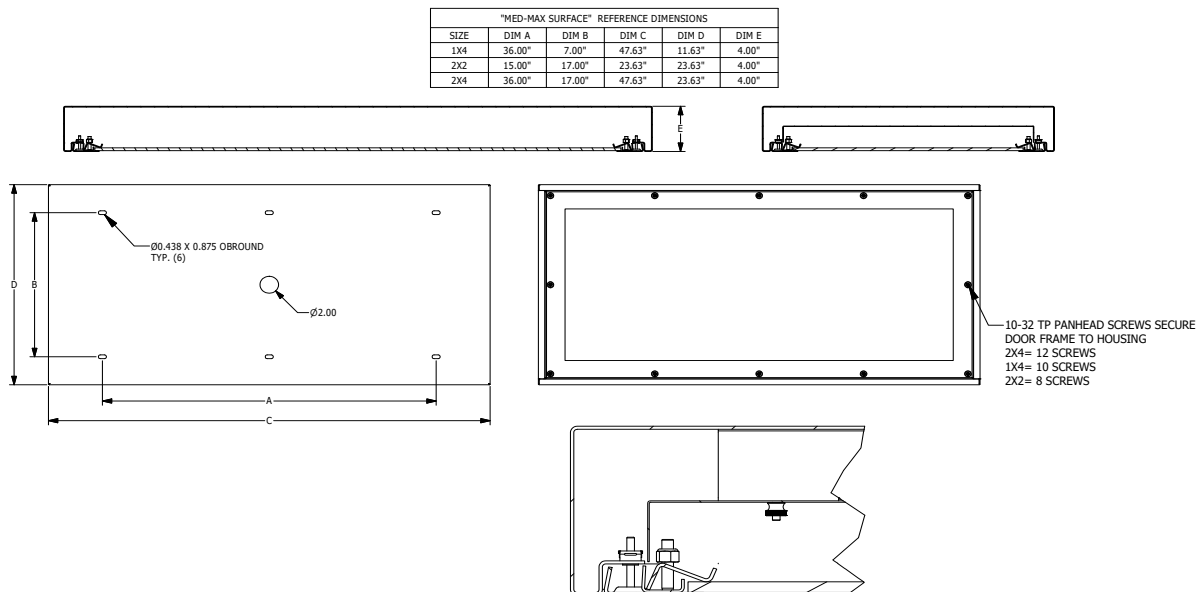
INSTALLATION: Available in surface installations. Provided with 1/4" mounting holes on back of enclosure and 2" hole in center of housing for power supply.

LEDS: Available in 3 standard lumen packages. PXL or PXW options allow for a specified lumen or wattage selection. Optionally available with a 2700K CCT night light circuit that generates a minumum of 1000Lm. Night light optionally available with integral dimmer mounted on gear tray to allow field adjustablilty 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 availabe 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

"MED-MAX SURFACE" REFERENCE DIMENSIONS					
SIZE	DIM A	DIM B	DIM C	DIM D	DIM E
1X4	36.00"	7.00"	47.63"	11.63"	4.00"
2X2	15.00"	17.00"	23.63"	23.63"	4.00"
2X4	36.00"	17.00"	47.63"	23.63"	4.00"

Ø0.438 X 0.875 OBROUND TYP. (6)

Ø2.00

10-32 TP PANHEAD SCREWS SECURE DOOR FRAME TO HOUSING
2X4= 12 SCREWS
1X4= 10 SCREWS
2X2= 8 SCREWS

03-BX-L-SURF MEDMAX DATE: 2/16/2021

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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. DEKUVERED LUMENS = (EFFICACY) * 10W

PHOTOMETRICS

P12 ACR LENS

Fixture Size: 2'x4'

Key:

- – – – – **0**
- · · — · · — · · **45**
- ———— **90**