MX2S

PoE | tunable WHITE
2" Continuous – Surface

Williams

4"
2-1/4"

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Create elegant spaces with a seamless, continuous row of illumination
- Specify in one inch increments to create a perfect fit
- Flat, glowing edge, drop and regressed lenses give designers a variety of looks
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Versatile MX2 system includes recessed, surface, suspended and in-wall mounting, see hew.com
- Corner configurations available, see Product Builder a hew.com/product-builder
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – Extruded aluminum with die-cast end plates.
- SHIELDING – Extruded, flat, diffuse acrylic lens.
- FINISH – Textured matte white polyester TGIC powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High-quality mid-power LED board. L70 > 60,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Surface.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe

ORDERING EXAMPLE: MX2S - 12'00 - P8/835 - F - OPTIONS - POE PR

SERIES	ILLUMINATED LENGTH
MX2S	Lengths specified in feet and inches using 1" increments, 2' minimum. Example: **12'00** = 12'-0"

Product Builder

Easily build shapes & simplify ordering with the Williams Linear Product Builder at hew.com/product-builder [1]

LUMENS [2]	CRI	CCT	SHIELDING [3]	OPTIONS	CONTROL [4]
P8 800lm	**8** 80	**27** 2700K	**F** Flat, diffuse acrylic	See page 3 for FINISH OPTIONS.	**POE PR** Power over Ethernet-ready
	9 90 [5]	**30** 3000K	**FW** Flat, diffuse acrylic with widespread optic		
		35 3500K	**G** Diffuse acrylic with glowing edge		
		40 4000K	**D** Diffuse acrylic with 1" drop		
		50 5000K	**R** Regressed diffuse acrylic, 1" [6]		
		TW Tunable white (80 CRI, 3000K-5000K)			

NOTES

1. See page 3 for CORNER DETAILS.
2. Nominal lumens per foot output based on F Shielding, 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA.
3. G, D, and R Shielding not available with corner configurations. See page 2 for SHIELDING DETAILS.
4. For additional PoE connection details, consult factory.
5. Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
6. Increases fixture height. See page 2 for SHIELDING DETAILS.

H.E. Williams, Inc. ■ Carthage, Missouri ■ www.hew.com ■ 417-358-4065 ■ Designed and Manufactured in the USA
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FIXTURE PERFORMANCE DATA

STANDARD (PER FOOT)

DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
802	6.3	127

TUNABLE WHITE (PER FOOT)

| DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
804	6.3	128

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

COLOR TEMPERATURE			
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	–
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	–
	3000K	0.82	–
	3500K	0.83	–
	4000K	0.86	–
	5000K	0.89	–

SHIELDING	
LENS	CONVERSION FACTOR
D	1.05
F	1.00
G	0.98
FA	0.96
FW	0.92
R	0.91
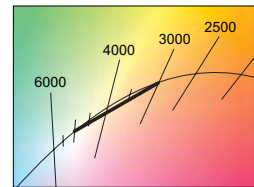
PHOTOMETRY

MX2S-4'00-P8/835-F Total Luminaire Output: 3208 lumens; 25.2 Watts | Efficacy: 127.3 lm/W | 80 CRI; 3500K CCT
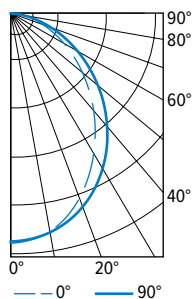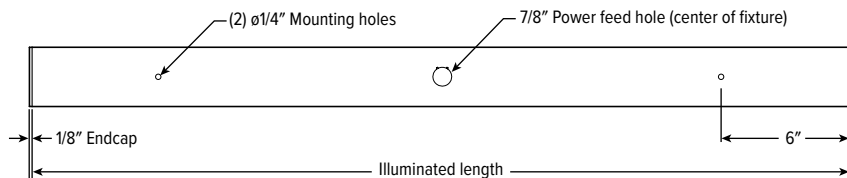
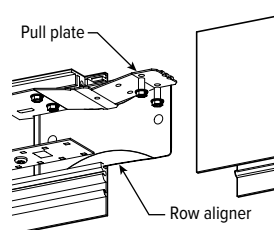| VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1417	1417	1417	
5	1405	1409	1412	133
15	1335	1322	1308	372
25	1197	1155	1114	531
35	1006	944	889	591
45	789	724	668	560
55	569	513	466	462
65	363	324	294	325
75	183	168	156	180
85	46	49	50	55
90	6	10	12	

ZONE	LUMENS	% FIXTURE
0 - 30	1036	32
0 - 40	1627	51
0 - 60	2648	83
0 - 90	3208	100
0 - 180	3208	100

CANDLEPOWER DISTRIBUTION

LUMEN SUMMARY

FIXTURE DETAILS

BACK VIEW

(2) ø1/4″ Mounting holes

7/8″ Power feed hole (center of fixture)

1/8″ Endcap

Illuminated length

6″

ROW ALIGNMENT SYSTEM

Pull plate
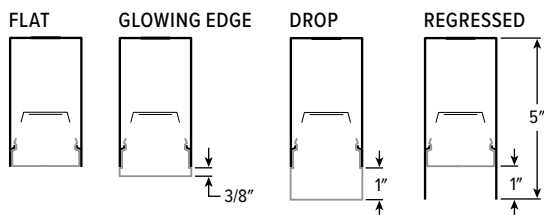
Row aligner

Installer friendly row aligners ensure seamless joining between fixtures while factory installed pull plate locks extrusions in place without disassembly of fixture internals.

SHIELDING DETAILS

FLAT

GLOWING EDGE

3/8″

DROP

1″

REGRESSED

5″

1″

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CORNER DETAILS

BACK VIEW

3"
6"
7/8" Power feed hole
1-1/8"
(4) ø5/16" mounting holes
6"

6"
3"
7/8" Power feed hole
(3) ø5/16" mounting holes
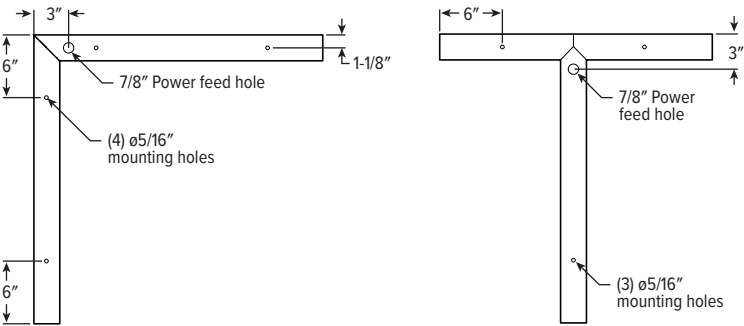
Note: Corner orientation determined in field.
Feeder corner end cap shipped separately.

FINISH OPTIONS

WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM
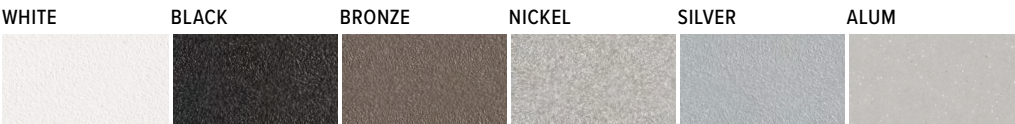
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

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