

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 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
- Maximize energy savings with efficacies as high as 127 lm/W
- 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](http://hew.com)
- Corner configurations available, see Product Builder at [hew.com/product-builder](http://hew.com/product-builder)
- Made Right Here® in the USA

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

### SERIES 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](http://hew.com/product-builder)<sup>[1]</sup>



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

## 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.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://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](http://hew.com/poe)
- Consult factory for design support



## NOTES

- <sup>1</sup> See page 3 for CORNER DETAILS.
- <sup>2</sup> Nominal lumens per foot output based on F shielding, 80 CRI, and 3500K for single CCT and 4000K for TW. Actual lumens may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA.
- <sup>3</sup> G, D, and R Shielding not available with corner configurations. See page 2 for SHIELDING DETAILS.

- <sup>4</sup> See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see [hew.com/poe](http://hew.com/poe).
- <sup>5</sup> Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- <sup>6</sup> Increases fixture height. See page 2 for SHIELDING DETAILS.



# MX2S PoE | tunable **WHITE** 2" Continuous – Surface

## FIXTURE PERFORMANCE DATA

### STANDARD (PER FOOT)

| DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|------------------|---------|-----------------|
| 802              | 6.3     | 127.3           |

### TUNABLE WHITE (PER FOOT)

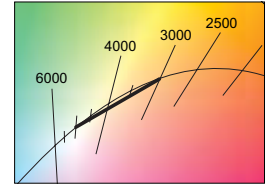
| DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|------------------|---------|-----------------|
| 804              | 6.3     | 127.6           |

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary ±5%.
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary ±5%.
- Use multiplier tables to calculate additional options.

### MULTIPLIER TABLES

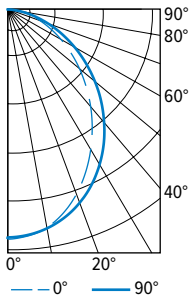
|        | COLOR TEMPERATURE |          |               |
|--------|-------------------|----------|---------------|
|        | CCT               | LUMENS   |               |
|        |                   | STANDARD | TUNABLE WHITE |
| 80 CRI | 2700K             | 0.97     | –             |
|        | 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 |
| F         | 1.00              |
| G         | 0.98              |
| D         | 1.05              |
| R         | 0.91              |
| FW        | 0.91              |
| FA        | 0.96              |



## PHOTOMETRY

MX2S-4'00-P8/835-F Total Luminaire Output: 3208 lumens; 25.2 Watts | Efficacy: 127.3 lm/W | 80 CRI; 3500K CCT

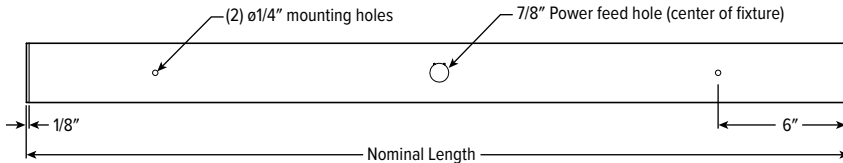


| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 0              | 1417             | 1417 | 1417 |              |
| 5              | 1405             | 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   |              |

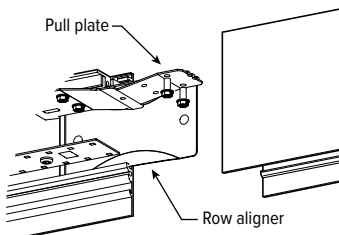
| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               |         | 0 - 30 | 1036      |
|               | 0 - 40  | 1627   | 51        |
|               | 0 - 60  | 2648   | 83        |
|               | 0 - 90  | 3208   | 100       |
|     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

## FIXTURE DETAILS

### BACK VIEW

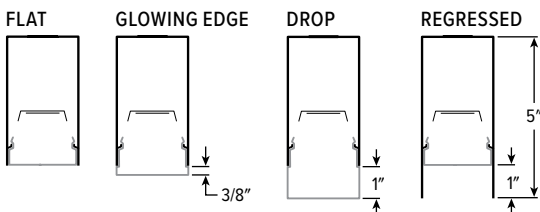


### ROW ALIGNMENT SYSTEM



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

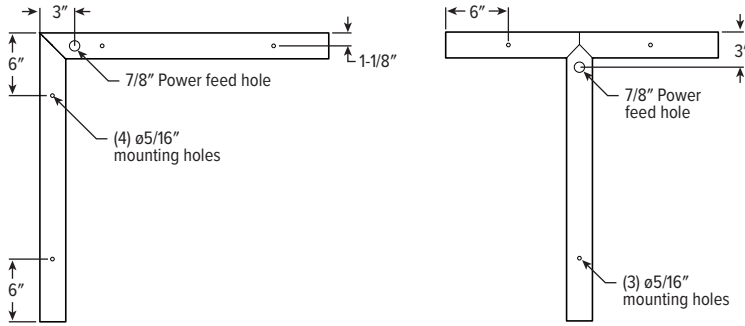
## SHIELDING DETAILS



# MX2S PoE | tunable **WHITE** 2" Continuous – Surface

## CORNER DETAILS

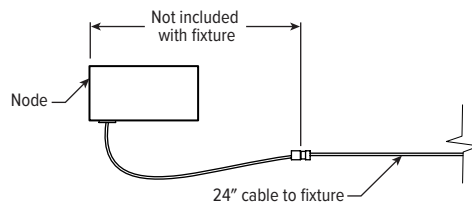
### BACK VIEW



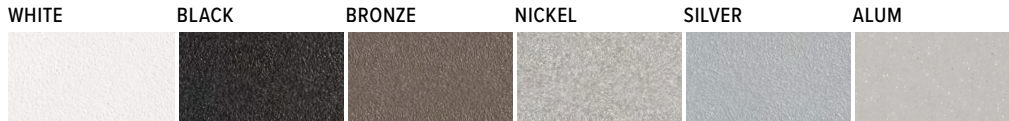
Note: Corner orientation determined in field. Feeder corner end cap shipped separately.

## NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: [platformatics.com/product/poe-ln2](http://platformatics.com/product/poe-ln2)



## FINISH OPTIONS



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.

