

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

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

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



## 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
- 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](http://hew.com)
- Corner configurations available, see Product Builder at [hew.com/product-builder](http://hew.com/product-builder)
- Made Right Here<sup>®</sup> in the USA

## SPECIFICATIONS

- HOUSING** – Extruded aluminum.
- SHIELDING** – Extruded, flat, diffuse acrylic lens.
- FINISH** – 92% minimum average reflective white polyester 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** – MX2RT: Drywall mount allowing for ceiling materials 1/4" - 1-1/4" thick. Fixture to be installed prior to drywall or finished ceiling material. MX2RG: NEMA Type "G" 15/16" or 1" grid standard. MX2SG: NEMA Type "SS" 9/16" grid standard.
- 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](http://hew.com/baa).
- 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)

## ORDERING EXAMPLE: MX2RTR - 8'00 - P8/835 - F - OPTIONS - POE PR

SERIES	FIXTURE STYLE	LENGTH	Product Builder
MX2R	TR Drywall or Hard Surface - Trim	Lengths specified in feet and inches using 1" increments, 2' minimum. Example: 8'00 = 8'-0"	Easily build shapes & simplify ordering with the Williams Linear Product Builder at <a href="http://hew.com/product-builder">hew.com/product-builder</a> <sup>[3]</sup>
	TL Drywall or Hard Surface - Trimless		
	G Grid <sup>[1]</sup>		
	SG Slot Grid <sup>[2]</sup>		

LUMENS <sup>[4]</sup>	CRI	CCT	SHIELDING <sup>[5]</sup>	OPTIONS	CONTROL <sup>[6]</sup>
P8 800lm	8 80 9 90 <sup>[7]</sup>	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K TW Tunable white (80 CRI, 3000K-5000K)	F Flat, diffuse acrylic FW Flat, diffuse acrylic with widespread optic G Diffuse acrylic with glowing edge D Diffuse acrylic with 1" drop R Regressed diffuse acrylic, 1" <sup>[8]</sup>	WET/CC Wet location under covered ceiling	POE PR Power over Ethernet-ready

## NOTES

- Earthquake clips provided.
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- See page 3 for CORNER DETAILS.
- 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.
- G, D, and R Shielding not available with corner configurations. See page 2 for SHIELDING DETAILS.
- For additional PoE connection details, consult factory.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- Increases fixture height. See page 2 for SHIELDING DETAILS.



# MX2R PoE | tunable **WHITE** 2" Continuous – Recessed

## FIXTURE PERFORMANCE DATA

### STATIC WHITE (PER FOOT)

DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
865	6.3	137

### TUNABLE WHITE (PER FOOT)

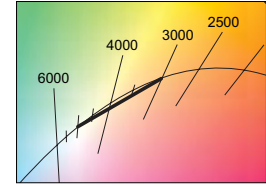
DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
862	6.3	137

- 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

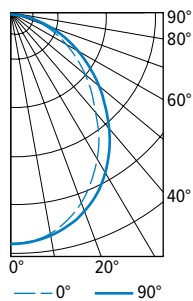
	COLOR TEMPERATURE	
	CCT	LUMENS
80 CRI	STANDARD	TUNABLE WHITE
	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

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



## PHOTOMETRY

**MX2RG-4'00-P8/835-F** Total Luminaire Output: 3460 lumens; 25.2 Watts | Efficacy: 137.3 lm/W | 80 CRI; 3500K CCT

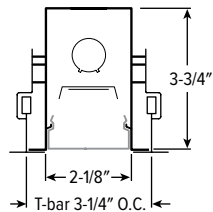


	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
CANDLEPOWER DISTRIBUTION	0	1498	1498	1498	
	5	1488	1485	1484	141
	15	1420	1407	1386	396
	25	1282	1245	1197	572
	35	1074	1017	963	637
	45	831	771	717	599
	55	603	555	510	499
	65	392	359	330	357
	75	199	186	174	199
	85	49	53	53	59
	90	1	6	9	

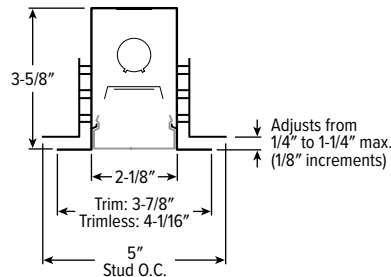
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1110	32
	0 - 40	1747	51
	0 - 60	2845	82
	0 - 90	3460	100
	0 - 180	3460	100

## CROSS SECTIONS

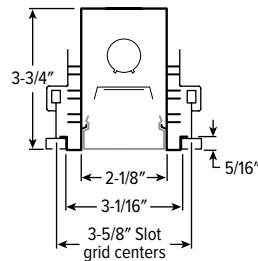
### MX2RG



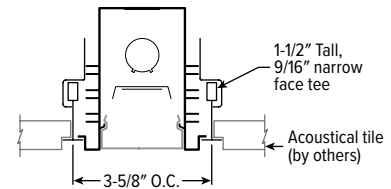
### MX2RT



### MX2RSG

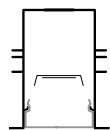


### MX2RSG (9/16" Narrow Face Tees)

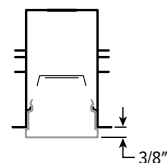


## SHIELDING DETAILS

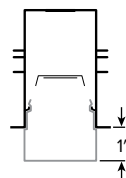
### FLAT



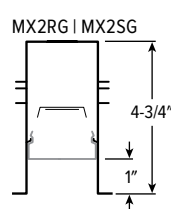
### GLOWING EDGE



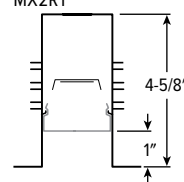
### DROP



### REGRESSED

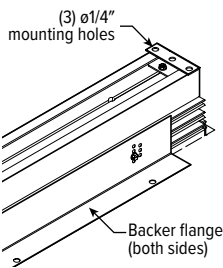


### MX2RG | MX2SG



FIXTURE DETAILS

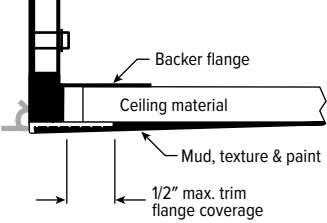
BACK VIEWS  
MX2RT



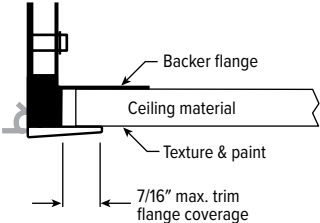
MX2RG | MX2SG



TRIM FINISH DETAILS (MX2RT only)  
Trimless (MX2RTL)



Trim (MX2RTR)

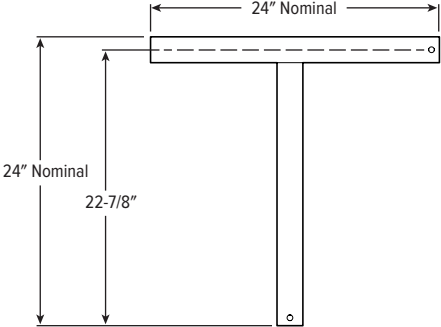
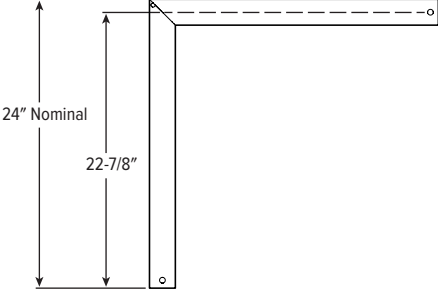


ROUGH-IN DIMENSIONS

- Framing allowance for width (stand-alone) is 3-1/2" ± 1/4".
- Framing allowance for length (All Types) is length plus 1-1/2" minimum.

CORNER DETAILS

BACK VIEW



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

