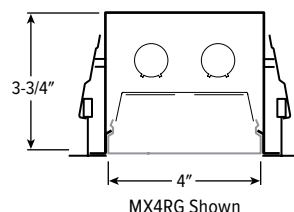


# MX4R tunable WHITE

## 4" Continuous – Recessed



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

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

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



### FEATURES

- 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
- High-performance up to 130 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Versatile MX4 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)
- Diffuse acrylic lens provides uniform illumination for visual comfort
- Made Right Here® 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. 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** – MX4RT: Drywall mount allowing for ceiling materials 1/4" - 1-1/4" thick. Fixture to be installed prior to drywall or finished ceiling material. MX4RG: NEMA Type "G" 15/16" or 1" grid standard.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - City of Chicago Environmental Air approved when specified with CP option.
  - 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).

### ORDERING EXAMPLE: MX4RTR - 8'00 - L8/8TW - F - OPTIONS - CONTROL/DALI - UNV

SERIES	FIXTURE STYLE	LENGTH
MX4R	TR Drywall or Hard Surface - Trim	Lengths specified in feet and inches using 1" increments, 2" minimum. Example: 8'00 = 8'-0"
	TL Drywall or Hard Surface - Trimless	
	G Grid <sup>[1]</sup>	

#### Product Builder

Easily build shapes & simplify ordering with the Williams Linear Product Builder at [hew.com/product-builder](http://hew.com/product-builder) <sup>[2]</sup>



LUMENS <sup>[3]</sup>	COLOR	SHIELDING	OPTIONS <sup>[4]</sup>
L8 800lm	8TW Tunable white (80 CRI, 3000K-5000K)	F Flat, diffuse acrylic	<b>EM/10W</b> 10-watt emergency battery <sup>[5]</sup> <b>EM/10WRM</b> Remote mount 10-watt emergency battery <b>V90R</b> Vertical 90° corner, recessed <sup>[6]</sup> <b>V90G</b> Vertical 90° corner, grid <sup>[7]</sup> <b>CP</b> Chicago Plenum (CCEA) <b>ASY</b> Asymmetric distribution <sup>[8]</sup> <b>(L__)</b> Additional lower lumen packages available <sup>[9]</sup> Example: 600 lumens = MX4RTR-8'00-L8/8TW-(L6) <b>WET/CC</b> Wet location under covered ceiling

CONTROL	DRIVER <sup>[10]</sup>	VOLTAGE
– None	<b>DALI</b> Driver prewired for DALI applications	<b>120</b> 120V
See page 4 for Additional Control Options. <sup>[11]</sup>	<b>DIM</b> (1) 0-10V signal to control dimming (1) 0-10V signal to control CCT	<b>277</b> 277V
	<b>DMX</b> Driver prewired for DMX applications	<b>UNV</b> 120-277V
	<b>PSQ</b> Lutron T-Series 2-channel tunable white 1%	

### NOTES

- Earthquake clips provided.
- See page 3 for CORNER DETAILS.
- Lumens per foot output based on F shielding, 80 CRI/4000K CCT. Actual performance may vary ±5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- See Technical Info for [Power Entry](#) details.
- Not available with fixtures less than 4'.
- Connects MX4RT to vertically mounted MX4RT. Ships separately. Extended lead times may apply. Consult factory for availability.
- Connects MX4RG to vertically mounted MX4RT. Extended lead times may apply. Consult factory for availability.
- Available with F shielding only. Creates uneven lens illumination. See page 2 for CROSS SECTIONS.
- (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- See page 4 for DRIVER DETAILS.
- See page 3 for SENSOR PLACEMENT DETAILS.



# MX4R

tunable **WHITE**  
4" Continuous – Recessed

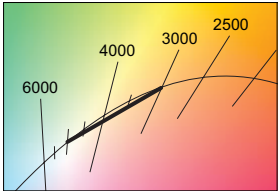
## FIXTURE PERFORMANCE DATA

PER FOOT		
DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
870	6.7	130

- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

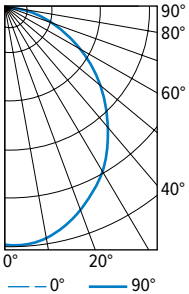
### MULTIPLIER TABLE

CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04



## PHOTOMETRY

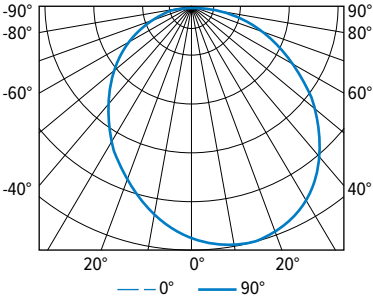
**MX4RG-4'00-L8/8TW-F-DALI** Total Luminaire Output: 3480 lumens; 26.8 Watts | Efficacy: 130 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1424	1424	1424	
	5	1432	1406	1404	134
	15	1366	1332	1324	377
	25	1221	1201	1183	553
	35	1048	1016	998	640
	45	840	823	789	631
	55	631	594	584	537
	65	392	378	366	376
	75	179	177	179	190
	85	28	28	28	41
	90	2	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1064	31
	0 - 40	1704	49
	0 - 60	2873	83
	0 - 90	3480	100
	0 - 180	3480	100

**MX4RG-4'00-L8/8TW-F-ASY** Total Luminaire Output: 3089 lumens; 26.8 Watts | Efficacy: 115 lm/W | 80 CRI; 4000K CCT

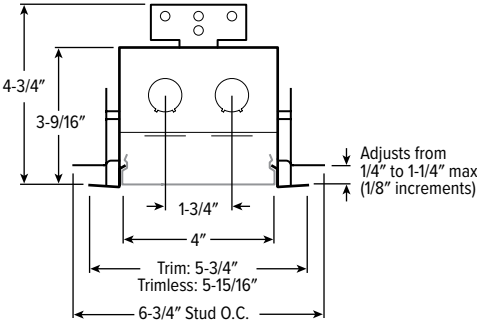


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1114	1114	1114	1114	1114	
	5	1110	1135	1148	1135	1110	105
	15	1064	1145	1179	1145	1064	300
	25	977	1097	1147	1097	977	452
	35	851	989	1046	989	851	537
	45	702	839	891	839	702	547
	55	541	661	705	661	541	490
	65	371	465	499	465	371	374
	75	196	266	290	266	196	219
	85	48	83	96	83	48	65
	90	2	12	18	12	2	

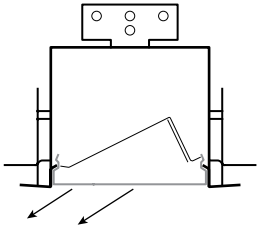
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	857	28
	0 - 40	1394	45
	0 - 60	2431	79
	0 - 90	3089	100
	0 - 180	3089	100

## CROSS SECTIONS

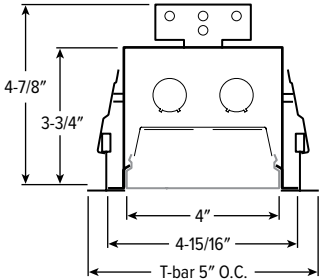
### MX4RT



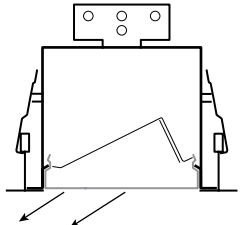
### ASY OPTION



### MX4RG



### ASY OPTION



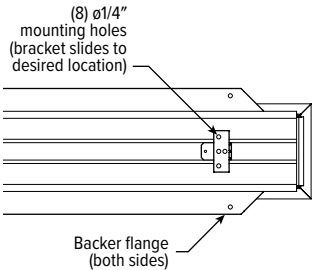
# MX4R tunable WHITE

## 4" Continuous – Recessed

### FIXTURE DETAILS

#### BACK VIEWS

MX4RT

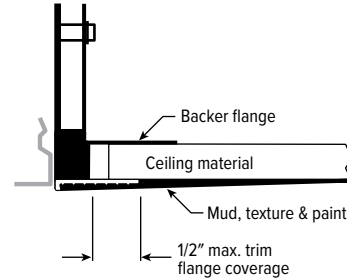


MX4RG

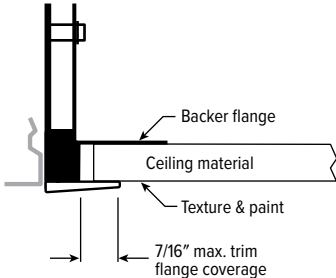


#### TRIM FINISH DETAILS (MX4RT only)

Trimless



Trim



#### ROUGH-IN DIMENSIONS

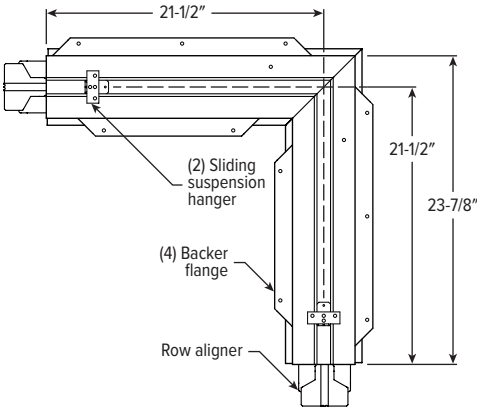
- Framing allowance for width (stand-alone) is  $5-3/4" \pm 1/4"$ .
- Framing allowance for length (All Types) is length plus 1-1/2" minimum.

### CORNER DETAILS

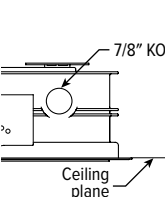
Note: Corner orientation determined in field. Feeder corner end cap shipped separately.

MX4R90T

BACK VIEW

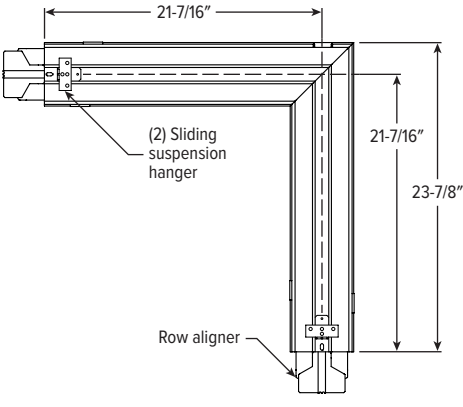


SIDE VIEW

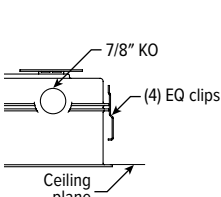


MX4R90G

BACK VIEW

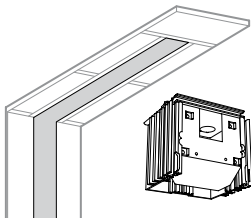


SIDE VIEW

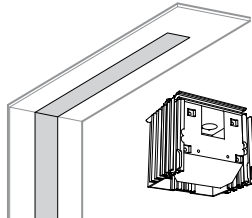


#### TRANSITION CORNERS

Includes tamper resistant lens bracket for lower end of vertical fixture.

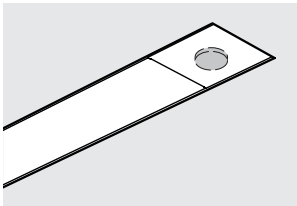


V90G



V90R

### SENSOR PLACEMENT DETAILS



H.E. Williams, Inc.



Carthage, Missouri



[www.hew.com](http://www.hew.com)



417-358-4065



Designed and Manufactured in the USA

REV.12/06/23.LA

Continuous

Page 3 of 4

# MX4R tunable WHITE

## 4" Continuous – Recessed

### ADDITIONAL CONTROL OPTIONS

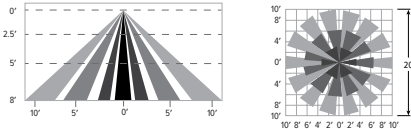
Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory.

**OCCWS-FS-305-L6-PP-120/277** Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V

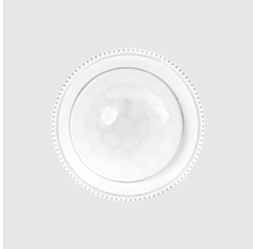
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	8'
LENS	Indoor, non-wet location use
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

#### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



#### SENSOR DETAIL



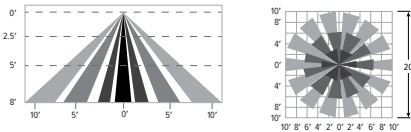
Dimensions: ø1-5/16"

**OCCWS-LMFS-601-PP-120/277** Wattstopper PIR motion and daylight sensor with power pack, 120/277V

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
LENS	Up to 300 sq/ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

#### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



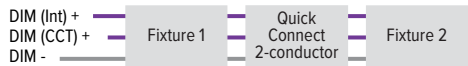
#### SENSOR DETAIL



Dimensions: ø1-5/16"

### DRIVER DETAILS

#### DIM



#### DMX



#### DALI



#### LUTRON T-SERIES

