

# MX4S tunable WHITE

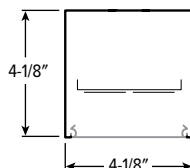
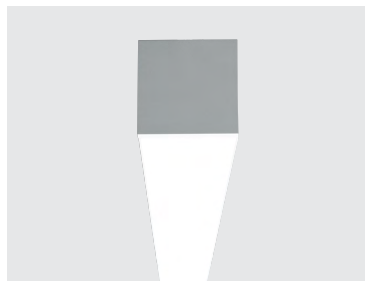
## 4" Continuous – Surface



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
- Flat and proud lenses give designers a variety of looks
- High-performance up to 123 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/mx4](http://hew.com/mx4)
- 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
- Wireless in-fixture control solutions available
- 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. 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. 50/60 Hz constant current driver.
- MOUNTING** – Surface.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [hew.com/buy-american](http://hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

### ORDERING EXAMPLE: MX4S - 12'00 - L8/8TW - F - OPTIONS - CONTROL/DALI - UNV

#### SERIES ILLUMINATED LENGTH <sup>[1]</sup>

**MX4S** Lengths specified in feet and inches using 4" 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>[2]</sup>



**LUMENS <sup>[3]</sup>**  
**L8** 800lm

**COLOR**  
**8TW** Tunable white  
(80 CRI, 3000K-5000K)

**SHIELDING**  
**F** Flat, diffuse acrylic  
**P** Proud, diffuse acrylic with 5/16" drop <sup>[5]</sup>

**OPTIONS <sup>[4]</sup>**  
See page 2 for **FINISH OPTIONS**.

**EM/10W** 10-watt emergency battery <sup>[6]</sup>  
**EM/10WRM** Remote mount 10-watt emergency battery  
**EM/10WRM/RTS** Remote mount 10-watt emergency battery with regressed test switch  
**ASY (L\_\_)** Asymmetric distribution <sup>[7]</sup>  
Additional lower lumen packages available <sup>[8]</sup>  
Example: 600 lumens = MX4S-12'00-L8/8TW-(L6)

#### CONTROL <sup>[9]</sup>

See page 4 for **ADDITIONAL CONTROL OPTIONS**.

– None  
**AWN** Lutron Athena wireless node integral fixture control, RF only <sup>[10]</sup>  
**AWNS** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing <sup>[11]</sup>

#### DRIVER

See page 4 for **DRIVER DETAILS**.

**DALI** Driver prewired for DALI applications  
**DIM** (1) 0-10V signal to control dimming  
(1) 0-10V signal to control CCT  
**DMX** Driver prewired for DMX applications  
**DSR** Sensor-ready driver without external dimming wires (D4i DALI-2). <sup>[12]</sup>  
**LD2** Lutron DALI-2 digital driver, 1%

#### VOLTAGE

**120** 120V  
**277** 277V  
**UNV** 120-277V

### NOTES

- Endcaps add 7/8" to overall specified length.
- See page 3 for **FIXTURE DETAILS**.
- Lumens per foot 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.
- Remote EM batteries: max remote distance 50'. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for **REMOTE MOUNT BATTERY DETAILS**.
- See page 3 for **FIXTURE DETAILS**. Not available with corner configurations.

- Not available with fixtures less than 4'.
- 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.
- Reduces portion of lit fixture, consult factory. See page 3 for **SENSOR & NODE PLACEMENT DETAILS**.
- DSR and LD2 Drivers only.
- DSR and LD2 Drivers only.
- Lutron Athena Controls only.



# MX4S tunable WHITE

## 4" Continuous – Surface

### FIXTURE PERFORMANCE DATA

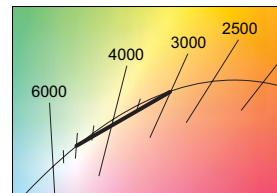
PER FOOT		
DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
821	6.7	123

- 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 tables to calculate additional options.

### MULTIPLIER TABLES

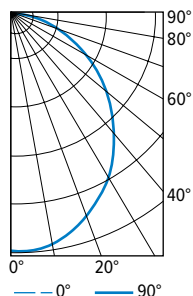
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

ASY OPTION	
WATTAGE	EFFICACY (lm/W)
1.03	0.97



### PHOTOMETRY

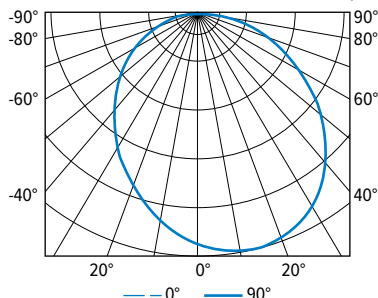
**MX4S-4'00-L8/8TW-F-DALI** Total Luminaire Output: 3284 lumens; 26.8 Watts | Efficacy: 123 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1297	1297	1297	
5	1324	1287	1273	122
15	1280	1228	1206	347
25	1145	1109	1083	510
35	992	944	927	595
45	805	768	740	595
55	602	573	538	511
65	392	369	353	367
75	185	177	176	192
85	29	36	33	45
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	979	30
	0 - 40	1574	48
	0 - 60	2680	82
	0 - 90	3284	100
	0 - 180	3284	100

**MX4S-4'00-L8/8TW-F-ASY** Total Luminaire Output: 3089 lumens; 26.8 Watts | Efficacy: 115 lm/W | 80 CRI; 4000K CCT

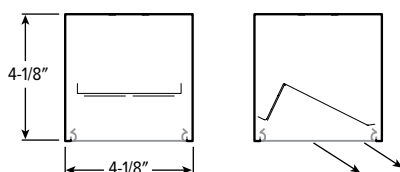


VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1114	1114	1114	1114	1114	
5	1110	1135	1148	1135	1110	105
15	1064	1145	1179	1145	1064	300
25	977	1097	1147	1097	977	452
35	851	989	1046	989	851	537
45	702	839	891	839	702	547
55	541	661	705	661	541	490
65	371	465	499	465	371	374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

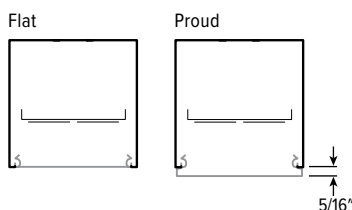
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	857	28
	0 - 40	1394	45
	0 - 60	2431	79
	0 - 90	3089	100
	0 - 180	3089	100

### CROSS SECTIONS

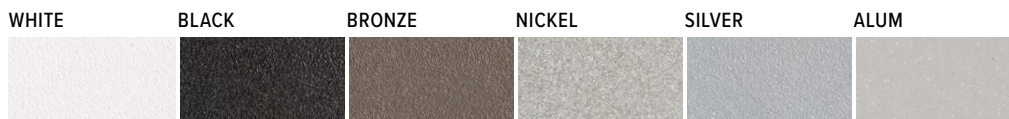
#### ASY OPTION DETAILS



#### SHIELDING DETAILS



### 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.



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

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Designed and Manufactured in the USA

REV.02/28/25.JL

Continuous

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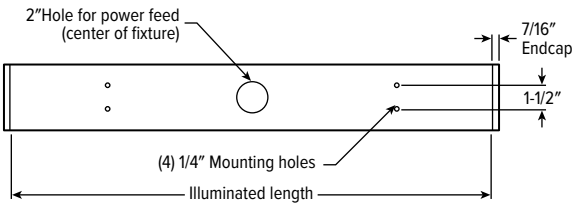
# MX4S tunable WHITE

## 4" Continuous – Surface

### FIXTURE DETAILS

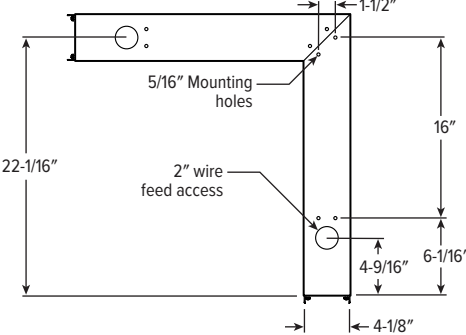
See [hew.com/power-entry](http://hew.com/power-entry) for power entry details.

#### BACK VIEW



#### CORNER DETAILS

Left back view shown



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

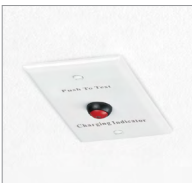
### REMOTE MOUNT BATTERY DETAILS

#### EM/10WRM/RTS



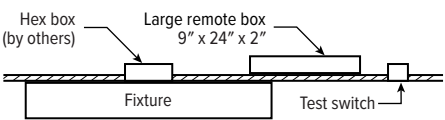
Regressed test switch  
ø1-3/4"

#### EM/10WRM

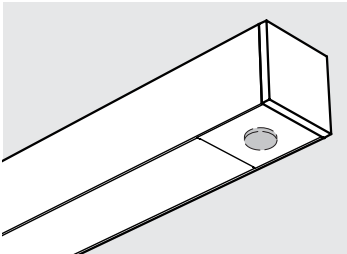


Standard test switch  
2-3/4" x 4-1/2"

Max remote distance is 50', connection by others.



### SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL CONTROL OPTIONS CONTINUED ON NEXT PAGE



# MX4S tunable WHITE 4" Continuous – Surface

## ADDITIONAL CONTROL OPTIONS

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

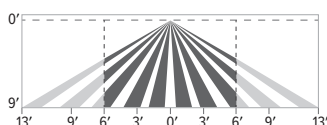
**AWNS** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

SPECIFICATIONS	
TYPE	Radio Frequency
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron



### SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

### SENSOR DETAIL



Dimensions: ø1-1/8"

## ATHENA CONTROL OPTIONS

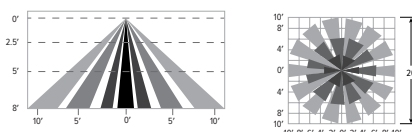
CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.

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

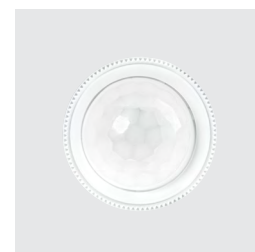
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	8'
LENS	Indoor, non-wet location use
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



### SENSOR DETAIL



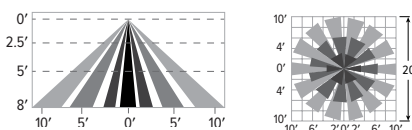
Dimensions: ø1-5/16"

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

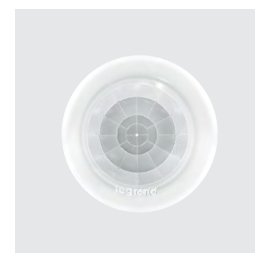
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
LENS	Up to 300 sq/ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



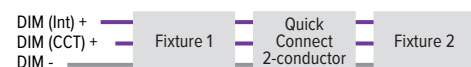
### SENSOR DETAIL



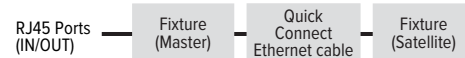
Dimensions: ø1-5/16"

## DRIVER DETAILS

### DIM



### DMX



### DALI



### LD2

