

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

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

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

## FEATURES

- Available with BIOS® SkyBlue® technology to support proper daytime circadian stimulus
- 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 115 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)
- Factory installed row alignment system creates straight rows with ease
- 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 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 boards. Reported L70: >54,000 hours. Reported L90: 52,000 hours. Estimated L70: 170,000 hours. 25°C maximum ambient operating temperature.
- MOUNTING** – Surface.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - DesignLights Consortium Premium qualified product. Not all versions of this product may be DLC Premium qualified, see the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## ORDERING EXAMPLE: MX2S - 12'00 - L8/835 - F - OPTIONS - CONTROL - DIM - UNV

### 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>
L4 400lm	8 80	27 2700K	F Flat, diffuse acrylic
L8 800lm	9 90 <sup>[4]</sup>	30 3000K	G Diffuse acrylic with glowing edge
L12 1200lm	35 3500K	35 3500K	D Diffuse acrylic with 1" drop
	40 4000K	40 4000K	R Regressed diffuse acrylic, 1" <sup>[5]</sup>
	50 5000K	50 5000K	

### OPTIONS<sup>[6]</sup>

<b>EM/7WLP</b>	Low-profile 7-watt emergency battery <sup>[8]</sup>
<b>EM/7WRM</b>	Remote mount 7-watt emergency battery
<b>EM/10WLP</b>	Low-profile 10-watt emergency battery <sup>[9]</sup>
<b>EM/10WRM</b>	Remote mount 10-watt emergency battery
<b>(L__)</b>	Additional lower lumen packages available <sup>[10]</sup> Example: 600 lumens = MX2S-12'00-L8/835-(L6)

### CONTROL<sup>[7]</sup>

–	None
<b>VDO</b>	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>[11]</sup>
<b>VRF</b>	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>[12]</sup>
<b>WS FS-305-L6-PP-120/277</b>	Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V
<b>WS LMFS-601-PP-120/277</b>	Wattstopper PIR motion and daylight sensor with power pack, 120/277V
<b>SS SFR-7-120/277</b>	Sensor Switch PIR motion sensor, 120/277V

### DRIVER<sup>[13]</sup>

DRIVER <sup>[13]</sup>	VOLTAGE
<b>DIM</b> Dimming driver	120 120V
<b>DSR</b> Sensor-ready driver <sup>[14]</sup>	277 277V
	UNV 120-277V
	347 347V <sup>[15]</sup>

## NOTES

- See page 5 for CORNER DETAILS.
- Lumens per foot output based on 80 CRI, 3500K CCT and F shielding. Actual lumens may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- G, D, and R Shielding not available with corner configurations. See page 5 for SHIELDING DETAILS.
- Extended lead times may apply. Consult factory for availability.
- Increases fixture height. See page 5 for SHIELDING DETAILS.
- See page 5 for FINISH OPTIONS. Custom colors available upon request.
- See page 3 for CONTROL DETAILS. Reduces portion of lit fixture, consult factory.

- Not available with fixtures less than 4'.
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- (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- DSR or LDE Drivers only. LDE drivers require driver interface.
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- See page 4 for ADDITIONAL DRIVER OPTIONS.
- VDO and VRF Controls only.
- Not available with EM batteries or control sensors.



# MX2S LED 2" Continuous – Surface

## FIXTURE PERFORMANCE DATA

	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L4	387.5	3.4	114.0
L8	775.0	6.7	115.7
L12	1162.5	13.5	86.11

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on F shielding, 3500K, 80 CRI, actual lumens may vary +/-5%.
- Use multiplier tables to calculate additional options.

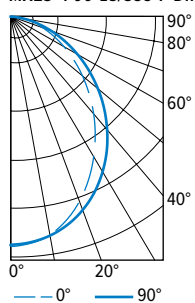
## MULTIPLIER TABLES

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	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
F	1.00
G	0.98
D	1.05
R	0.91
FW	0.91
FA	0.96

## PHOTOMETRY

MX2S-4'00-L8/835-F-DIM Total Luminaire Output: 3100 lumens; 27 Watts | Efficacy: 115 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1370	1370	1370	
	5	1358	1362	1365	129
	15	1290	1278	1264	359
	25	1157	1116	1077	513
	35	972	912	859	571
	45	763	700	645	541
	55	550	496	451	446
	65	351	314	284	314
	75	177	162	151	174
	85	44	48	48	53
	90	5	10	11	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
0 - 40	1572	51	
0 - 60	2559	83	
0 - 90	3100	100	
0 - 180	3100	100	

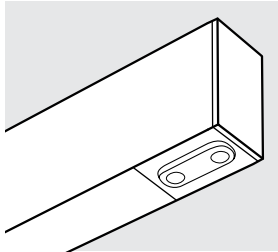


# MX2S LED

## 2" Continuous – Surface

### CONTROL DETAILS

#### SENSOR PLACEMENT

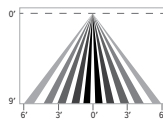


#### VDO

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	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

#### VIVE CONTROL OPTIONS

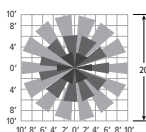
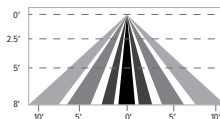
CATALOG NUMBER	DESCRIPTION
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) for use with sensor-ready driver
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) for use with sensor-ready driver
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
VRF/DBI	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver

#### WS FS-305-L6-PP-120/277

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
MANUFACTURER	Wattstopper

#### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage

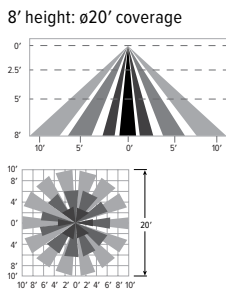


# MX2S LED 2" Continuous – Surface

WS LMFS-601-PP-120/277

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)
MANUFACTURER	Wattstopper

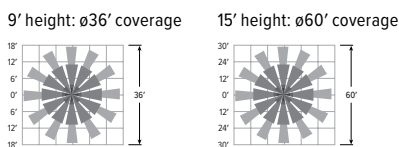
### SENSOR COVERAGE PATTERNS



SS SFR-7-120/277

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	8' – 20'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 60°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Single push button on sensor
MANUFACTURER	Sensor Switch

### SENSOR COVERAGE PATTERNS



## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

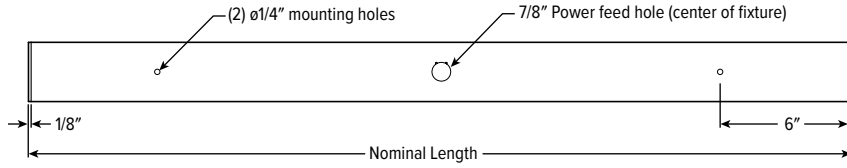


# MX2S LED

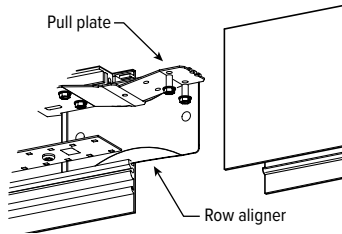
## 2" Continuous – Surface

### FIXTURE DETAILS

#### BACK VIEW

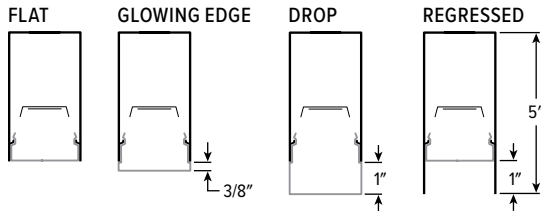


#### ROW ALIGNMENT SYSTEM

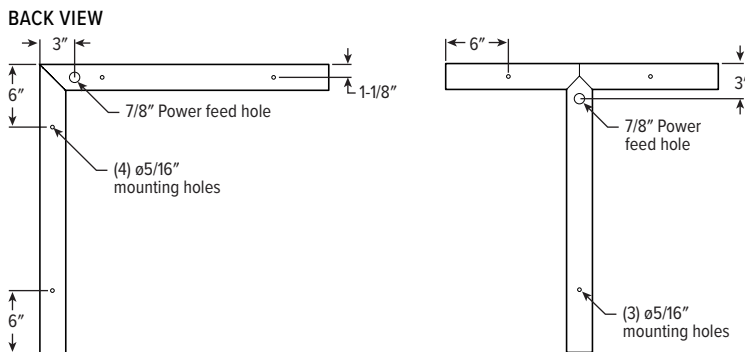


Installer friendly row aligners ensure seamless joining between fixtures while factory installed pull plate locks extrusions in place without disassembly of fixture internals.

### SHIELDING DETAILS

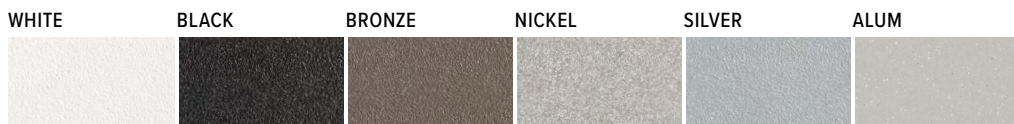


### CORNER DETAILS



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

### 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.

