MX4W tunable WHITE
4" Continuous – Wall

Williams®

CATALOG #: _____

4-1/8"

4-1/8"   1/2"

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT

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
- Fixture attaches to wall bracket for simple installation
- High-performance up to 126 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
- 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** – Wall mount. Powder coated, die-formed C.R.S. receiving bracket mounted to fixture which attaches to galvanized, wall mounted bracket.
- **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
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: MX4W - 12'00 - L8/8TW - F - OPTIONS - CONTROL/DALI - UNV

SERIES	ILLUMINATED LENGTH [1]	LUMENS [2]	COLOR	SHIELDING
MX4W [3]	Lengths specified in feet and inches using 4" increments, 2' minimum. Example: **12'00** = 12'-0"	**L8** 800lm	**8TW** Tunable white (80 CRI, 3000K-5000K)	**F** Flat, diffuse acrylic **P** Proud, diffuse acrylic with 5/16" drop [4]

PRODUCT BUILDER
Simplify ordering & layout design with the Williams Linear Product Builder at hew.com/product-builder

OPTIONS [5]

See page 3 for FINISH OPTIONS.

EM/10W	10-watt emergency battery [7]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
ASY	Asymmetric distribution [8]
(L__)	Additional lower lumen packages available [9] Example: 600 lumens = MX4W-12'00-L8/8TW-**(L6)**

CONTROL [6]

See page 4 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only [10]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [11]

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). [12]
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

120 120V
277 277V
UNV 120-277V

NOTES

1. Endcaps add 7/8" to overall specified length.
2. 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.
3. Up or down orientation is determined during installation.
4. See page 3 for CROSS SECTIONS.
5. 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.
6. Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
7. Not available with fixtures less than 4'.
8. Available with F shielding only. Creates uneven lens illumination. See page 3 for CROSS SECTIONS.
9. (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
10. DSR and LD2 Drivers only.
11. DSR and LD2 Drivers only.
12. Lutron Athena Controls only.

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MX4W tunable WHITE
4" Continuous – Wall

FIXTURE PERFORMANCE DATA

DOWN (PER FOOT)			UP (PER FOOT)		
DELIVERED LUMENS	**WATTAGE**	**EFFICACY (lm/W)**	**DELIVERED LUMENS**	**WATTAGE**	**EFFICACY (lm/W)**
821	6.7	123	846	6.7	126

- 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.
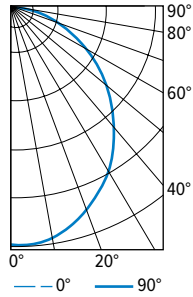
MULTIPLIER TABLES

CONVERSION FACTOR		
CCT	**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
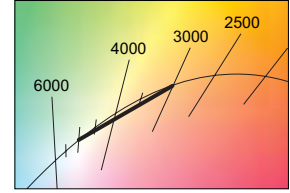
PHOTOMETRY

MX4WD-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	

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

MX4WU-4'00-L8/8TW-F-DALI Total Luminaire Output: 3384 lumens; 26.8 Watts | Efficacy: 126 lm/W | 80 CRI; 4000K CCT
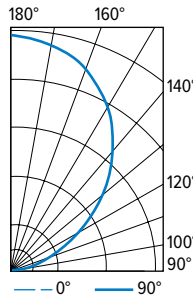
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	**45°**	**90°**	
90	0	0	0	
95	20	19	17	28
105	160	122	102	137
115	380	284	240	297
125	640	513	428	474
135	927	813	683	620
145	1182	1105	1000	677
155	1381	1307	1253	600
165	1489	1447	1411	407
175	1548	1511	1492	144
180	1531	1531	1531	

ZONE	LUMENS	% FIXTURE
90 - 120	462	14
90 - 130	936	28
90 - 150	2233	66
90 - 180	3384	100
0 - 180	3384	100

MX4WD-4'00-L8/8TW-F-ASY Total Luminaire Output: 3089 lumens; 26.8 Watts | Efficacy: 115 lm/W | 80 CRI; 4000K CCT
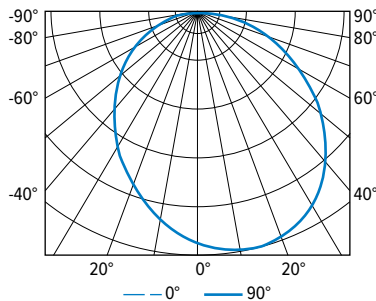
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	**45°**	**90°**	**135°**	**190°**	
0	1114	1114	1114	1114	1114	
5	1110	1135	1148	1135	1110	105
15	1064	1145	1179	1145	1064	300
25	977	1097	1147	1097	977	452
35	851	989	1046	989	851	537
45	702	839	891	839	702	547
55	541	661	705	661	541	490
65	371	465	499	465	371	374
75	196	266	290	266	196	219
85	48	83	96	83	48	65
90	2	12	18	12	2	

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

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MX4W
tunable WHITE
4" Continuous – Wall

CROSS SECTIONS

DOWN

4-1/8"
4-1/8"
1/2"

UP

ASY OPTION DETAILS

Down

Up

SHIELDING DETAILS

Flat

Proud

5/16"
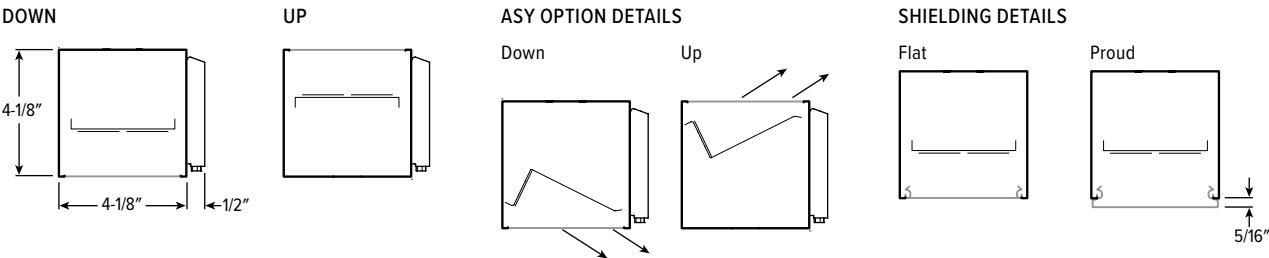
FIXTURE DETAILS

See hew.com/power-entry for power entry details.

BACK VIEW

1-3/8" Typ.
ø7/32" Mounting holes
2-5/16"
7/16" Endcap
(2) ø7/8" holes
6"
7/8" To J-box center
Illuminated length
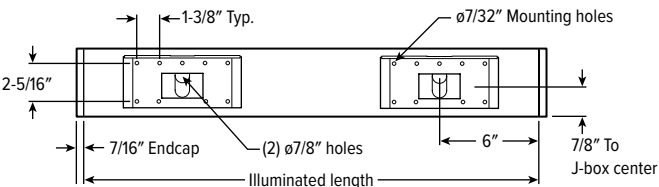
Standalone and feeder fixtures receive two mounting brackets. Joiner fixtures connect to feeder fixtures and receive one mounting bracket.

MOUNTING

(2) Brackets (included) secure to wall, (1) installs over J-box. J-box cover painted white.

MX4W
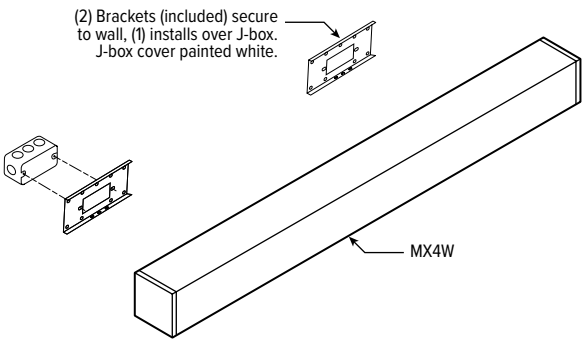
REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS
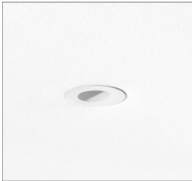
Regressed test switch
ø1-3/4"

EM/10WRM

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

Max remote distance is 50', connection by others.

Regressed test switch

Standard test switch

Large remote box 9" x 24" x 2"

Hex box (By others)

Power to fixture

FINISH OPTIONS

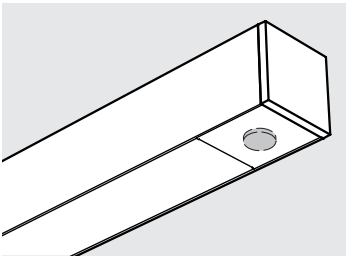| WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM
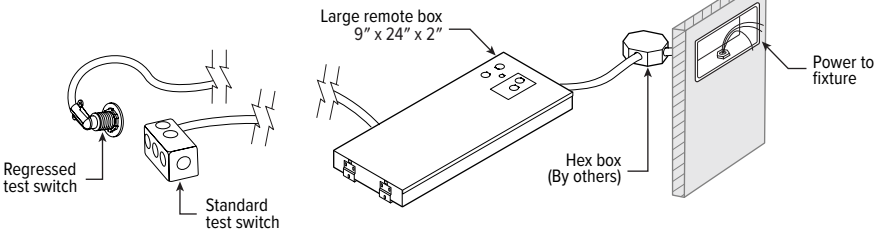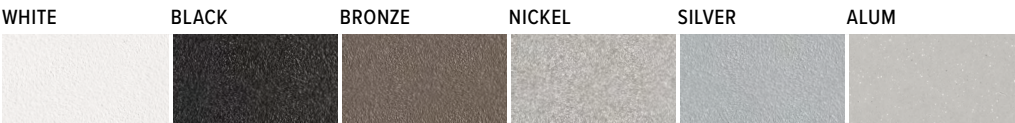
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

SENSOR & NODE PLACEMENT DETAILS

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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

※LUTRON

SENSOR COVERAGE PATTERNS

9' height: ø12' coverage
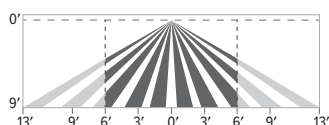
Motion Sensor Coverage

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.

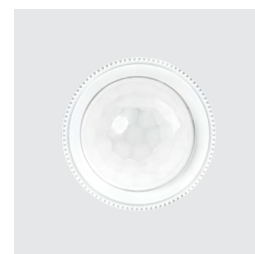### OCCWS-FS-305-L6-PP-120/277 Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V

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
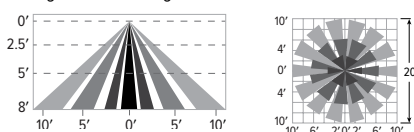
8' height: ø20' coverage
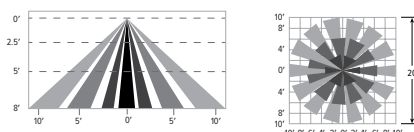
SENSOR DETAIL

Dimensions: ø1-5/16"

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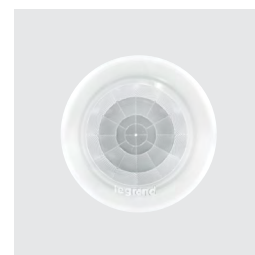
SPECIFICATIONS

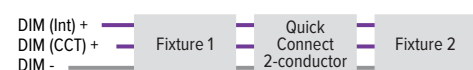|	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
LENS	Up to 300 sq/ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

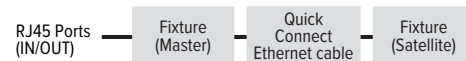### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage

SENSOR DETAIL

Dimensions: ø1-5/16"

DRIVER DETAILS

DIM

DMX

DALI

LD2

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