MX4WUD tunable WHITE
4" Continuous Up/Down – Wall

Williams

CATALOG #: _____

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 124 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

Dimensions
5-1/2"
4-1/8"
1/2"

ORDERING EXAMPLE: MX4WUD - 12'00 - L8/8TWU/L8/8TWD - A/F - OPTIONS - CONTROL/DALI - UNV

SERIES	ILLUMINATED LENGTH [1]
MX4WUD	Lengths specified in feet and inches using 4" increments, 2' minimum. Example: **12'00** = 12'-0"

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

LUMEN PACKAGE (EXAMPLE: L8/8TWU/L8/8TWD)
Specify lumen packages: U for Uplight and D for Downlight

LUMENS [2]	COLOR	U or D
L8 800lm	**8TW** Tunable white (80 CRI, 3000K-5000K)	**U** Uplight **D** Downlight

SHIELDING UP
A Flat, semi-diffuse acrylic
F Flat, diffuse acrylic [4]

SHIELDING DOWN
F Flat, diffuse acrylic
P Proud, diffuse acrylic with 5/16" drop [5]

OPTIONS [3]
See page 4 for FINISH OPTIONS.

EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
ASYD	Downlight asymmetric distribution [6]
ASYU	Uplight asymmetric distribution [7]
ASYUD	Up and down light asymmetric distribution [8]
(L__)	Additional lower lumen packages available [9] Example: 600 lumens = MX4WUD-12'00-L8/8TWU/L8/8TWD-**(L6U/L6D)**

CONTROL [10]
See page 4 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only [11]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [12]

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). [13]
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 lumens may vary ±5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
[3] 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.
[4] Recommended for use in applications where the fixture will be viewed from above. Decreases lumen output.
[5] See page 3 for CROSS SECTIONS.
[6] Available with A and F shielding only. Creates uneven lens illumination. See page 3 for CROSS SECTIONS.
[7] Available with A and F shielding only. Creates uneven lens illumination. See page 3 for CROSS SECTIONS.
[8] Available with A and F shielding only. Creates uneven lens illumination. See page 3 for CROSS SECTIONS.
[9] (L4U/L4D) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
[10] Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
[11] DSR and LD2 Drivers only.
[12] DSR and LD2 Drivers only.
[13] Lutron Athena Controls only.

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tunable WHITE
4" Continuous Up/Down – Wall

FIXTURE PERFORMANCE DATA

| PER FOOT		
DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1667	13.4	124

- 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.
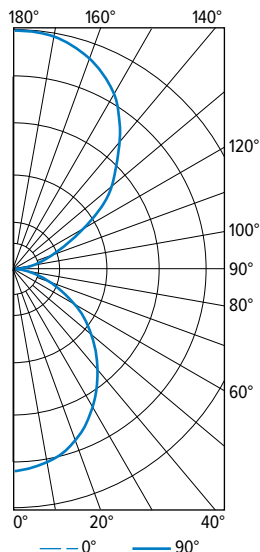
MULTIPLIER TABLES

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)
1.02	0.98
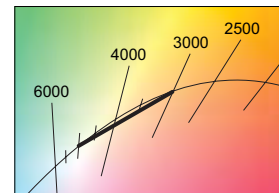
PHOTOMETRY

**MX4WUD-4'00-L8/8TWU/L8/8TWD-A/F-DALI** Total Luminaire Output: 6668 lumens; 53.7 Watts | Efficacy: 124 lm/W | 80 CRI; 4000K CCT

CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1144	1144	1144	1144	1144	
5	1164	1152	1124	1122	1134	108
15	1112	1102	1080	1064	1070	306
25	1016	1008	975	965	965	453
35	871	865	839	821	813	526
45	702	700	676	660	628	520
55	528	516	492	484	478	445
65	335	327	315	309	309	315
75	159	151	143	147	140	159
85	28	24	18	22	24	35
90	6	6	12	6	6	
95	58	68	70	62	56	71
105	199	215	217	195	171	220
115	397	422	442	391	357	407
125	648	670	690	632	590	588
135	929	939	941	897	853	705
145	1138	1142	1150	1098	1074	704
155	1289	1293	1299	1258	1234	589
165	1367	1371	1385	1347	1331	385
175	1383	1389	1415	1377	1357	132
180	1385	1385	1385	1385	1385	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	866	13
0 - 40	1392	21
0 - 60	2358	35
0 - 90	2867	43
90 - 120	698	11
90 - 130	1286	19
90 - 150	2695	40
90 - 180	3801	57
0 - 180	6668	100

MX4WUD-4'00-L8/8TWU/L8/8TWD-ASYUD-DIM-UNV Total Luminaire Output: 6668 lumens; 53.6 Watts | Efficacy: 124 lm/W | 80 CRI; 4000K CCT
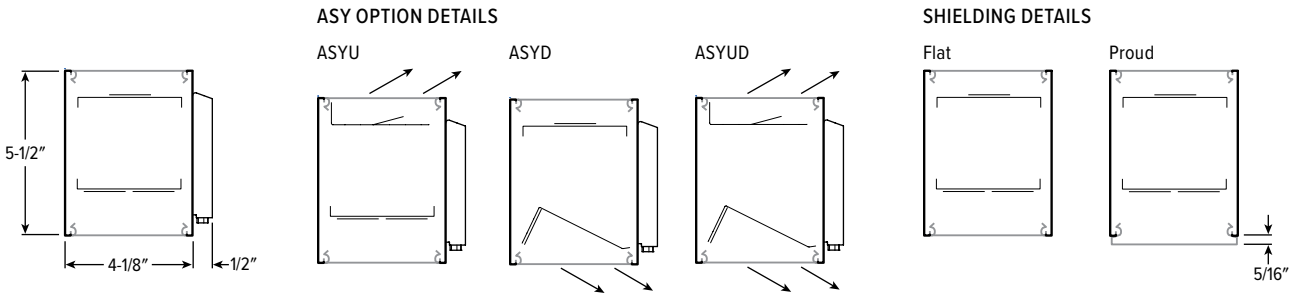

CANDLEPOWER DISTRIBUTION
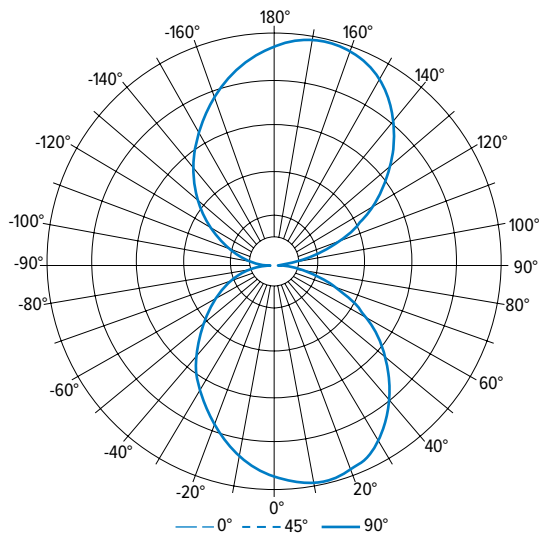
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1182	1182	1182	1182	1182	
5	1179	1205	1218	1205	1179	112
15	1129	1215	1252	1215	1129	319
25	1037	1165	1218	1165	1037	480
35	904	1050	1111	1050	904	570
45	745	891	945	891	745	581
55	575	702	749	702	575	520
65	394	494	530	494	394	397
75	209	282	308	282	209	233
85	51	88	102	88	51	70
90	5	26	40	26	5	
95	53	91	106	91	53	72
105	215	291	318	291	215	240
115	407	510	547	510	407	410
125	593	724	773	724	593	537
135	769	920	976	920	769	599
145	933	1084	1147	1084	933	588
155	1071	1202	1257	1202	1071	495
165	1166	1255	1293	1255	1166	329
175	1217	1244	1258	1244	1217	115
180	1220	1220	1220	1220	1220	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	910	14
0 - 40	1480	22
0 - 60	2581	39
0 - 90	3281	49
90 - 120	723	11
90 - 130	1260	19
90 - 150	2447	37
90 - 180	3387	51
0 - 180	6668	100

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MX4WUD tunable WHITE
4" Continuous Up/Down – Wall

CROSS SECTIONS

ASY OPTION DETAILS

ASYU   ASYD   ASYUD

5-1/2"

4-1/8"   1/2"

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

2-3/4"

7/16" Endcap   (2) ø7/8" Holes   6"   2-3/4" to J-box Center

Illuminated length
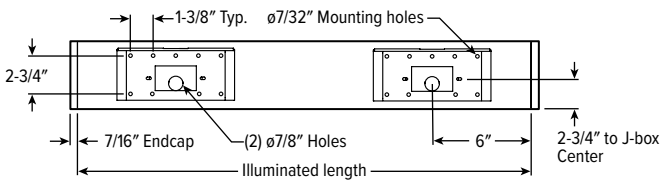
Standalone and feeder fixtures receive two mounting brackets. Joiner fixtures connect to feeder fixtures and receive one mounting bracket.

MOUNTING

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

J-box (not provided) mounted horizontally

MX4WUD
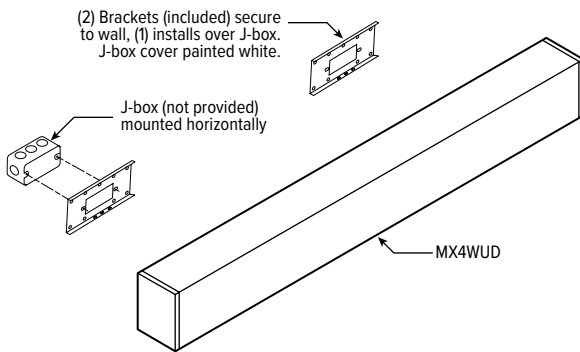
REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

Regressed test switch ø1-3/4"

EM/10WRM

Standard test switch 2-3/4" x 4-1/2"
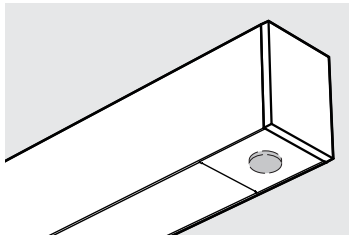
Max remote distance is 50', connection by others.

Large remote box 9" x 24" x 2"

Regressed test switch

Standard test switch

Hex box (By others)

Power to fixture

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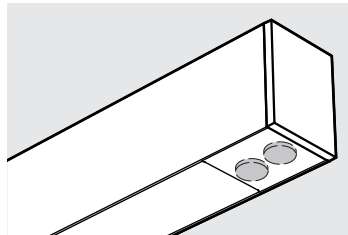
WHITE   BLACK   BRONZE   NICKEL   SILVER   ALUM
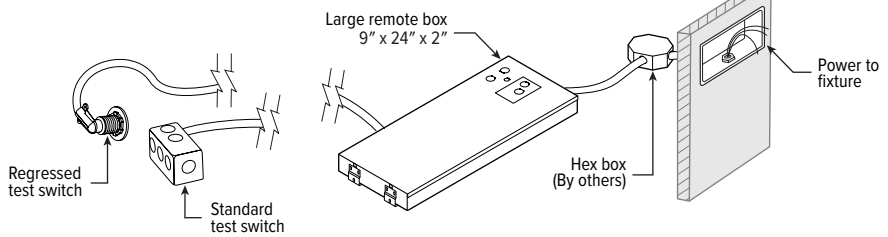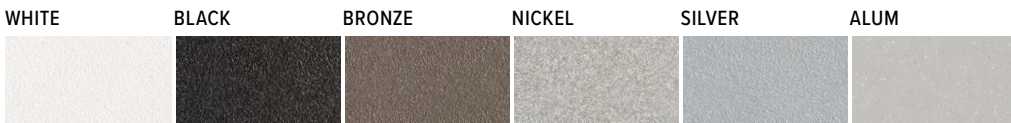
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

SENSOR & NODE PLACEMENT DETAILS

WS-FS | WS-LMFS

AWNR | AWNS

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MX4WUD

tunable WHITE
4" Continuous Up/Down – Wall

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
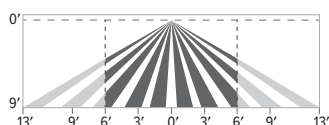
Motion Sensor Coverage

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

SENSOR DETAIL

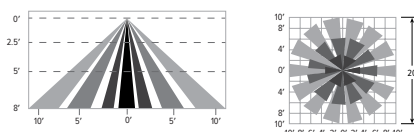Dimensions: ø1-1/8"

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
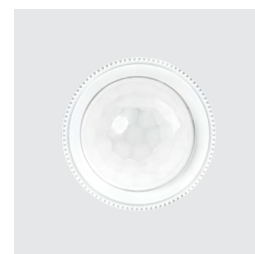
SPECIFICATIONS

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
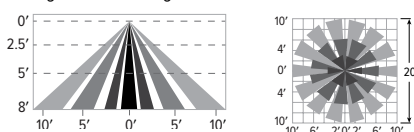
8' height: ø20' coverage

SENSOR DETAIL

Dimensions: ø1-5/16"

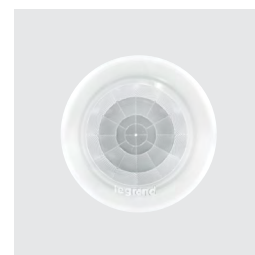### OCCWS-LMFS-601-PP-120/277 Wattstopper PIR motion and daylight sensor with power pack, 120/277V

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)

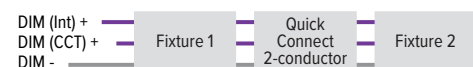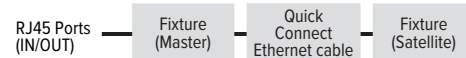#### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage

SENSOR DETAIL

Dimensions: ø1-5/16"

DRIVER DETAILS

DIM

DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1 — Quick Connect 2-conductor — Fixture 2

DMX

RJ45 Ports (IN/OUT) — Fixture (Master) — Quick Connect Ethernet cable — Fixture (Satellite)

DALI

DALI +
DALI -
Fixture 1 — Quick Connect 2-conductor — Fixture 2

LD2

DA +
DA -
Fixture 1 — Quick Connect 2-conductor — Fixture 2

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