





### **FEATURES**

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Create elegant spaces with a seamless, continuous row of illumination in an ADA Compliant design
- Specify in one inch increments to create a perfect fit
- Flat, glowing edge, drop and regressed lenses give designers a variety of looks
- Asymmetric optic directs light for targeted illumination
- High-performance up to 125 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Wall bracket design evenly spaces fixtures automatically
- Factory installed row alignment system creates straight rows with ease
- Versatile MX2 system includes recessed, surface, suspended and in-wall mounting, see hew.com
- 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 diecast end plates.
- SHIELDING Extruded diffuse acrylic lens.
- FINISH Textured matte white polyester TGIC powder coat bonded to phosphatefree, 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 wall mounted bracket.
- LISTINGS
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - ADA Compliant
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buv-american
- WARRANTY 5-year limited warranty, see hew.com/warranty

#### ILLUMINATED LENGTH [1] **SERIES**

MX2WUD Lengths specified in feet and inches using 1" 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

ORDERING EXAMPLE: MX2WUD - 12'00 - L8/8TWU/L8/8TWD - F/F - OPTIONS - CONTROL/DALI - UNV

**L8** 800lm

8TW Tunable white (80

**U** Uplight CRI, 3000K-5000K)

D Downlight

U or D

#### SHIELDING UP

F Flat

FA Flat with asymmetric optic

Glowing edge lens, 3/8"

### SHIELDING DOWN

- F Flat
- FA Flat with asymmetric optic
  - Glowing edge lens, 3/8"
  - Drop lens, 1"
  - Regressed lens, 1" [4]

### OPTIONS [3]

See page 2 for FINISH OPTIONS.

EM/10WLP Low-profile 10-watt emergency battery [5] EM/10WRM Remote mount 10-watt emergency battery EM/10WRM/RTS Remote mount 10-watt emergency battery with

regressed test switch

(L ) Additional lower lumen packages available [6]

Example: 600 lumens: MX2WUD-12'00-L8/8TWU/L8/8TWD-(L6U/L6D)

**VOLTAGE** 

120 120V

**277** 277V

**UNV** 120-277V

# CONTROL [7]

See page 4 for ADDITIONAL CONTROL OPTIONS.

None

AWNR Lutron Athena wireless node integral fixture control, RF only [8]

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [9]

# 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

Sensor-ready driver without external dimming wires (D4i DALI-2). [10]

LD2 Lutron DALI-2 digital driver, 1%

#### NOTES

- Endcaps add 1/4" to overall specified length.
- 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.
- 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.
- Increases fixture height. See page 3 for SHIELDING
- Not available with fixtures less than 4'.
- (L4U/L4D) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Sensors not available in fixtures less than 48". Sensor recommended for use in downlight orientation only. 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.
- 10 Lutron Athena Controls only



# FIXTURE PERFORMANCE DATA

PER FOOT (1600 LUMENS PER FOOT MAXIMUM)		
TOTAL DELIVERED LUMENS	TOTAL WATTAGE	EFFICACY (Im/W)
1650	13.1	126

- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding for Up and Down compartments, 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.

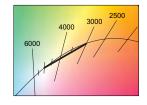
  To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.

  Use multiplier tables to calculate additional options.

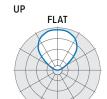
### **MULTIPLIER TABLES**

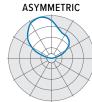
	CONVERSION FACTOR	
CCT	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

SHIELDING		
LENS	CONVERSION FACTOR	
F	1.00	
FA (Up)	0.96	
FA (Down)	0.82	
G	0.98	
D	1.05	
R	0.91	

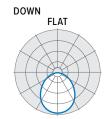


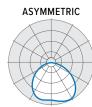
# **PHOTOMETRY**

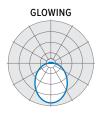


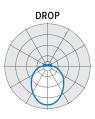


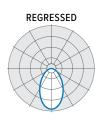




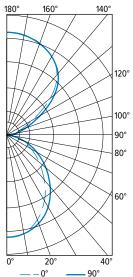








MX2WUD-4'00-L8/8TWU/L8/8TWD-F/F-DALI Total Luminaire Output: 6600 lumens; 52.4 Watts | Efficacy: 126 lm/W | 80 CRI; 4000K CCT



	VERTICAL	HOF	HORIZONTAL ANGLE		
	ANGLE	0°	45°	90°	LUMENS
	0	1409	1409	1409	
	5	1398	1399	1403	133
	15	1329	1320	1296	371
	25	1194	1155	1107	532
	35	993	935	879	586
<u>S</u>	45	764	700	641	543
Ĕ	55	544	495	449	446
CANDLEPOWER DISTRIBUTION	65	349	315	285	315
S	75	174	161	149	173
2	85	41	46	47	51
M	90	3	5	4	
Œ,	95	46	32	26	39
ᅙ	105	153	117	102	132
S	115	318	269	223	272
	125	609	560	489	496
	135	928	896	870	688
	145	1141	1134	1131	709
	155	1278	1281	1274	590
	165	1368	1373	1375	388
	175	1418	1413	1423	135
	180	1423	1423	1423	

	ZONE	LUMENS	% FIXTURE
	0 - 30	1036	16
UMEN SUMMARY	0 - 40	1622	25
Σ	0 - 60	2611	40
S	0 - 90	3150	48
핕	90 - 120	444	7
⋛	90 - 130	940	14
	90 - 150	2338	35
	90 - 180	3450	52
	0 - 180	6600	100

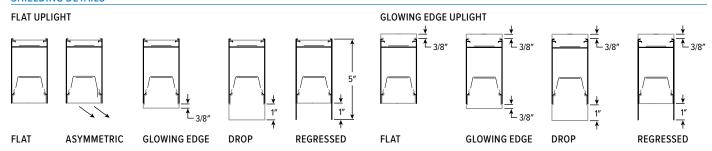
### **FINISH OPTIONS**

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.

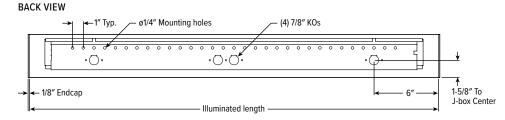


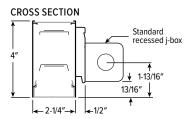
# **SHIELDING DETAILS**

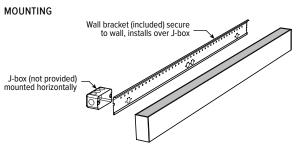


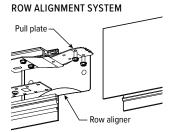
### **FIXTURE DETAILS**

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









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

# REMOTE MOUNT BATTERY DETAILS





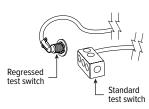
Regressed test switch ø1-3/4"

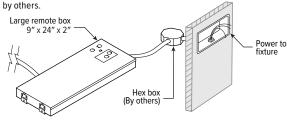
EM/10WRM



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

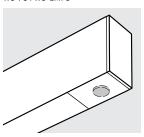
Max remote distance is  $50^{\prime}$ , connection by others.

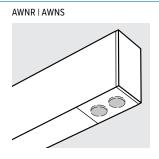




# **SENSOR & NODE PLACEMENT DETAILS**









# ADDITIONAL CONTROL OPTIONS

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

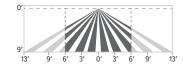
AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

#### **SPECIFICATIONS TYPE** Radio Frequency MOUNTING HEIGHT 8' - 12' **DETECTION ANGLE** 360° **TEMPERATURE** 0° to 55°C **RELATIVE HUMIDITY** 0 to 90%, non-condensing $\begin{array}{l} \hbox{Clear Connect gateway} - \hbox{Type X} \\ \hbox{with app (iOS or Android)} \end{array}$ COMMISSIONING **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



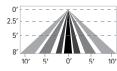
Dimensions: ø1-5/16"

# 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**

