MX2 tunable WHITE
2″ Continuous – Suspended

Williams

4″
2-1/4″
MX2D   MX2U

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
- Specify in one inch increments to create a perfect fit
- Flat, glowing edge, drop and regressed lenses give designers a variety of looks
- Widespread optic allows for increased luminaire spacing while enhancing ceiling uniformity
- Asymmetric optic directs light for targeted illumination
- Moveable mounting hardware easily slides along the length of the fixture providing variable mounting points for continuous rows
- High-performance up to 132 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Factory installed row alignment system creates straight rows with ease
- Versatile MX2 system includes recessed, surface, suspended and in-wall mounting, see hew.com
- Corner configurations available, see Product Builder at hew.com/product-builder
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- **HOUSING** – Extruded aluminum with die-cast end plates.
- **SHIELDING** – Extruded 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** – Suspended. 1/16″ diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid and hardpan ceiling applications provided.
- **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: MX2D - 12′00 - L8/8TW - F - AC/D48 - OPTIONS - CONTROL/DALI - UNV

SERIES
MX2D Down
MX2U Up

ILLUMINATED LENGTH [1]
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 [2]

LUMENS [3]
L8 800lm

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

SHIELDING
F   Flat
FW   Flat with widespread, batwing optic
FA   Flat with asymmetric optic
G   Glowing edge lens, 3/8″ [5]
D   Drop lens, 1″ [6]
R   Regressed lens, 1″ [7]

MOUNTING (EXAMPLE: AC/D48) [4]

Prefix	Type		Length	
AC/	D	1″ grid & hardpan	24	24″
	N	9/16″ grid	48	48″
	S	Slot grid	96	96″
MSF_	Microstem, 1/4″ IPS, specify length in inches [8]			

OPTIONS [9]
See page 4 for FINISH OPTIONS.

EM/10WLP   Low-profile 10-watt emergency battery [11]
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 [12] Example: 600 lumens = MX2D-12′00-L8/8TW-(L6)

CONTROL [10]
See page 5 for ADDITIONAL CONTROL OPTIONS.

–   None
AWNR   Lutron Athena wireless node integral fixture control, RF only [13]
AWNS   Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [14]

DRIVER
See page 5 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). [15]
LD2   Lutron DALI-2 digital driver, 1%

VOLTAGE
120 120V
277 277V
UNV 120-277V

NOTES

1. Endcaps add 1/4″ to overall specified length.
2. See page 4 for CORNER DETAILS.
3. 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.
4. See page 3 for MOUNTING DETAILS.
5. Not available with corner configurations.
6. MX2D only. Not available with corner configurations.
7. Not available with corner configurations. Increases fixture height. See page 2 for SHIELDING DETAILS.
8. Power cord does not run through microstem.
9. Remote EM batteries: max remote distance 50′, including suspension length. 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.
10. Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory. See page 4 for SENSOR & NODE PLACEMENT DETAILS.
11. Not available with fixtures less than 4′.
12. (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
13. DSR and LD2 Drivers only.
14. DSR and LD2 Drivers only.
15. Lutron Athena Controls only.

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Continuous
Page 1 of 5

MX2 tunable WHITE
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FIXTURE PERFORMANCE DATA

DOWN (PER FOOT)			
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L8	785	6.6	119

UP (PER FOOT)			
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L8	865	6.6	131

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
FW	0.92
FA (MX2U)	0.96
FA (MX2D)	0.82
G	0.98
D	1.05
R	0.91
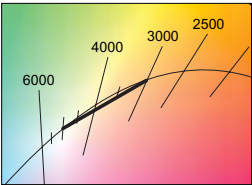
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.
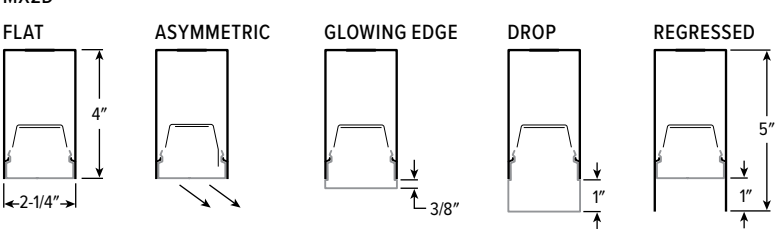
PHOTOMETRY

MX2D

FLAT   WIDESPREAD   ASYMMETRIC   GLOWING   DROP   REGRESSED

MX2U

FLAT   WIDESPREAD   ASYMMETRIC   GLOWING
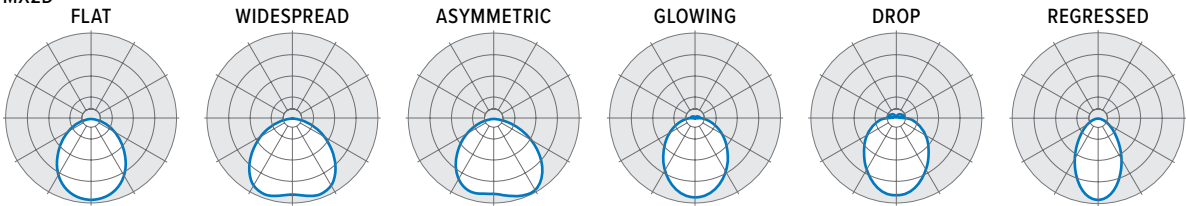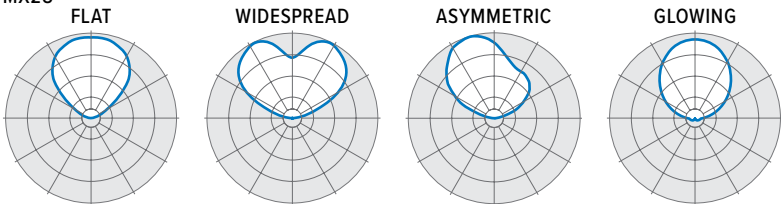
MX2D-4'00-L8/8TW-F-DALI Total Luminaire Output: 3140 lumens; 26.4 Watts | Efficacy: 118.9 lm/W | 80 CRI; 4000K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1389	1389	1389	
5	1378	1378	1377	131
15	1314	1302	1280	367
25	1185	1144	1097	527
35	987	928	874	582
45	763	698	640	542
55	546	496	449	447
65	354	318	288	318
75	179	164	152	176
85	43	47	48	52
90	1	4	5	

ZONE	LUMENS	% FIXTURE
0 - 30	1024	33
0 - 40	1066	51
0 - 60	2595	83
0 - 90	3140	100
0 - 180	3140	100

SHIELDING DETAILS

MX2D

FLAT   ASYMMETRIC   GLOWING EDGE   DROP   REGRESSED

MX2U

FLAT   ASYMMETRIC   GLOWING EDGE

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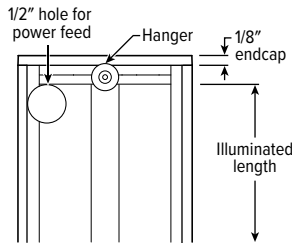REV.02/10/25.JL
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Page 2 of 5
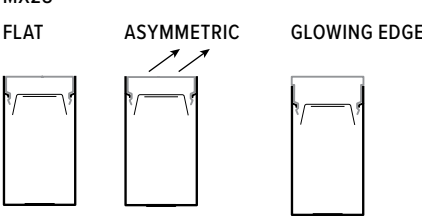
MX2 tunable WHITE
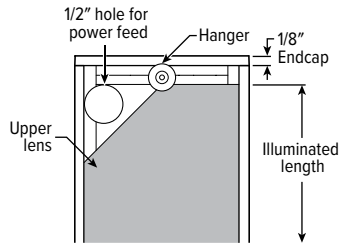## 2″ Continuous – Suspended

FIXTURE DETAILS

Stand-alone fixtures up to 12′ in length will require two suspension cables. See hew.com/power-entry for power entry details.
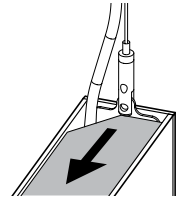
MX2D BACK VIEW

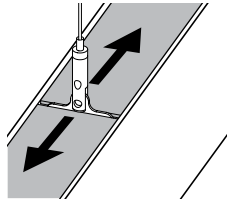1/2″ hole for power feed
Hanger
1/8″ endcap
Illuminated length

MX2U BACK VIEW

1/2″ hole for power feed
Hanger
1/8″ Endcap
Upper lens
Illuminated length

MOUNTING DETAILS

AIRCRAFT CABLE

Field-adjustable standalone hanger.

Joiner hanger slides to any position along extrusion. Lens may be cut to fit hanger.

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)
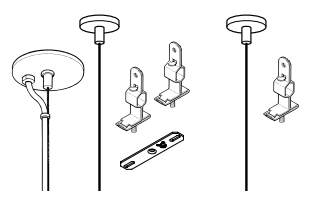
Power End or Stand-Alone

Row Mount Support

Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.

- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.

- The feeder kits are standard with a 5″ canopy to cover the junction box and a 2″ canopy at the non-feed point. No J-box is required at non-feed points.
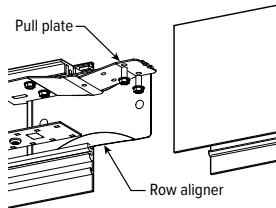
AIRCRAFT CABLE

MICROSTEM

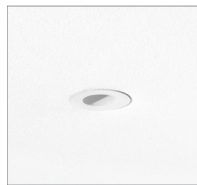Power cord does not run through microstem.

ROW ALIGNMENT SYSTEM

Pull plate
Row aligner

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

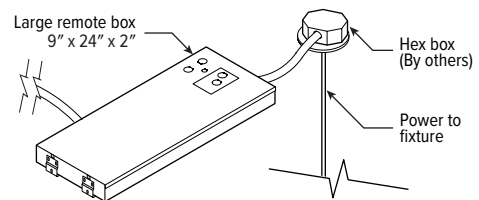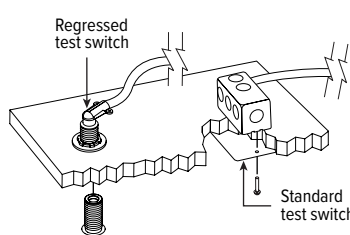## REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

Regressed test switch ø1-3/4″

EM/10WRM

Standard test switch 2-3/4″ x 4-1/2″

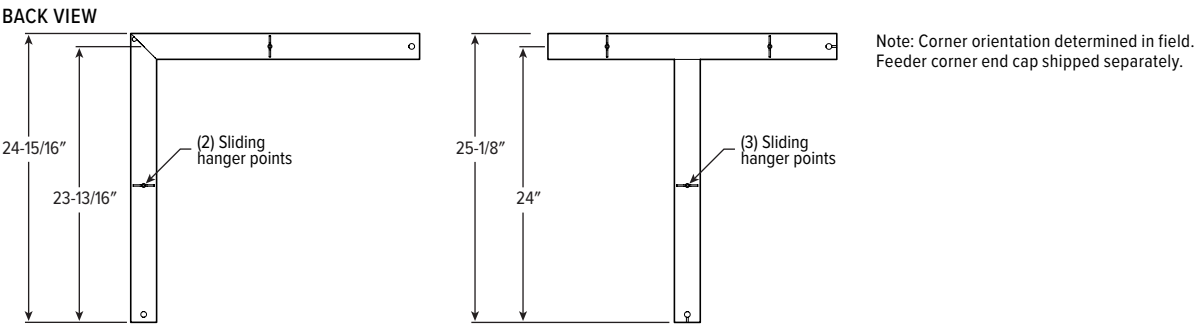Max remote distance is 50′ including suspension length, connection by others.

Regressed test switch

Standard test switch

Large remote box 9″ x 24″ x 2″

Hex box (By others)

Power to fixture

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Continuous
Page 3 of 5

CORNER DETAILS

BACK VIEW

24-15/16″

23-13/16″

(2) Sliding hanger points

25-1/8″

24″

(3) Sliding hanger points

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

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
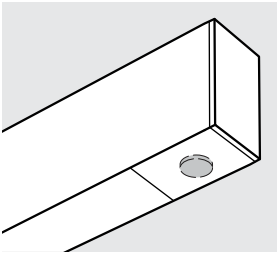
SEE NEXT PAGE FOR CONTROL DETAILS.

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 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
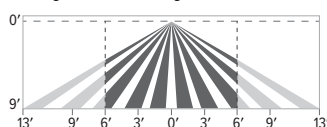
Motion Sensor Coverage

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

SENSOR DETAIL

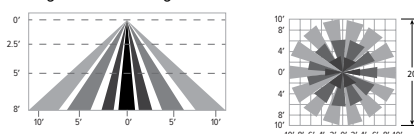Dimensions: ø1-1/8″

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
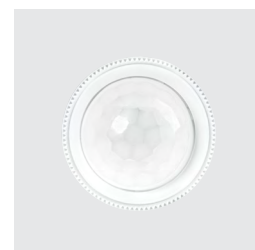
SPECIFICATIONS

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

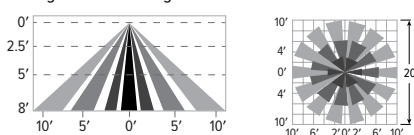

Dimensions: ø1-5/16″

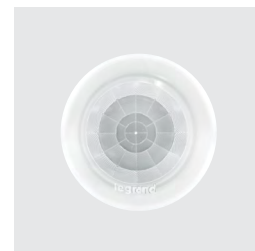**OCCWS-LMFS-601-PP-120/277** Wattstopper PIR motion and daylight sensor with power pack, 120/277V

SPECIFICATIONS

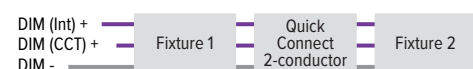|	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8′ – 12′
LENS	Up to 300 sq/ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS

8′ height: ø20′ coverage

SENSOR DETAIL

Dimensions: ø1-5/16″

DRIVER DETAILS

DIM

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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Continuous
Page 5 of 5