MX2 tunable WHITE
2″ Continuous – Suspended

Williams

4″

2-1/4″

Down   Up

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

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
- 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
- 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 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.
- 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.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- 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

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 [1]

LUMENS [2]

L8 800lm

COLOR

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

SHIELDING

F Flat, diffuse acrylic
FW Flat, diffuse acrylic with widespread optic
FA Flat, diffuse acrylic with asymmetric optic [4]
G Diffuse acrylic with glowing edge [5]
D Diffuse acrylic with 1″ drop [6]
R Regressed diffuse acrylic, 1″ [7]

MOUNTING (EXAMPLE: AC/D48) [3]

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

See page 2 for FINISH OPTIONS.

EM/10WLP Low-profile 10-watt emergency battery [10]
EM/10WRM Remote mount 10-watt emergency battery [11]
(L__) Additional lower lumen packages available [12]
Example: 600 lumens = MX2D-12′00-L8/8TW-**(L6)**

CONTROL

– None

See page 4 for Additional Control Options. [13]

DRIVER [9]

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
PSQ Lutron T-Series 2-channel tunable white 1%

VOLTAGE

120 120V
277 277V
UNV 120-277V

NOTES

1. See page 3 for CORNER DETAILS.
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. See page 3 for MOUNTING DETAILS.
4. MX2U only.
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 3 for SHIELDING DETAILS.
8. Power cord does not run through microstem.
9. See page 4 for DRIVER DETAILS.
10. Not available with fixtures less than 4′.
11. See page 3 for MOUNTING DETAILS.
12. (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
13. See page 4 for SENSOR PLACEMENT DETAILS.

H.E. Williams, Inc. ■ Carthage, Missouri ■ www.hew.com ■ 417-358-4065 ■ Designed and Manufactured in the USA
Information contained herein is subject to change without notice.   REV.01/04/24.JL

Continuous
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2″ Continuous – Suspended

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
D	1.05
F	1.00
G	0.98
FA	0.96
FW	0.92
R	0.91
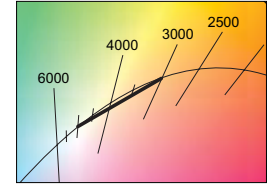
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

MX2D-4′00-L8/8TW-F-DALI Total Luminaire Output: 3140 lumens; 26.4 Watts | Efficacy: 118.9 lm/W | 80 CRI; 4000K CCT
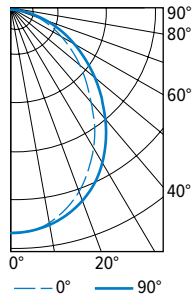
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1389	1389	1389	
5	1378	1378	1377	131
15	1314	1302	1280	367
25	1185	1144	1097	527
35	987	928	874	582
45	763	698	640	542
55	546	496	449	447
65	354	318	288	318
75	179	164	152	176
85	43	47	48	52
90	1	4	5	

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

MX2U-4′00-L8/8TW-F-DALI Total Luminaire Output: 3460 lumens; 26.4 Watts | Efficacy: 131.1 lm/W | 80 CRI; 4000K CCT
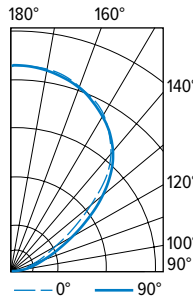
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
90	6	7	8	
95	51	30	26	39
105	157	122	106	137
115	322	275	234	278
125	602	572	477	496
135	917	906	863	688
145	1137	1140	1129	709
155	1275	1280	1293	591
165	1367	1370	1381	387
175	1409	1401	1410	134
180	1407	1407	1407	

| ZONE	LUMENS	% FIXTURE
90 - 120	455	13
90 - 130	951	28
90 - 150	2348	68
90 - 180	3460	100
0 - 180	3460	100

MX2U-4′00-L8/8TW-FA-DALI Total Luminaire Output: 3311 lumens; 26.4 Watts | Efficacy: 125 lm/W | 80 CRI; 4000K CCT
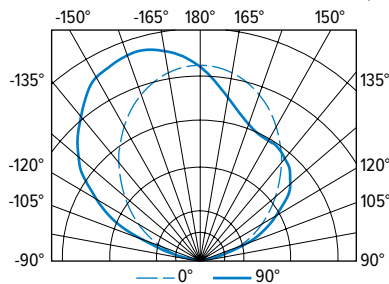
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0º	45º	90º	135º	180º	
90	2	3	1	3	2	
95	36	29	20	29	36	46
105	173	202	166	202	173	222
115	332	399	409	399	332	432
125	489	576	605	576	489	569
135	649	688	734	688	649	610
145	808	751	790	751	808	569
155	954	800	803	800	954	457
165	1061	914	880	914	1061	300
175	1121	1055	1033	1055	1121	106
180	1121	1121	1121	1121	1121	

ZONE	LUMENS	% FIXTURE
90 - 120	700	21
90 - 130	1269	38
90 - 150	2448	74
90 - 180	3310	100
0 - 180	3311	100

FINISH OPTIONS

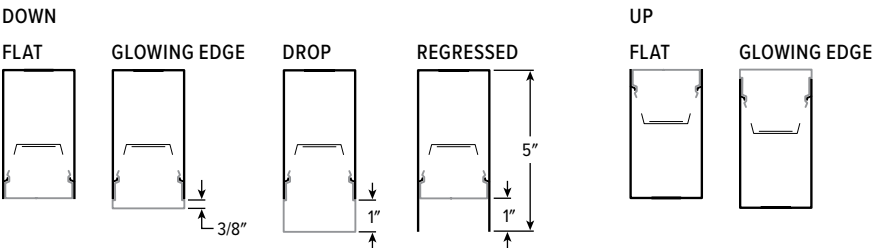| WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM
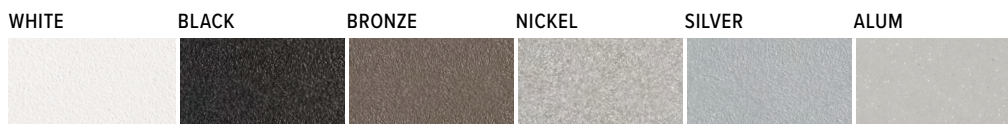
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

SHIELDING DETAILS

DOWN

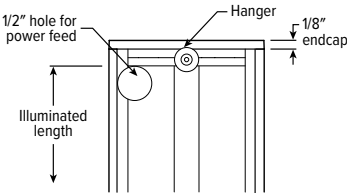FLAT GLOWING EDGE DROP REGRESSED
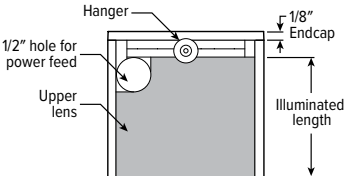
5″

3/8″ 1″ 1″

UP

FLAT GLOWING EDGE

FIXTURE DETAILS

Stand-alone fixtures up to 12′ in length will require two suspension cables.

MX2D BACK VIEW

1/2″ hole for power feed

Hanger

1/8″ endcap

Illuminated length

MX2U BACK VIEW

Hanger

1/2″ hole for power feed

Upper lens

1/8″ Endcap

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

Power End/Stand-Alone

Row Mount Support
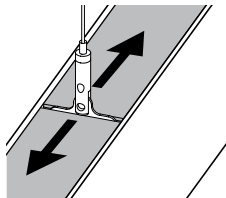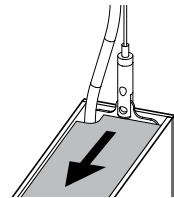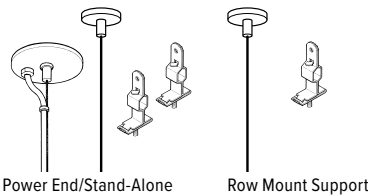
Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder (or stand-alone) fixture, either as part of a row or as an individual mount unit. Power feed locations are at end of fixture.
- One 5″ canopy included for each feeder fixture. One 2″ canopy included for each additional fixture required in a row.
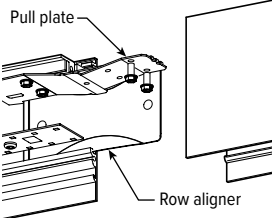
AIRCRAFT CABLE

MICROSTEM

ROW ALIGNMENT SYSTEM

Pull plate
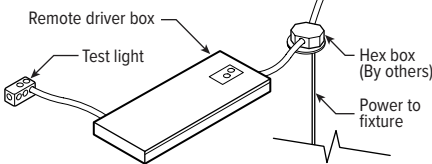
Row aligner

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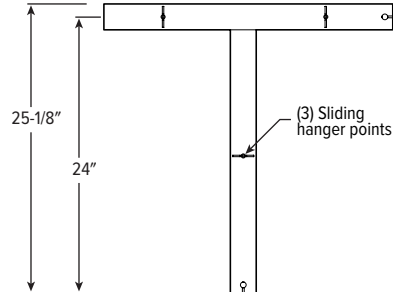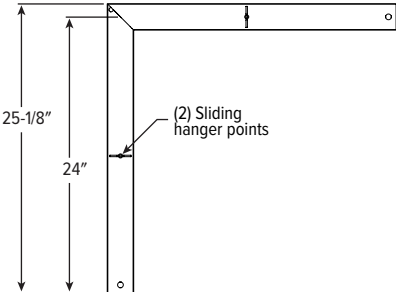
REMOTE MOUNT BATTERY

Max remote distance 50′.

Remote driver box

Test light

Hex box (By others)

Power to fixture

CORNER DETAILS

BACK VIEW

25-1/8″

24″

(2) Sliding hanger points

25-1/8″
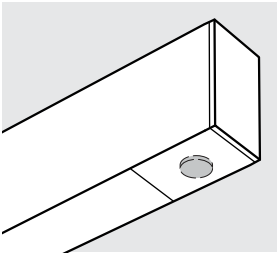
24″

(3) Sliding hanger points

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

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SENSOR PLACEMENT DETAILS

## ADDITIONAL CONTROL OPTIONS

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

OCCWS-FS-305-L6-PP-120/277 Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V
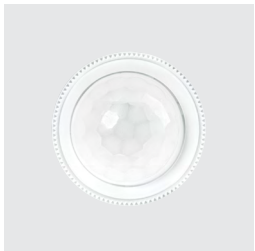
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	8′
LENS	Indoor, non-wet location use
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

SENSOR COVERAGE PATTERNS
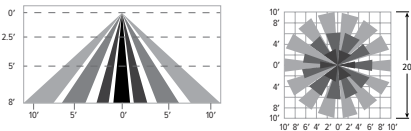
8′ height: ø20′ coverage
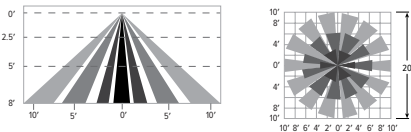
SENSOR DETAIL

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
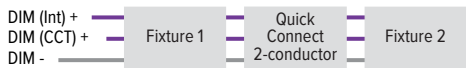

SENSOR DETAIL

Dimensions: ø1-5/16″

DRIVER DETAILS

DIM

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

DALI

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

DMX

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

LUTRON T-SERIES

T1
T2
— Fixture 1 — Quick Connect 2-conductor — Fixture 2

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