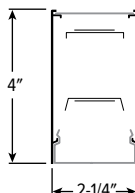
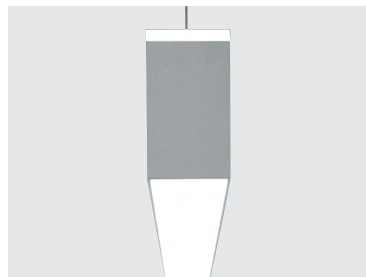


# MX2UD tunable WHITE

## 2" Continuous Up/Down – Suspended



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
- Moveable mounting hardware easily slides along the length of the fixture providing variable mounting points for continuous rows
- High-performance up to 125 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](http://hew.com)
- Corner configurations available, see Product Builder at [hew.com/product-builder](http://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](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### ORDERING EXAMPLE: MX2UD - 12'00 - L8/8TWU/L8/8TWD - F/F - AC/D48 - OPTIONS - CONTROL/DALI - UNV

#### SERIES ILLUMINATED LENGTH

**MX2UD** 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](http://hew.com/product-builder)<sup>[1]</sup>



#### LUMEN PACKAGE (EXAMPLE: L8/8TWU/L8/8TWD)

Specify lumen packages: **U** for Uplight and **D** for Downlight

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

#### SHIELDING UP

- F** Flat, diffuse acrylic
- FW** Flat, diffuse acrylic with widespread optic
- FA** Flat, diffuse acrylic with asymmetric optic
- G** Diffuse acrylic with glowing edge<sup>[3]</sup>

#### SHIELDING DOWN

- F** Flat, diffuse acrylic
- FW** Flat, diffuse acrylic with widespread optic
- G** Diffuse acrylic with glowing edge<sup>[4]</sup>
- D** Diffuse acrylic with 1" drop<sup>[5]</sup>
- R** Regressed diffuse acrylic, 1"<sup>[6]</sup>

#### MOUNTING (EXAMPLE: AC/D48)<sup>[7]</sup>

Prefix Type Length

<b>AC/</b>	<b>D</b> 1" grid & hardpan	<b>24</b> 24"
	<b>N</b> 9/16" grid	<b>48</b> 48"
	<b>S</b> Slot grid	<b>96</b> 96"

#### OPTIONS

See page 3 for FINISH OPTIONS.

- EM/10WLP** Low-profile 10-watt emergency battery<sup>[8]</sup>
- EM/10WRM** Remote mount 10-watt emergency battery<sup>[9]</sup>
- Additional lower lumen packages available<sup>[10]</sup>  
Example: 600 lumens = MX2UD-12'00-L8/8TWU/L8/8TWD-(L6U/L6D)

**MSF** Microstem, 1/4" IPS, specify length in inches<sup>[11]</sup>

#### CONTROL

- None
- See page 4 for Additional Control Options.<sup>[13]</sup>

#### DRIVER<sup>[12]</sup>

- 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

- See page 4 for CORNER DETAILS.
- 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.
- Not available with fixtures less than 4'.
- Not available with corner configurations.
- Not available with corner configurations.
- Not available with corner configurations.
- Not available with corner configurations. Increases fixture height. See page 3 for SHIELDING DETAILS.
- See page 3 for MOUNTING DETAILS.
- Not available with fixtures less than 4'.
- See page 3 for MOUNTING DETAILS.
- (L3U/L3D) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Power cord does not run through microstem.
- See page 4 for DRIVER DETAILS.
- See page 4 for SENSOR PLACEMENT DETAILS.



# MX2UD tunable WHITE

## 2" Continuous Up/Down – Suspended

### FIXTURE PERFORMANCE DATA

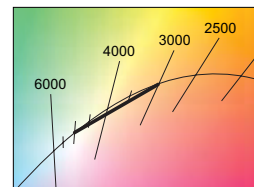
PER FOOT (1600 LUMENS PER FOOT MAXIMUM)		
TOTAL DELIVERED LUMENS	TOTAL WATTAGE	EFFICACY (lm/W)
1650	13.1	126

- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding for Up and Down compartments, 80 CRI/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

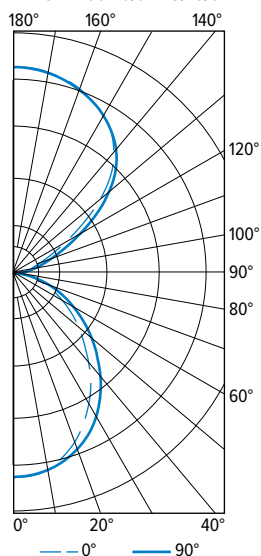
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

SHIELDING	
LENS	CONVERSION FACTOR
D	1.05
F	1.00
G	0.98
FA	0.96
FW	0.92
R	0.91



### PHOTOMETRY

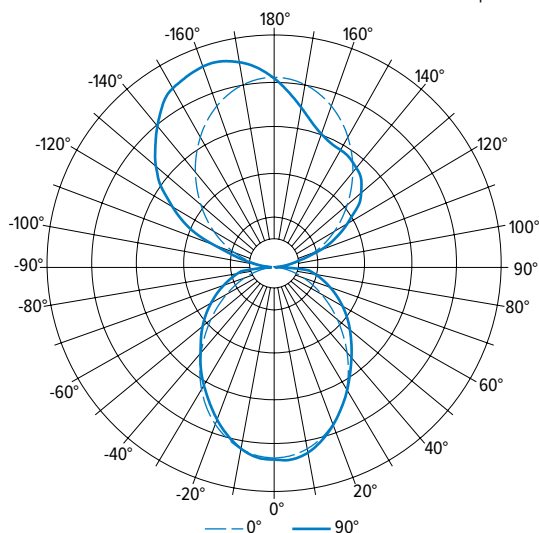
**MX2UD-4'00-L8/8TWU/L8/8TWD-F/F-DALI** Total Luminaire Output: 6600 lumens; 52.4 Watts | Efficacy: 126 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1409	1409	1409	
5	1398	1399	1403	133
15	1329	1320	1296	371
25	1194	1155	1107	532
35	993	935	879	586
45	764	700	641	543
55	544	495	449	446
65	349	315	285	315
75	174	161	149	173
85	41	46	47	51
90	3	5	4	
95	46	32	26	39
105	153	117	102	132
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	

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

**MX2UD-4'00-L8/8TWU/L8/8TWD-FA/F-DALI** Total Luminaire Output: 6599 lumens; 52.4 Watts | Efficacy: 126 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1453	1453	1453	1453	1453	
5	1433	1448	1455	1448	1433	137
15	1356	1371	1360	1371	1356	381
25	1213	1209	1169	1209	1213	544
35	1014	988	935	988	1014	603
45	790	760	706	760	790	568
55	568	543	501	543	568	468
65	363	351	323	351	363	331
75	183	189	178	189	183	185
85	47	63	66	63	47	60
90	6	14	20	14	6	
95	35	28	21	28	35	48
105	171	198	157	198	171	217
115	330	392	401	392	330	428
125	490	577	600	577	490	567
135	654	689	742	689	654	613
145	818	758	798	758	818	575
155	964	815	820	815	964	464
165	1075	930	896	930	1075	305
175	1136	1069	1054	1069	1136	107
180	1136	1136	1136	1136	1136	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1062	16
	0 - 40	1665	25
	0 - 60	2701	41
	0 - 90	3277	50
	90 - 120	692	11
	90 - 130	1259	19
	90 - 150	2447	37
	90 - 180	3322	50
	0 - 180	6599	100



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.

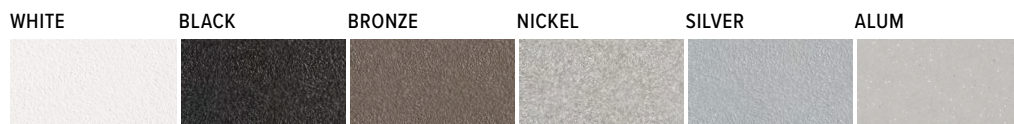
REV.01/04/24.JL

Continuous

Page 2 of 4

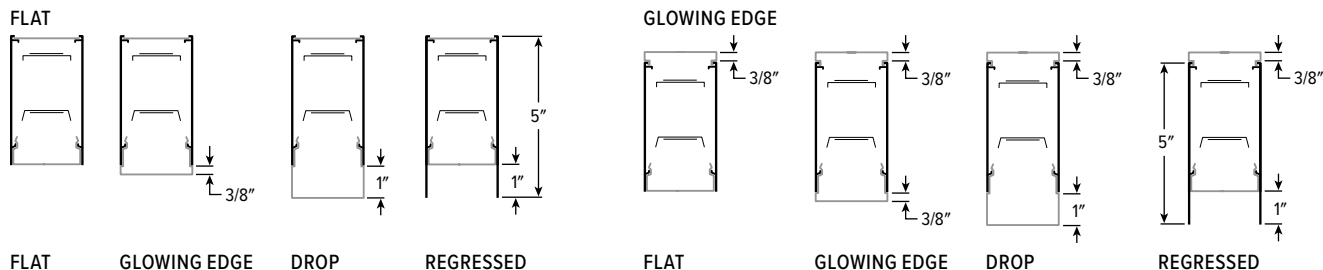
# MX2UD tunable WHITE 2" Continuous Up/Down – Suspended

## FINISH OPTIONS



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.

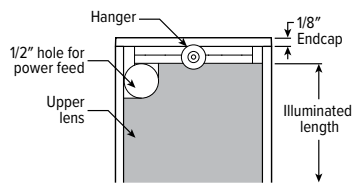
## SHIELDING DETAILS



## FIXTURE DETAILS

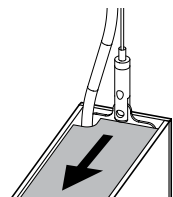
Stand-alone fixtures up to 12' in length will require two suspension cables.

### BACK VIEW

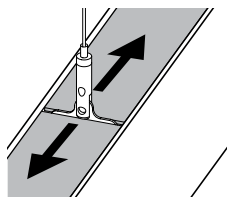


## MOUNTING DETAILS

### AIRCRAFT CABLE

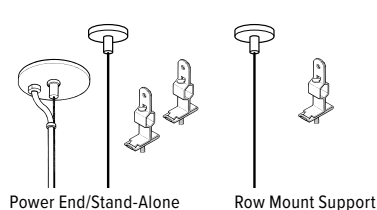


Field-adjustable standalone hanger.



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

### STANDARD HARDWARE



### 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.

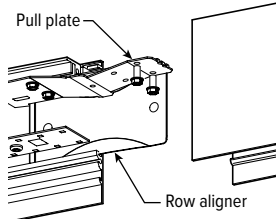
### AIRCRAFT CABLE



### MICROSTEM



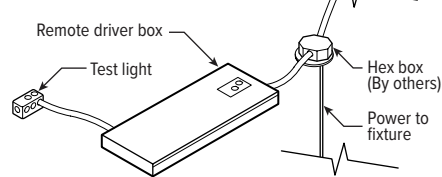
### ROW ALIGNMENT SYSTEM



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'.



# MX2UD tunable WHITE

## 2" Continuous Up/Down – Suspended

### DRIVER DETAILS

#### DIM



#### DMX



#### DALI

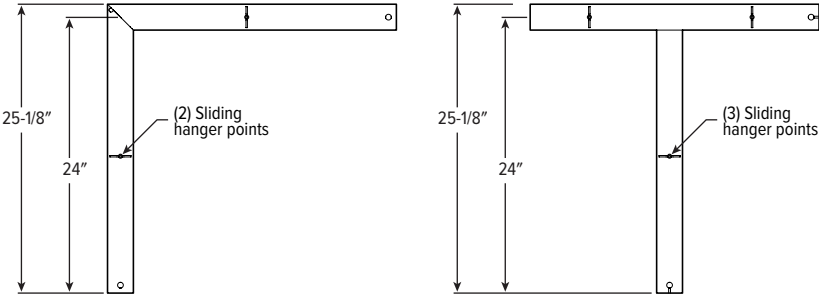


#### LUTRON T-SERIES



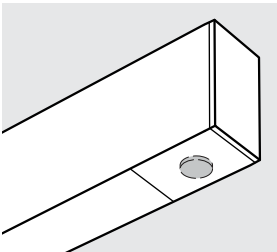
### CORNER DETAILS

#### BACK VIEW



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

### SENSOR PLACEMENT DETAILS



### ADDITIONAL CONTROL OPTIONS

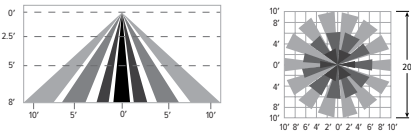
Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory.

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

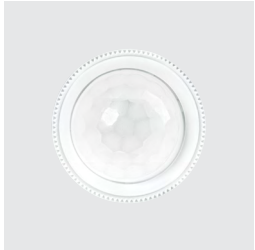
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	8'
LENS	Indoor, non-wet location use
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

#### SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



#### SENSOR DETAIL



Dimensions: ø1-5/16"

