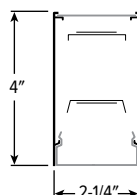
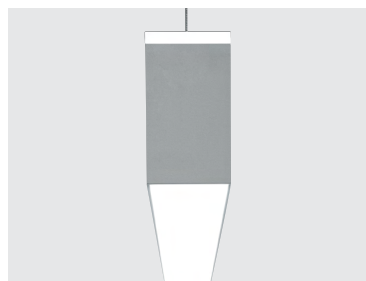


MX2UD tunable WHITE

2" Continuous Up/Down – Suspended



CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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 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
- 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: MX2UD - 12'00 - L8/8TWU/L8/8TWD - F/F - AC/D48 - OPTIONS - CONTROL/DALI - UNV

SERIES ILLUMINATED LENGTH ^[1]
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 ^[2]



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

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

LUMENS ^[3]	COLOR	U or D
L8 800lm	8TW Tunable white (80 CRI, 3000K-5000K)	U Uplight D Downlight

SHIELDING UP

F Flat
FW Flat with widespread, batwing optic
FA Flat with asymmetric optic
G Glowing edge lens, 3/8" ^[4]

SHIELDING DOWN

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) ^[8]

Prefix	Type	Length
AC/	D 1" grid & hardpan	24 24"
	N 9/16" grid	48 48"
	S Slot grid	96 96"

OPTIONS ^[9]

See page 4 for FINISH OPTIONS.

MSF Microstem, 1/4" IPS, specify length in inches ^[12] (L__)

EM/10WLP Low-profile 10-watt emergency battery ^[10]
EM/10WRM Remote mount 10-watt emergency battery
EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch
 Additional lower lumen packages available ^[11]
 Example: 600 lumens = MX2UD-12'00-L8/8TWU/L8/8TWD-(L6U/L6D)

CONTROL ^[13]

See page 5 for ADDITIONAL CONTROL OPTIONS.

–	None
AWN	Lutron Athena wireless node integral fixture control, RF only ^[14]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing ^[15]

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) ^[16]
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

120 120V
277 277V
UNV 120-277V

NOTES

- Endcaps add 1/4" to overall specified length.
- 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 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 FIXTURE DETAILS.
- 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.
- Not available with fixtures less than 4'.
- (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.
- 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 4 for SENSOR & NODE PLACEMENT DETAILS.
- DSR and LD2 Drivers only.
- DSR and LD2 Drivers only.
- Lutron Athena Controls only.



MX2UD tunable WHITE

2" Continuous Up/Down – Suspended

FIXTURE PERFORMANCE DATA

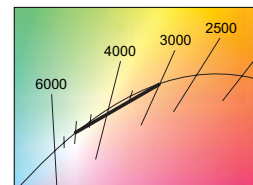
PER FOOT (1600 LUMENS PER FOOT MAXIMUM)		
TOTAL DELIVERED LUMENS	TOTAL WATTAGE	EFFICACY (lm/W)
1650	13.1	126

- 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

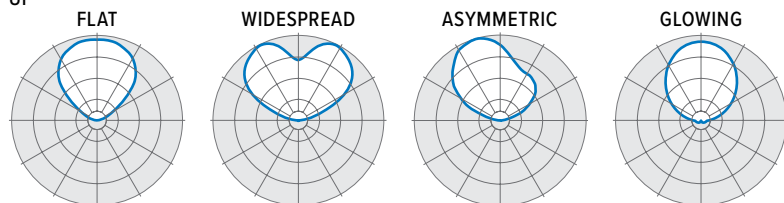
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

SHIELDING	
LENS	CONVERSION FACTOR
F	1.00
FW	0.92
FA (Up)	0.96
FA (Down)	0.82
G	0.98
D	1.05
R	0.91

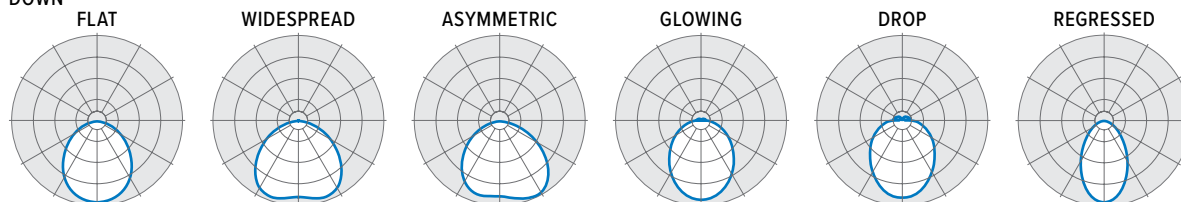


PHOTOMETRY

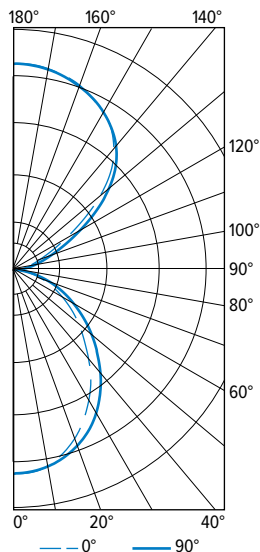
UP



DOWN



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	

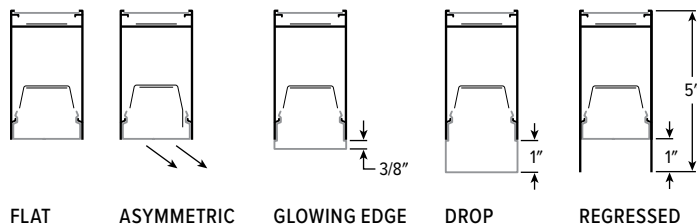
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1036	16
	0 - 40	1622	25
	0 - 60	2611	40
	0 - 90	3150	48
	90 - 120	444	7
	90 - 130	940	14
	90 - 150	2338	35
	90 - 180	3450	52
	0 - 180	6600	100



MX2UD tunable WHITE 2" Continuous Up/Down – Suspended

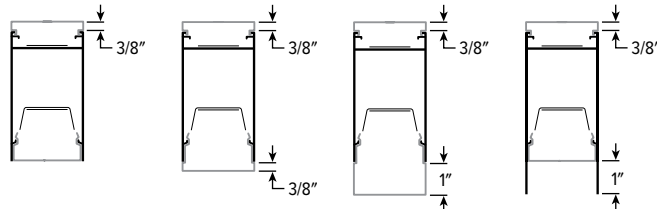
SHIELDING DETAILS

FLAT UPLIGHT



FLAT ASYMMETRIC GLOWING EDGE DROP REGRESSED

GLOWING EDGE UPLIGHT

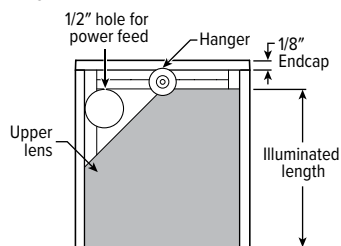


FLAT GLOWING EDGE DROP REGRESSED

FIXTURE DETAILS

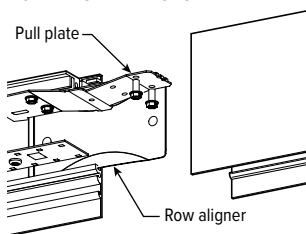
See hew.com/power-entry for power entry details.

BACK VIEW



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

ROW ALIGNMENT SYSTEM

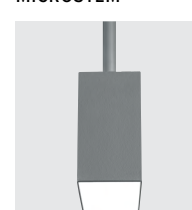


Installer friendly row aligners ensure seamless joining between fixtures while factory installed pull plate locks extrusions in place without disassembly of fixture internals.

AIRCRAFT CABLE

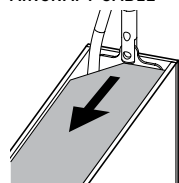


MICROSTEM

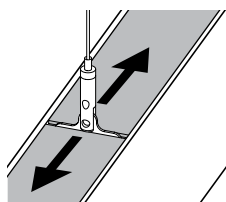


Power cord does not run through microstem.

AIRCRAFT CABLE

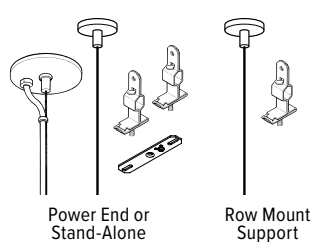


Field-adjustable standalone hanger.



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

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



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.

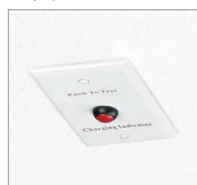
REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS



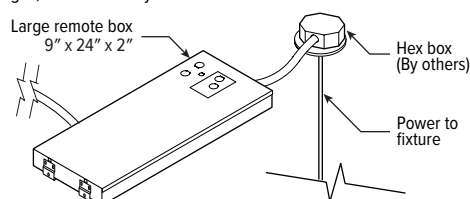
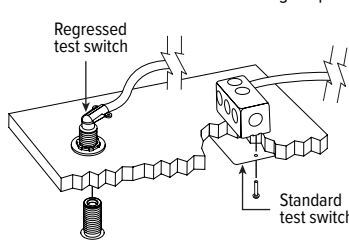
Regressed test switch
ø1-3/4"

EM/10WRM



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

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



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

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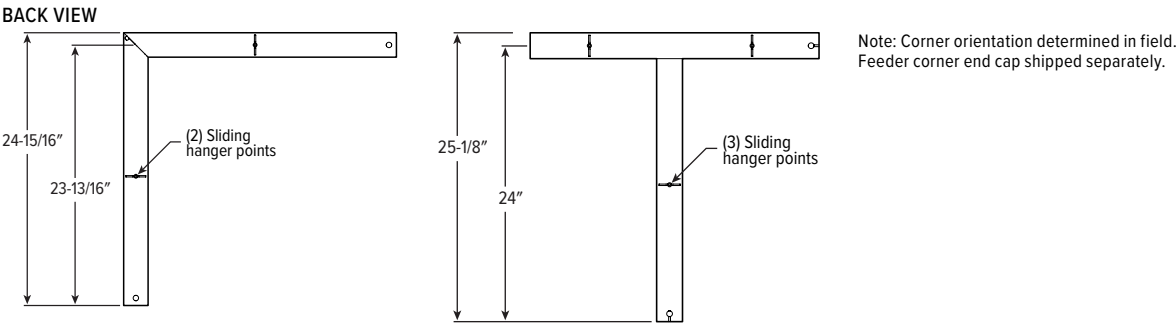
Continuous

Page 3 of 5

MX2UD

tunable **WHITE**
2" Continuous Up/Down – Suspended

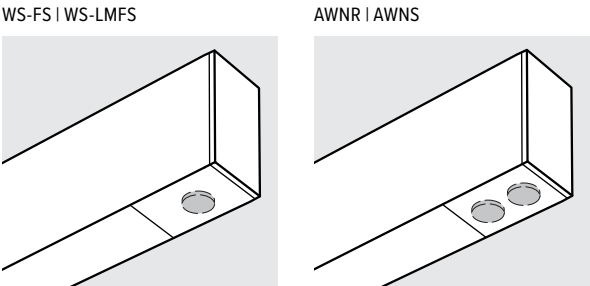
CORNER DETAILS



FINISH OPTIONS



SENSOR & NODE PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS

MX2UD tunable WHITE 2" Continuous Up/Down – Suspended

ADDITIONAL CONTROL OPTIONS

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

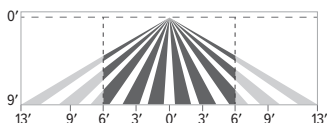
AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

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

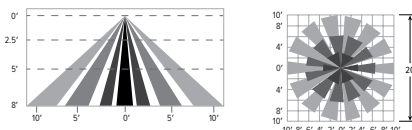
CATALOG NUMBER	DESCRIPTION
AWNDR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNDR-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

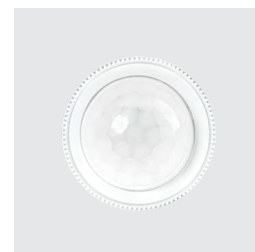
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	8'
LENS	Indoor, non-wet location use
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



SENSOR DETAIL



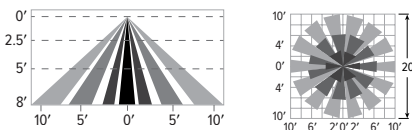
Dimensions: ø1-5/16"

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

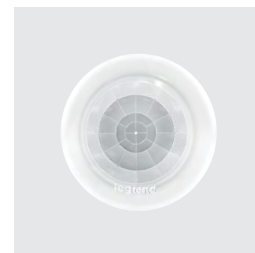
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
LENS	Up to 300 sq/ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



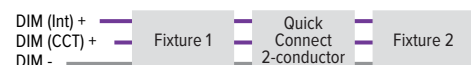
SENSOR DETAIL



Dimensions: ø1-5/16"

DRIVER DETAILS

DIM



DMX



DALI



LD2



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Information contained herein is subject to change without notice.

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Page 5 of 5