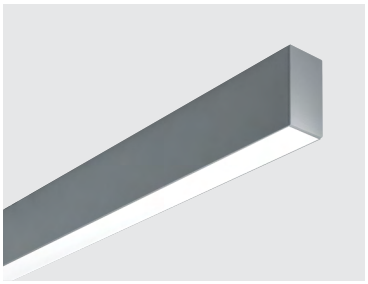
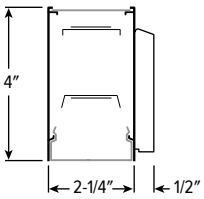
MX2WUD tunable WHITE
2″ Continuous Up/Down – Wall





CATALOG #:

TYPE:

PROJECT:

BUY AMERICAN ACT COMPLIANT

ADA Compliant

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
- 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
- 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 – 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
  - 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: MX2WUD - 12′00 - L8/8TWU/L8/8TWD - F/F - OPTIONS - CONTROL/DALI - UNV

SERIES

MX2WUD

ILLUMINATED LENGTH

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

SHIELDING UP

- **F** Flat, diffuse acrylic
- **G** Diffuse acrylic with glowing edge
- **FA** Flat, diffuse acrylic with asymmetric optic

SHIELDING DOWN

- **F** Flat, diffuse acrylic
- **G** Diffuse acrylic with glowing edge
- **D** Diffuse acrylic with 1″ drop
- **R** Regressed diffuse acrylic, 1″ [2]

OPTIONS

See page 3 for FINISH OPTIONS.

- **EM/10WLP** Low-profile 10-watt emergency battery [3]
- **EM/10WRM** Remote mount 10-watt emergency battery [4]
- **(L__)** Additional lower lumen packages available [5]
  Example: 600 lumens = MX2WUD-12′00-L8/8TWU/L8/8TWD-**(L6U/L6D)**

CONTROL

- – None

See page 4 for Additional Control Options. [7]

DRIVER [6]

- **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. 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.
2. Increases fixture height. See page 2 for SHIELDING DETAILS.
3. Not available with fixtures less than 4′.
4. See page 3 for MOUNTING DETAILS.
5. (L4U/L4D) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
6. See page 4 for DRIVER DETAILS.
7. See page 4 for SENSOR PLACEMENT DETAILS.

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FIXTURE PERFORMANCE DATA

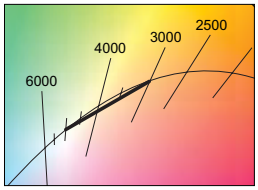
PER FOOT (1600 LUMENS PER FOOT MAXIMUM)		
TOTAL DELIVERED LUMENS	TOTAL WATTAGE	EFFICACY (lm/W)
1650	13.1	126

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

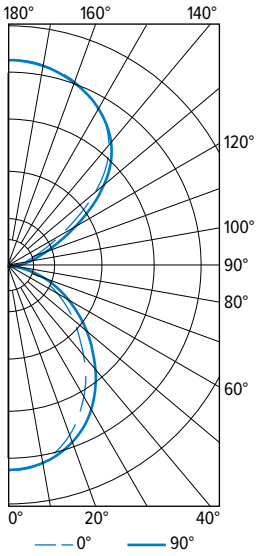
	CONVERSION FACTOR	
CCT	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

SHIELDING	
LENS	CONVERSION FACTOR
D	1.05
F	1.00
G	0.98
FA	0.96
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

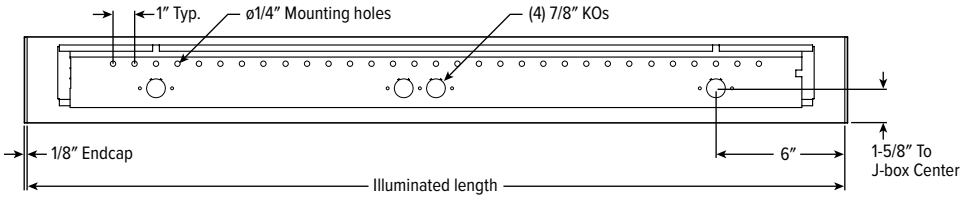


CANDLEPOWER DISTRIBUTION					
	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	1409	1409	1409	
	5	1398	1399	1403	133
	15	1329	1320	1296	371
	25	1194	1155	1107	532
	35	993	935	879	586
	45	764	700	641	543
	55	544	495	449	446
	65	349	315	285	315
	75	174	161	149	173
	85	41	46	47	51
	90	3	5	4	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

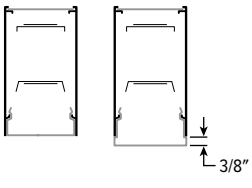
FIXTURE DETAILS

BACK VIEW

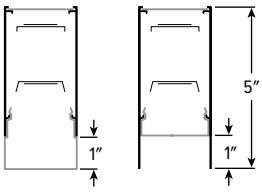


SHIELDING DETAILS

FLAT

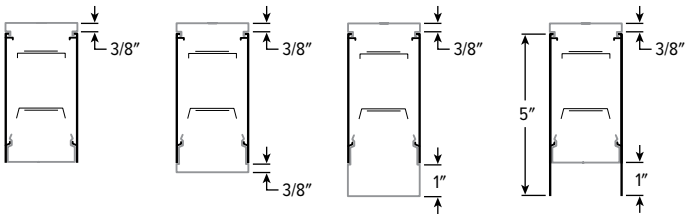


FLAT GLOWING EDGE



DROP REGRESSED

GLOWING EDGE



FLAT GLOWING EDGE DROP REGRESSED

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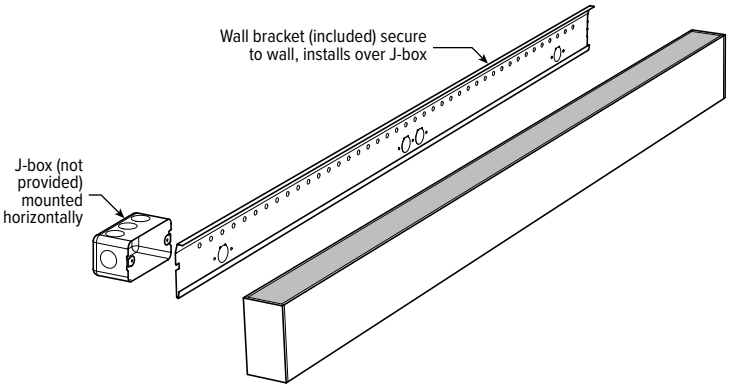
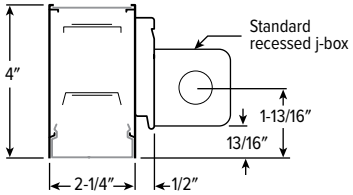
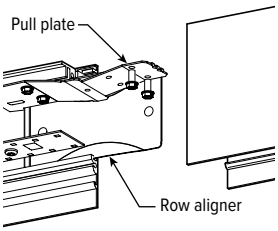
MOUNTING DETAILS





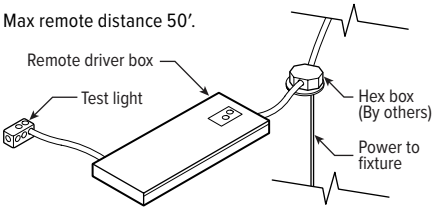
ROW ALIGNMENT SYSTEM



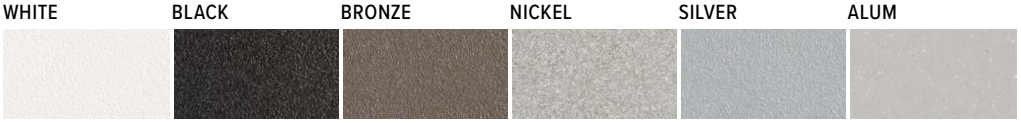
Installer friendly row aligners ensure seamless joining between fixtures while factory installed pull plate locks extrusions in place without disassembly of fixture internals.

REMOTE MOUNT BATTERY

Max remote distance 50′.



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.

SEE NEXT PAGE FOR ADDITIONAL CONTROL OPTIONS

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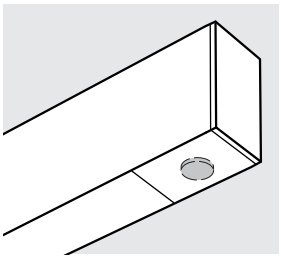
SENSOR PLACEMENT DETAILS



ADDITIONAL CONTROL OPTIONS

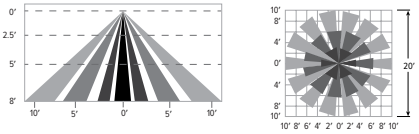
Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory.

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

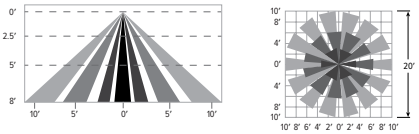
Dimensions: ø1-5/16″

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

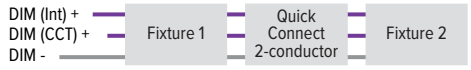


SENSOR DETAIL

Dimensions: ø1-5/16″

DRIVER DETAILS

DIM



DMX

DALI

LUTRON T-SERIES