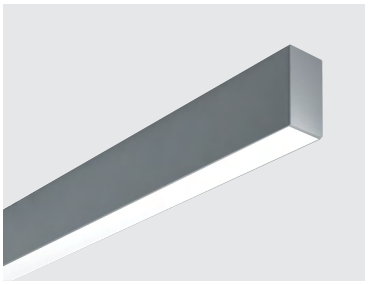
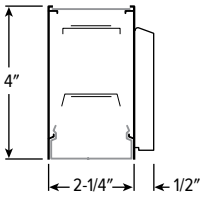
MX2WUD PoE | tunable WHITE
2″ Continuous Up/Down – Wall





CATALOG #:

TYPE:

PROJECT:

FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Support human-centric design with adaptive, individualized lighting using tunable white
- 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
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Wall bracket design evenly spaces fixtures automatically
- Versatile MX2 system includes recessed, surface, suspended and in-wall mounting, see hew.com
- 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. Low-voltage DC fixture, to be fed by Class 2 power supply. 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.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe

ORDERING EXAMPLE: MX2WUD - 12′00 - P8/835U/P8/835D - F/F - OPTIONS - POE PR

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: P8/835U/P8/835D)

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

LUMENS [1]		CRI		CCT		U or D	
P8	800lm	**8**	80	**27**	2700K	**U**	Uplight
		9	90 [2]	**30**	3000K	**D**	Downlight
				35	3500K		
				40	4000K		
				50	5000K		
				TW	Tunable white (80 CRI, 3000K-5000K)		

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″ [4]

OPTIONS

See page 3 for FINISH OPTIONS.

CONTROL [3]

- **POE PR** Power over Ethernet-ready

NOTES

1. Nominal lumens per foot output based on F Shielding, 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA.
2. Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
3. For additional PoE connection details, consult factory.
4. Increases fixture height. See page 2 for SHIELDING DETAILS.

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FIXTURE PERFORMANCE DATA

STATIC WHITE (PER FOOT)

TOTAL DELIVERED LUMENS	TOTAL WATTAGE	EFFICACY (lm/W)
1638	12.6	130

TUNABLE WHITE (PER FOOT)

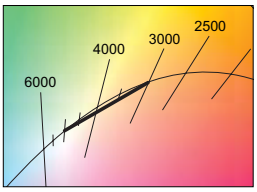
TOTAL DELIVERED LUMENS	TOTAL WATTAGE	EFFICACY (lm/W)
1643	12.6	130

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

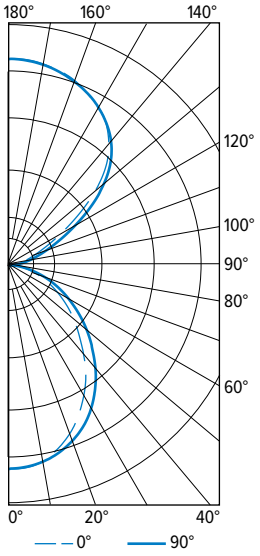
	COLOR TEMPERATURE	LUMENS	
	CCT	STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	–
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	–
	3000K	0.82	–
	3500K	0.83	–
	4000K	0.86	–
	5000K	0.89	–

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



PHOTOMETRY

MX2WUD-4'00-P8/835U/P8/835D-F/F Total Luminaire Output: 6552 lumens; 50.4 Watts | Efficacy: 130 lm/W | 80 CRI; 3500K CCT

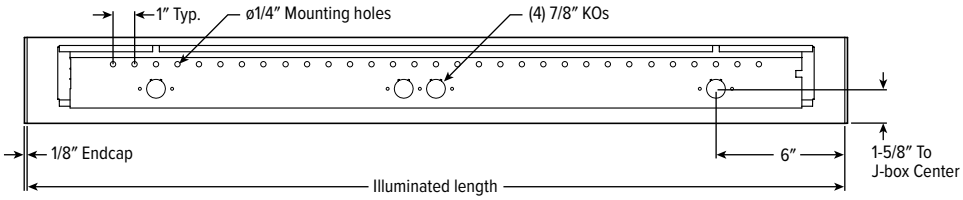


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	1399	1399	1399	
	5	1387	1388	1393	132
	15	1319	1310	1287	369
	25	1185	1147	1099	528
	35	985	929	873	582
	45	758	695	636	539
	55	540	492	445	442
	65	347	313	283	313
	75	173	160	148	171
	85	41	46	46	51
	90	3	5	4	
	95	46	31	26	39
	105	152	116	101	131
	115	316	267	221	270
	125	604	556	486	493
	135	921	890	864	683
	145	1133	1126	1123	704
	155	1269	1271	1265	586
	165	1358	1363	1365	385
	175	1407	1403	1413	134
	180	1413	1413	1413	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1029	16
	0 - 40	1610	25
	0 - 60	2592	40
	0 - 90	3127	48
	90 - 120	441	7
	90 - 130	933	14
	90 - 150	2321	35
	90 - 180	3425	52
	0 - 180	3552	100

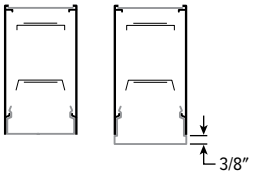
FIXTURE DETAILS

BACK VIEW

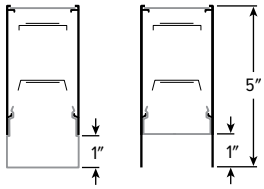


SHIELDING DETAILS

FLAT

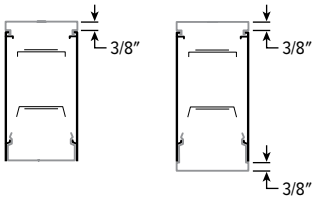


FLAT GLOWING EDGE

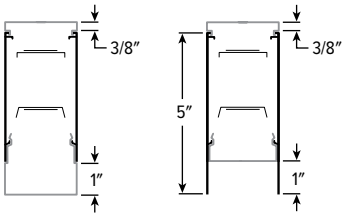


DROP REGRESSED

GLOWING EDGE



FLAT GLOWING EDGE



DROP REGRESSED

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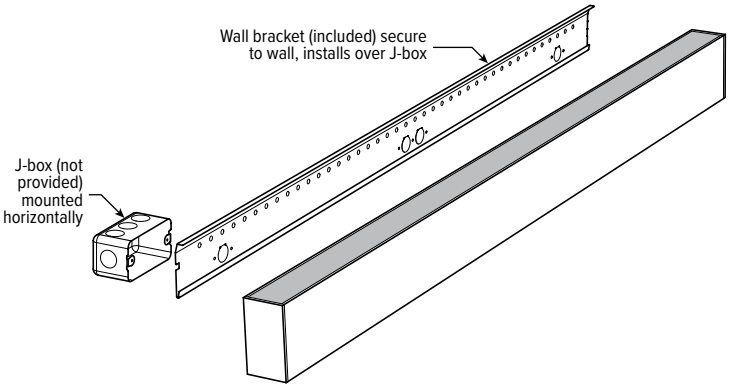
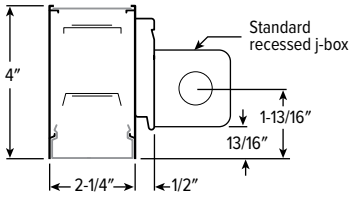
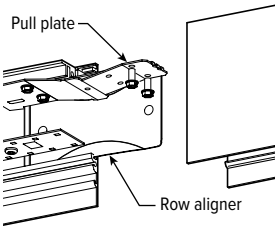
MOUNTING DETAILS





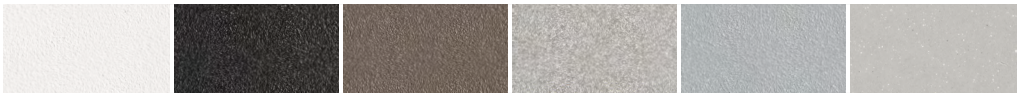
ROW ALIGNMENT SYSTEM



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

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.