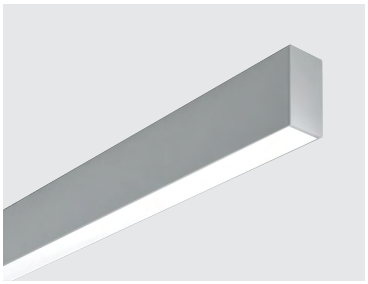
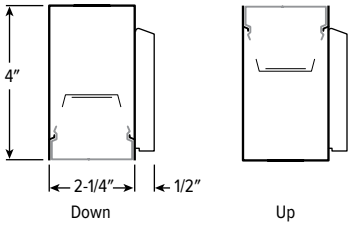
MX2W LED
2″ Continuous – Wall





CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | IK09 Rated | ADA Compliant | UL 924 | TW

FEATURES

- 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
- Asymmetric optic directs light for targeted illumination
- High-performance up to 124 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.
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Versatile MX2 system includes recessed, surface, suspended and in-wall mounting, see hew.com/MX2
- 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 boards. Reported L70: >54,000 hours. Reported L90: 52,000 hours. Estimated L70: 170,000 hours. 25°C maximum ambient operating temperature. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple shades 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
  - IK09 rated (Downlight, F and R Shielding only).
  - UL 924 available, consult factory.
  - 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: MX2WU - 12′00 - L8/835 - F - OPTIONS - CONTROL/DIM - UNV

SERIES
MX2WD Down
MX2WU Up

ILLUMINATED LENGTH [1]
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

LUMENS [2]
L4 400lm
L8 800lm
L12 1200lm

CRI
8 80
9 90

CCT
27 2700K
30 3000K
35 3500K
40 4000K
50 5000K
TW Tunable white (3000K–5000K)
TW2 Tunable white (2700K-6500K)

SHIELDING
F Flat
FA Flat with asymmetric optic
G Glowing edge lens, 3/8″
D Drop lens, 1″ [3]
R Regressed lens, 1″ [4]

OPTIONS [5]
UL 924 through feed wiring available, consult factory.
See page 3 for FINISH OPTIONS.

EM/10WLP Low-profile 10-watt emergency battery [7]
EM/10WRM Remote mount 10-watt emergency battery
EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch
(L__) Additional lower lumen packages available [8]
Example: 600 lumens = MX2WU-12′00-L8/835-**(L6)**

CONTROL [6]
*Click **HERE** for control and sensor options.*

– None

DRIVER
*See page 4 for **ADDITIONAL DRIVER OPTIONS**.*

DIM Driver with external 0-10V dimming wires [9]
DRV Driver without external dimming wires [10]
DIM1 1% Driver with external 0-10V dimming wires [11]

VOLTAGE
120 120V
277 277V
UNV 120-277V
347 347V [12]

NOTES
1. Endcaps add 1/4″ to overall specified length.
2. Lumens per foot output based on F Shielding, 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
3. MX2WD only.
4. Increases fixture height. See page 2 for SHIELDING DETAILS.
5. Remote EM batteries: max remote distance 50′. 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.
6. Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory. See page 4 for SENSOR & NODE PLACEMENT DETAILS.
7. Not available with fixtures less than 4′.
8. (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
9. 0.1% Driver with tunable white.
10. Not available with tunable white.
11. Not available with tunable white.
12. Not available with EM batteries or tunable white.

MX2W LED
2″ Continuous – Wall

FIXTURE PERFORMANCE DATA

	DOWN (PER FOOT)		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L4	375.8	3.4	111
L8	751.5	6.7	112
L12	1127.3	10.1	112

	UP (PER FOOT)		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L4	416.9	3.4	123
L8	833.8	6.7	124
L12	1250.8	10.1	124

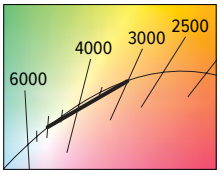
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding 80 CRI, 3500K for static white and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

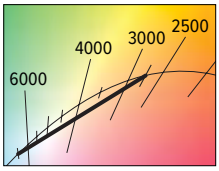
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

SHIELDING	
LENS	CONVERSION FACTOR
F	1.00
FW	0.92
FA (MX2WU)	0.96
FA (MX2WD)	0.82
G	0.98
D	1.05
R	0.91

TW



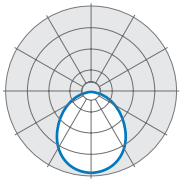
TW2



PHOTOMETRY

MX2WD

FLAT



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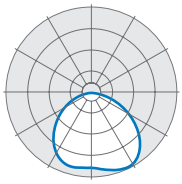
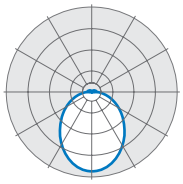


GLOWING



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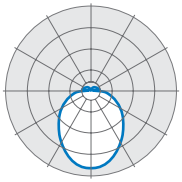

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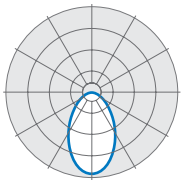
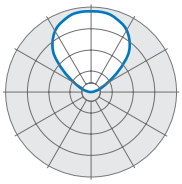


MX2WU

FLAT



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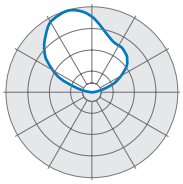

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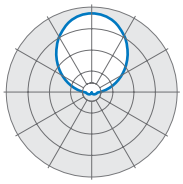
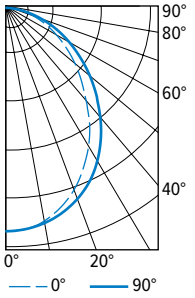


MX2WD-4′00-L8/835-F-DIM Total Luminaire Output: 3006 lumens; 27 Watts | Efficacy: 111 lm/W | 80 CRI; 3500K CCT



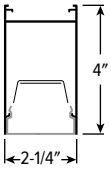
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	1329	1329	1329	
	5	1319	1319	1318	125
	15	1258	1246	1225	351
	25	1134	1095	1050	405
	35	945	888	836	557
	45	730	668	613	519
	55	523	475	430	428
	65	338	304	276	304
	75	171	157	145	168
	85	42	45	46	50
	90	1	4	5	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	981	33
	0 - 40	1537	51
	0 - 60	2484	83
	0 - 90	3006	100
	0 - 180	3006	100

SHIELDING DETAILS

MX2WD

FLAT



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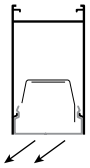

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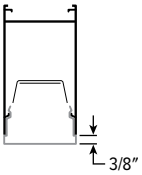

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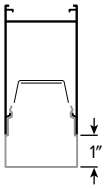

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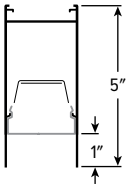
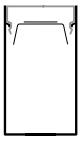


MX2WU

FLAT



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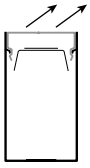

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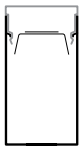

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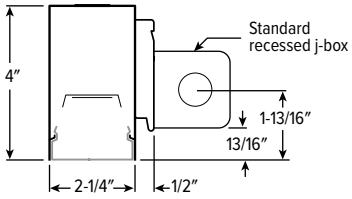
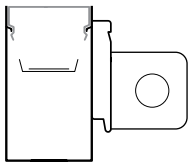
CROSS SECTIONS

MX2WD



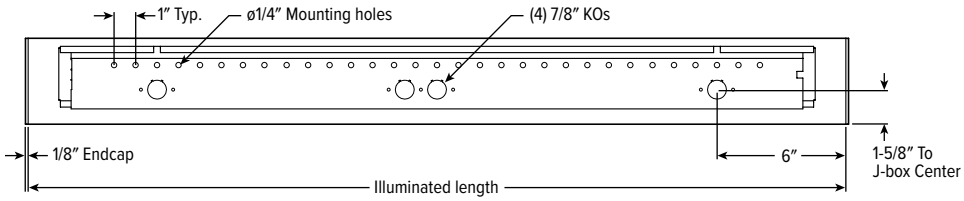
MX2WU



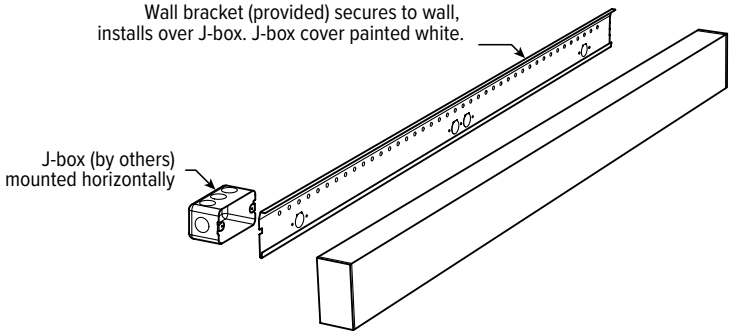
FIXTURE DETAILS

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

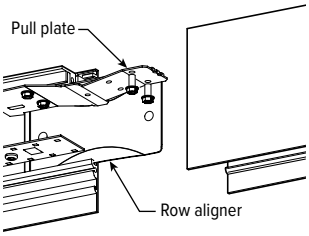
BACK VIEW



MOUNTING



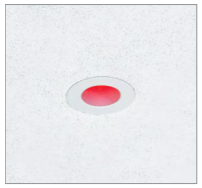
ROW ALIGNMENT SYSTEM



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 DETAILS

EM/10WRM/RTS

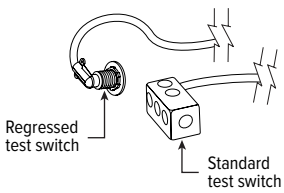


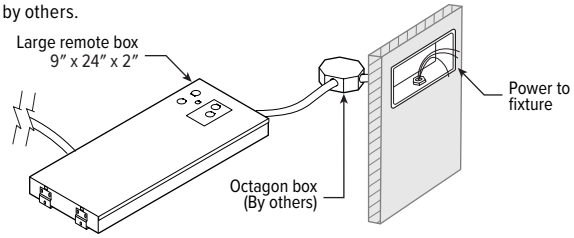
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

Max remote distance is 50′, connection by others.





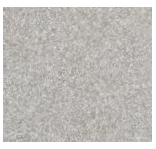
FINISH OPTIONS

WHITE

BLACK

BRONZE

NICKEL



SILVER

ALUM

RAL#____

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

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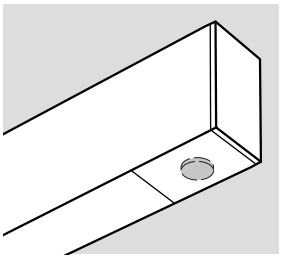
SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

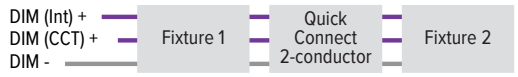
Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls 0.1% dimming and (1) 0-10V signal controls CCT)
DIM1 [1]	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE [1]	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC [1]	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications (DMX not available in odd inch increments when specified with tunable white)
SD40 [1]	40% step-dimming driver
SD50 [1]	50% step-dimming driver
LDE1 [1]	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
DCC	Remote UL Class 2 DC constant current supply, UL- or CSA-listed, by others

[1] Single CCT only.

TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI

LD2