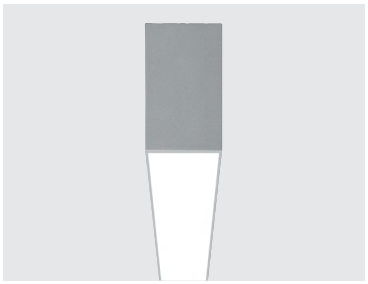
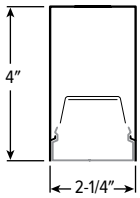
MX2S LED
2″ Continuous – Surface





CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT · IK09 Rated · UL 924 · TW

FEATURES

- 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
- Widespread optic allows for increased luminaire spacing while enhancing ceiling uniformity
- Asymmetric optic directs light for targeted illumination
- High-performance up to 115 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- 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
- Factory installed row alignment system creates straight rows with ease
- Corner configurations available, see Product Builder at hew.com/product-builder
- Diffuse acrylic lens provides uniform illumination for visual comfort
- 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 – Surface.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - IK09 rated (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: MX2S - 12′00 - L8/835 - F - OPTIONS - CONTROL/DIM - UNV

SERIES

MX2S

ILLUMINATED LENGTH [1]

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]

LUMENS [3]

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 [4]

F	Flat
FW	Flat with widespread, batwing optic
FA	Flat with asymmetric optic
G	Glowing edge lens, 3/8″
D	Drop lens, 1″
R	Regressed lens, 1″ [6]

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 = MX2S-12′00-L8/835-**(L6)**

CONTROL [9]

*Click **HERE** for control and sensor options.*

– None

DRIVER

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

DIM	Driver with external 0-10V dimming wires [10]
DRV	Driver without external dimming wires [11]
DIM1	1% Driver with external 0-10V dimming wires [12]

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V [13]

NOTES

1. Endcaps add 1/4″ to overall specified length.
2. See page 3 for CORNER DETAILS.
3. 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.
4. G, D, and R Shielding not available with corner configurations. 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. Increases fixture height.
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. Reduces portion of lit fixture, consult factory. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
10. 0.1% Driver with tunable white.
11. Not available with tunable white.
12. Not available with tunable white.
13. Not available with EM batteries or tunable white.

MX2S LED
2″ Continuous – Surface

FIXTURE PERFORMANCE DATA

	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L4	387.5	3.4	114
L8	775.0	6.7	116
L12	1162.5	13.5	86

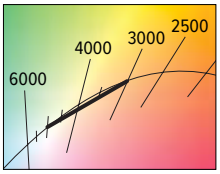
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI, 3500K for static white and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode,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

MULTIPLIER TABLE

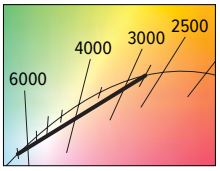
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

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

TW

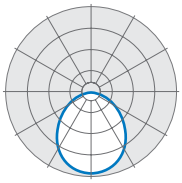


TW2

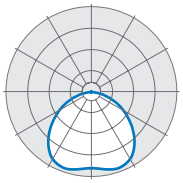


PHOTOMETRY

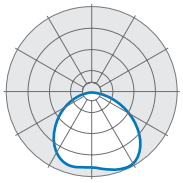
FLAT



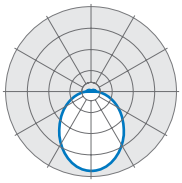
WIDESPREAD



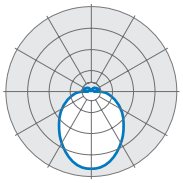
ASYMMETRIC



GLOWING



DROP



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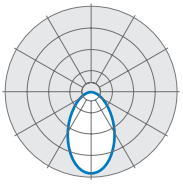
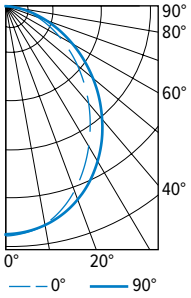


MX2S-4′00-L8/835-F-DIM Total Luminaire Output: 3100 lumens; 27 Watts | Efficacy: 115 lm/W | 80 CRI; 3500K CCT

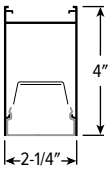


CANDLEPOWER DISTRIBUTION	HORIZONTAL ANGLE			ZONAL LUMENS
VERTICAL ANGLE	0°	45°	90°	
0	1370	1370	1370	
5	1358	1362	1365	129
15	1290	1278	1264	359
25	1157	1116	1077	513
35	972	912	859	571
45	763	700	645	541
55	550	496	451	446
65	351	314	284	314
75	177	162	151	174
85	44	48	48	53
90	5	10	11	

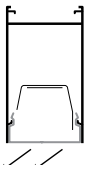
LUMEN SUMMARY		
ZONE	LUMENS	% FIXTURE
0 - 30	1001	32
0 - 40	1572	51
0 - 60	2559	83
0 - 90	3100	100
0 - 180	3100	100

SHIELDING DETAILS

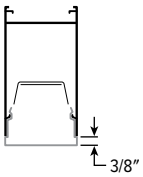
FLAT



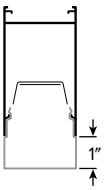
ASYMMETRIC



GLOWING EDGE



DROP



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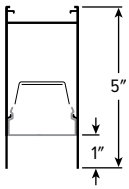
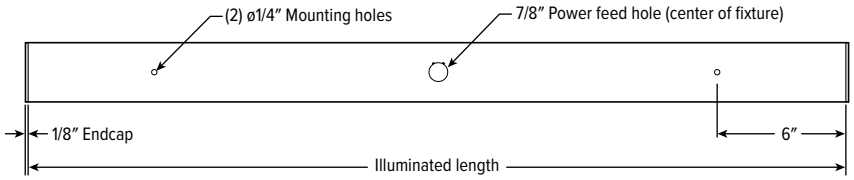


MX2S LED
2″ Continuous – Surface

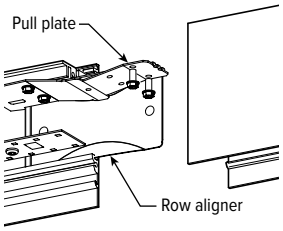
FIXTURE DETAILS

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

BACK VIEW



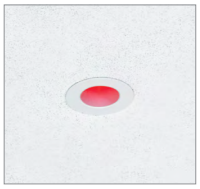
ROW ALIGNMENT SYSTEM



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

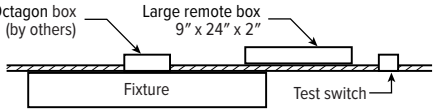


Regressed test switch
ø1-3/4″

EM/10WRM

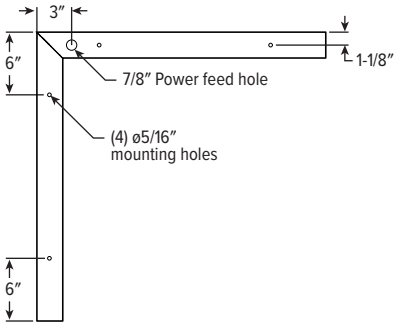
Standard test switch
2-3/4″ x 4-1/2″

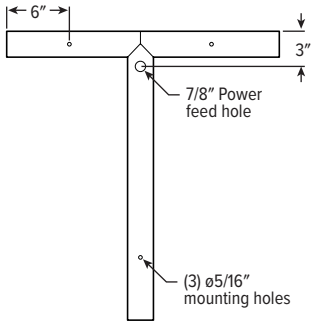
Max remote distance is 50′, connection by others.



CORNER DETAILS

BACK VIEW





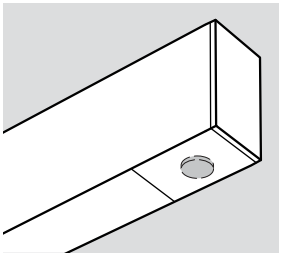
Note: Corner orientation determined in field.
Feeder corner end cap shipped separately.

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.

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

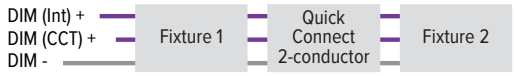
Note: Restrictions may apply, consult product builder at hew.com/product-builder

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