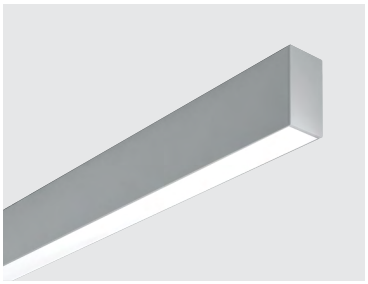
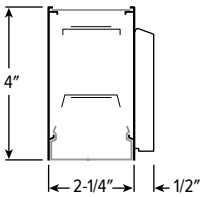
MX2WUD LED
2″ Continuous Up/Down – Wall





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 125 lm/W
- Linear extrusion contains snap-in light rails for ease of installation
- Wall bracket design evenly spaces fixtures
- Attractive source of direct and indirect lighting
- Factory installed row alignment system creates straight rows with ease
- 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: MX2WUD - 12′00 - L8/835U/L8/835D - F/F - OPTIONS - CONTROL/DIM - UNV

SERIES
MX2WUD

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

LUMEN PACKAGE (EXAMPLE: L8/835U/L8/835D)
Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [2]		CRI		CCT		U or D	
L4	400lm	**8**	80	**27**	2700K	**U**	Uplight
L8	800lm	**9**	90	**30**	3000K	**D**	Downlight
L12	1200lm			**35**	3500K		
				40	4000K		
				50	5000K		
				TW	Tunable white (3000K–5000K)		
				TW2	Tunable white (2700K-6500K)		

SHIELDING UP
- **F** Flat
- **FA** Flat with asymmetric optic
- **G** Glowing edge lens, 3/8″

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

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

EM/10WLP	Low-profile 10-watt emergency battery [5]
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 [6] Example: 600 lumens = MX2WUD-12′00-L8/835U/L8/835D-**(L6U/L6D)**

CONTROL [7]
*Click **HERE** for control and sensor options.*
- – None

DRIVER
*See page 4 for **ADDITIONAL DRIVER OPTIONS**.*
- **DIM** Driver with external 0-10V dimming wires. Up and down switch and dim together [8]
- **DRV** Driver without external dimming wires [9]
- **DIM1** 1% Driver with external 0-10V dimming wires [10]

VOLTAGE
- **120** 120V
- **277** 277V
- **UNV** 120-277V
- **347** 347V [11]

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%. 2000 lumens per foot maximum. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
3. 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.
4. Increases fixture height. See page 3 for SHIELDING DETAILS.
5. Not available with fixture less than 4′, maximum combined lumens cannot exceed 1600 per foot.
6. (L4U/L4D) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
7. 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.
8. 0.1% Diver with tunable white.
9. Not available with tunable white.
10. Not available with tunable white.
11. Not available with EM batteries or tunable white.

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2" Continuous Up/Down – Wall

FIXTURE PERFORMANCE DATA

	PER FOOT (2000 LUMENS PER FOOT MAXIMUM)				
	DELIVERED LUMENS			TOTAL WATTAGE	EFFICACY (lm/W)
	UP	DOWN	TOTAL		
L4/835U/L4/835D	417	376	793	6.8	117
L4/835U/L8/835D	417	752	1168	10.1	116
L8/835U/L4/835D	834	376	1210	10.1	120
L8/835U/L8/835D	834	752	1585	13.4	118
L8/835U/L12/835D	834	1127	1961	16.2	121
L4/835U/L12/835D	417	1127	1544	13.5	114
L12/835U/L4/835D	1251	376	1627	13.5	121
L12/835U/L8/835D	1251	752	2002	15.9	126

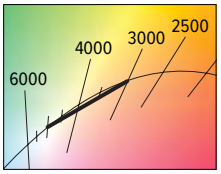
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding for Up and Down compartments, 80 CRI, 3500K for static white and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen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

MULTIPLIER TABLE

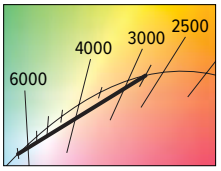
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

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

TW

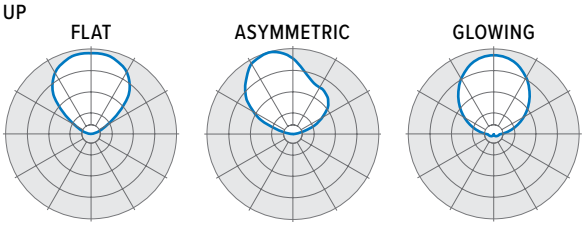


TW2

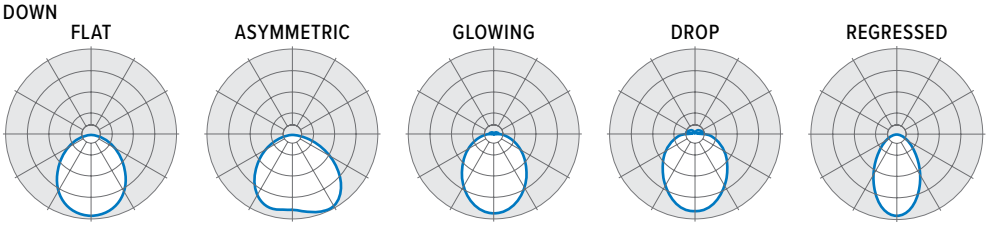


PHOTOMETRY

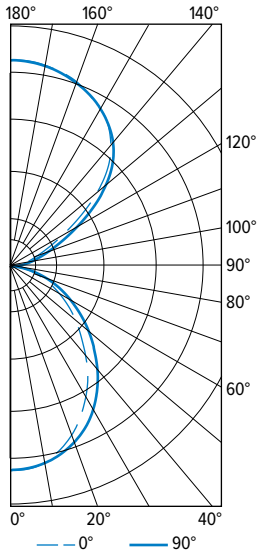
UP



DOWN



MX2WUD-4'00-L8/835U/L8/835D-A/F-DIM Total Luminaire Output: 6341 lumens; 53.6 Watts | Efficacy: 118 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION					
	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1354	1354	1354	
	5	1343	1344	1348	128
	15	1277	1268	1246	357
	25	1147	1110	1063	511
	35	954	899	845	563
	45	734	672	615	522
	55	523	476	431	428
	65	336	303	274	303
	75	168	155	143	166
	85	40	44	45	50
	90	2	5	4	
	95	44	30	25	37
	105	147	112	98	127
	115	306	258	214	262
	125	585	538	470	477
	135	892	861	836	661
	145	1097	1090	1087	681
	155	1228	1230	1224	567
	165	1314	1319	1321	373
	175	1362	1358	1367	130
	180	1367	1367	1367	

LUMEN SUMMARY			
	ZONE	LUMENS	% FIXTURE
	0 - 30	996	16
	0 - 40	1559	25
	0 - 60	2509	40
	0 - 90	3027	48
	90 - 120	426	7
	90 - 130	903	14
	90 - 150	2246	35
	90 - 180	3150	50
	0 - 180	6341	100

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2″ Continuous Up/Down – Wall

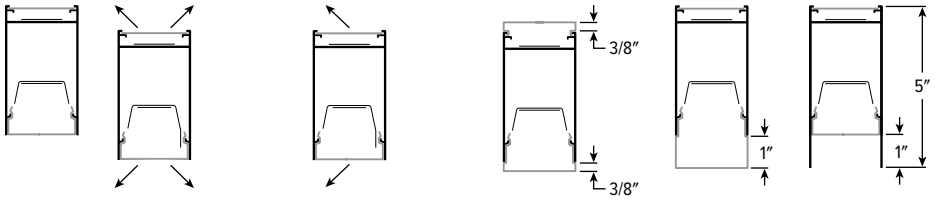
FINISH OPTIONS

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.

SHIELDING DETAILS

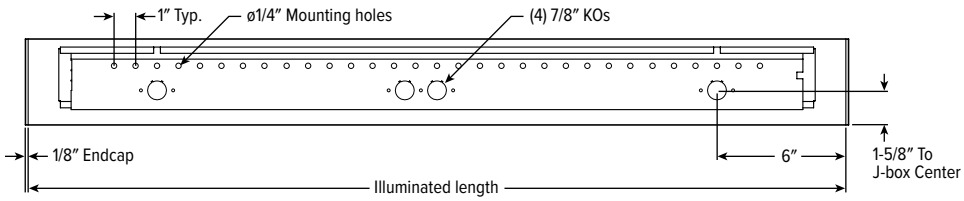
FLAT (F) | WIDESPREAD (FW) | ASYMMETRIC (FA) | GLOW (G) | DROP | REGRESSED (R)



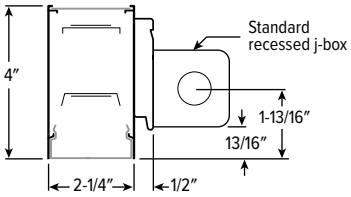
FIXTURE DETAILS

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

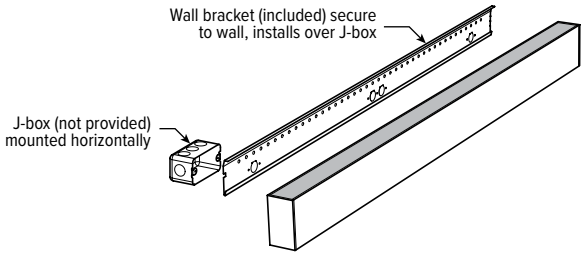
BACK VIEW



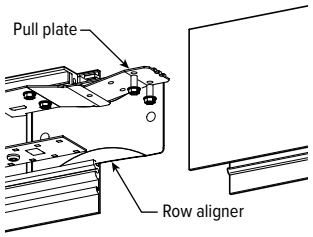
CROSS SECTION



MOUNTING



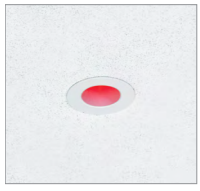
ROW ALIGNMENT SYSTEM



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

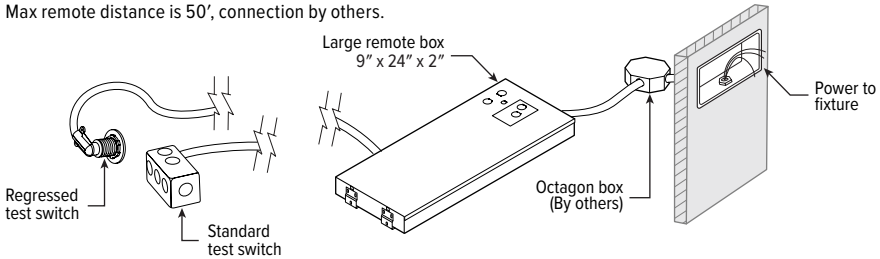


Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

Max remote distance is 50′, connection by others.



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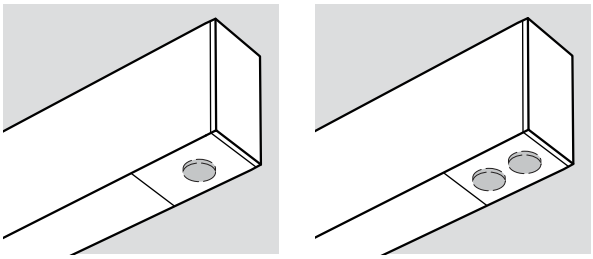
SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

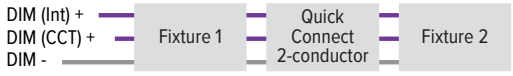
Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	Driver without external dimming wires prewired for non-dimming applications; entire fixture switches together
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)
DRVU/DRVD [1]	Driver without external dimming wires prewired for non-dimming applications; up and down switch separately
DRVU/DIMD [1]	Driver without external dimming wires prewired for non-dimming applications; up and down switch separately; external dimming wires on down only
DIMU/DRVD [1]	Driver with external dimming wires prewired for 0-10V low voltage applications on up only; up and down portions switch separately
DIMU/DIMD	Driver with external dimming wires prewired for 0-10V low voltage applications; up and down switch and dim separately
DRVDIMU [1]	Entire fixture switches together; driver with external dimming wires prewired for 0-10V low voltage applications on up only
DRVDIMD [1]	Entire fixture switches together; driver with external dimming wires prewired for 0-10V low voltage applications on down only
DIM1 [1]	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM1U/DIM1D [1]	1% driver with external dimming wires prewired for 0-10V low voltage applications; up and down switch and dim separately
DIM LINE [1]	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC [1]	Line voltage dimming driver (TRIAC compatible, 120V only)
DIM LINEU/DIM LINED [1]	Line voltage switching and line voltage dimming; up and down switch separately
DIM LINEU/DRVD [1]	Up and down portions switch separately; line voltage dimming on up only
DRVU/DIM LINED [1]	Up and down portions switch separately; line voltage dimming on down only
DA	Driver with 12V auxiliary power, without external dimming wires. Up and down switch together.
DA-U/D	Driver with 12V auxiliary power, without external dimming wires. Up and down switch separately.
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2). Up and down switch together.
DSR-U/D	Sensor-ready driver without external dimming wires (D4i DALI-2). Up and down switch separately.
LD2	Lutron DALI-2 digital driver, 1%
DCC	Remote UL Class 2 DC constant current supply, UL- or CSA-listed, by others

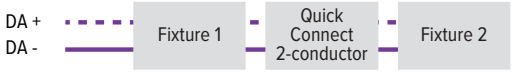
1 Single CCT only.

TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI

LD2