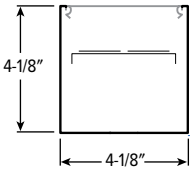
MX4U LED
4″ Continuous Up – Suspended



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT

TW

FEATURES

- Create elegant spaces with a seamless, continuous row of illumination
- High-performance up to 117 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Versatile MX4 system includes recessed, surface, suspended and in-wall mounting, see hew.com/mx4
- Corner configurations available, see Product Builder at hew.com/product-builder
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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. L70 >60,000 hours per IES TM-21. 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 – Suspended. 1/16″ diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid and hardpan ceiling applications provided.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - 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: MX4U - 12′00 - L8/835 - F - AC/D48 - OPTIONS - CONTROL/DIM - UNV

SERIES

MX4U

ILLUMINATED LENGTH [1]

Lengths specified in feet and inches using 4″ 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]

Single CCT or TW
L8 800lm

Single CCT only
L12 1200lm
L15 1500lm

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

MOUNTING (EXAMPLE: AC/D48) [4]

Prefix	Type	Length
AC/ Aircraft cables	**D** 1″ grid & hardpan	**24** 24″
	N 9/16″ grid	**48** 48″
	S Slot grid	**96** 96″

OPTIONS

*See page 4 for **FINISH OPTIONS**.*

EM/10W	10-watt emergency battery [5]
EM/10WRM	Remote mount 10-watt emergency battery [6]
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch [7]
(L__)	Additional lower lumen packages available [8] Example: 600 lumens = MX4U-12′00-L8/835-**(L6)**

CONTROL

*Click **HERE** for control options.*

– None

DRIVER

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

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

VOLTAGE

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

NOTES

1. Endcaps add 7/8″ to overall specified length.
2. See page 3 for CORNER DETAILS.
3. Lumens per foot output based on 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. See page 3 for MOUNTING DETAILS.
5. L8 and L12 only. Not available with fixtures less than 4′.
6. Remote EM batteries: max remote distance 50′, including suspension length. 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.
7. Remote EM batteries: max remote distance 50′, including suspension length. 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.
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 tunable white or EM batteries.

MX4U LED
4″ Continuous Up – Suspended

FIXTURE PERFORMANCE DATA

	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L8	851	7.3	117
L12	1187	10.8	110
L15	1439	13.5	107

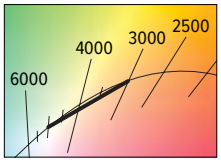
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI, 3500K for static white and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode,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

MULTIPLIER TABLES

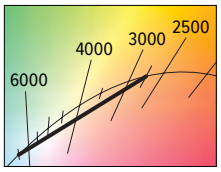
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

FA SHIELDING OPTION	
WATTAGE	EFFICACY (lm/W)
1.03	0.97

TW

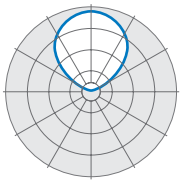


TW2

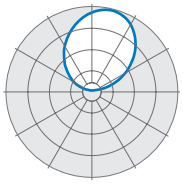


PHOTOMETRY

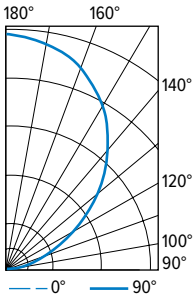
FLAT (F)



ASYMMETRIC (FA)



MX4U-4′00-L8/835-F-DIM Total Luminaire Output: 3404 lumens; 29.2 Watts | Efficacy: 117 lm/W | 80 CRI; 3500K CCT

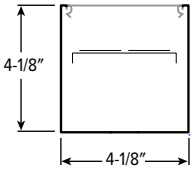


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	90	0	0	0	
	95	20	19	17	29
	105	161	123	103	138
	115	382	285	242	298
	125	643	516	431	477
	135	933	818	688	624
	145	1189	1112	1006	681
	155	1389	1315	1261	603
	165	1498	1456	1419	410
	175	1557	1519	1501	144
	180	1540	1540	1540	

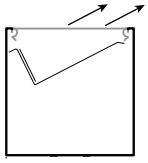
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	90 - 120	465	14
	90 - 130	941	28
	90 - 150	2247	66
	90 - 180	3404	100
	0 - 180	3404	100

CROSS SECTIONS

FLAT (F)



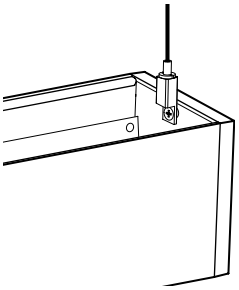
ASYMMETRIC (FA)



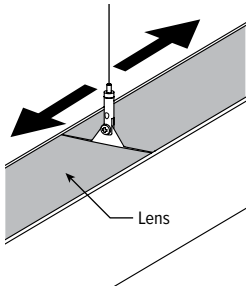
MX4U LED
4″ Continuous Up – Suspended

MOUNTING DETAILS

STANDALONE HANGER

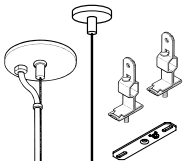


MID-FIXTURE HANGER

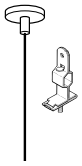


Joiner hanger slides to any position along the extrusion. Lens may be cut to fit around the hanger as needed.

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



Power End or Stand-Alone



Row Mount Support

Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5″ canopy to cover the junction box and a 2″ canopy at the non-feed point. No J-box is required at non-feed points.

CORD FOR SUSPENDED PRODUCT

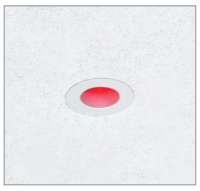
The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	**LENGTH**	**# OF COND.**	**WIRE SIZE**	**COLOR**
S	**24** 24″ **48** 48″ **96** 96″	**3** **4** **5** [1] **6** [1]	**8D** 18ga	**/W** White **/B** Black

[1] Includes (2) 22ga purple & pink dimming conductors

REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

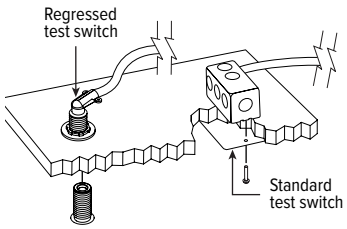


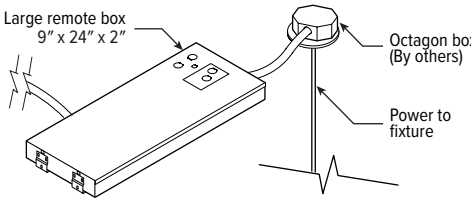
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

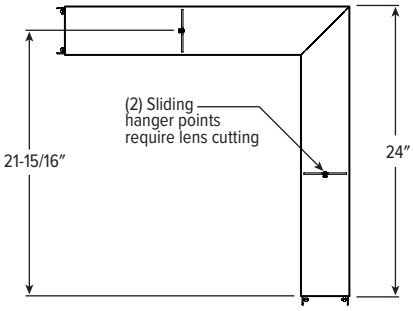
Max remote distance is 50′ including suspension length, connection by others.





CORNER DETAILS

MX490U BACK VIEW



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

MX4U LED
4″ Continuous Up – Suspended

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.

ADDITIONAL DRIVER OPTIONS

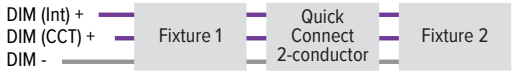
Note: Restrictions may apply, consult product builder at hew.com/product-builder

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.

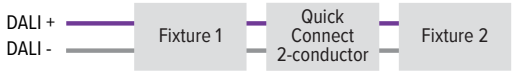
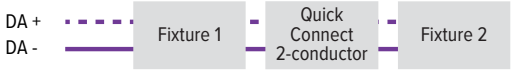
TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI



LD2