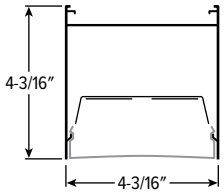
MX4D LED
4″ Continuous Down – Suspended



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT · IK10 Rated · UL 924 · TW

FEATURES

- Create elegant spaces with a seamless, continuous row of illumination
- Widespread optic allows for increased luminaire spacing while enhancing ceiling uniformity
- Asymmetric optic directs light for targeted illumination
- Specify in one inch increments to create a perfect fit
- IK10 rated for demanding environments
- Moveable mounting hardware easily slides along the length of the fixture
- High-performance up to 128 lm/W
- Linear extrusion contains snap-in light rails for ease of installation
- Factory installed row alignment system creates straight rows with ease
- 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
- 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.
  - UL 924 available, see Options.
  - IK10 rated (F shielding only).
  - 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: MX4D - 12′00 - L8/835 - F - AC/D48 - OPTIONS - CONTROL/DIM - UNV

SERIES

MX4D

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]

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
FW Flat with widespread, batwing optic
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″
MSF_	Microstem	1/2″ IPS, specify length in inches [5]		

OPTIONS

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

EM/10W	10-watt emergency battery [7]
EM/10WRM	Remote mount 10-watt emergency battery [8]
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch [9]
V90	Vertical 90° corner, suspended [10]
(L__)	Additional lower lumen packages available [11] Example: 600 lumens = MX4D-12′00-L8/835-**(L6)**
GEN	Approved for UL 924 emergency generator circuit through-feed wiring [12]

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 [13]
DIM1 1% Driver with external 0-10V dimming wires [14]
DRV Driver without external dimming wires [15]

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V [16]

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 See page 3 for MOUNTING DETAILS.
5 Power cord does not run through microstem.
6 May reduce portion of lit fixture, consult factory.
7 Not available with fixtures less than 4′.
8 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.
9 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.
10 Extended lead times may apply. Consult factory for availability.
11 (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
12 Not available with tunable white. Maximum mounting height is 29.4′ (9.0 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
13 0.1% Driver with tunable white.
14 Not available with tunable white.
15 Not available with tunable white.
16 Not available with tunable white or EM batteries.

MX4D LED
4″ Continuous Down – Suspended

FIXTURE PERFORMANCE DATA

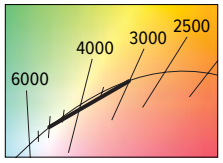
	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L8	845	6.6	128.0
L12	1259	9.9	127.2
L15	1535	12.5	122.8

- 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.

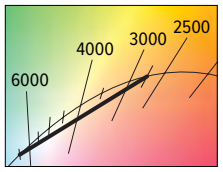
MULTIPLIER TABLES

	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

TW

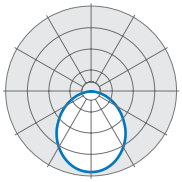


TW2

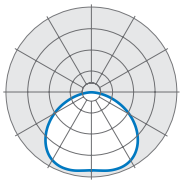


PHOTOMETRY

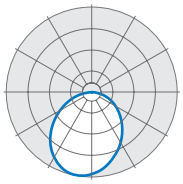
FLAT (F)



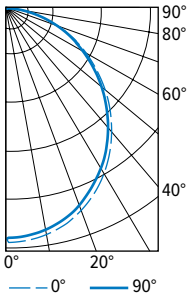
WIDESPREAD (FW)



ASYMMETRIC (FA)



MX4D-4′00-L15/835-F-DIM Total Luminaire Output: 6138 lumens; 50.0 Watts | Efficacy: 122.8 lm/W | 80 CRI; 3500K CCT

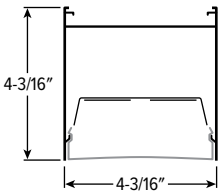


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	2384	2384	2384	
	5	2407	2360	2357	168
	15	2302	2249	2246	365
	25	2084	2035	2018	499
	35	1785	1742	1727	555
	45	1439	1403	1387	532
	55	1073	1047	1036	444
	65	729	712	704	318
	75	379	379	378	161
	85	100	104	107	28
	90	0	0	0	

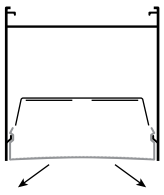
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2894	47
	0 - 60	4918	80
	0 - 90	6138	100
	0 - 180	6139	100

CROSS SECTIONS

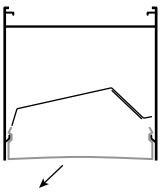
FLAT (F)



WIDESPREAD (FW)



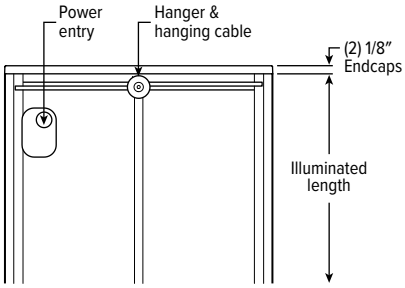
ASYMMETRIC (FA)



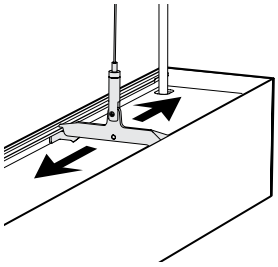
MX4D LED
4″ Continuous Down – Suspended

MOUNTING DETAILS

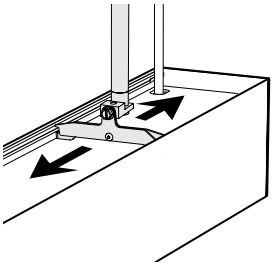
BACK VIEW



AIRCRAFT CABLE



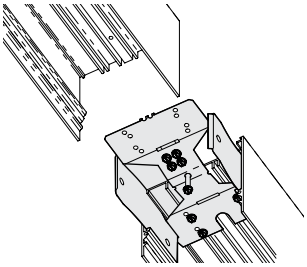
MICROSTEM



Row mount accessories can be repositioned along the length of the channel, providing flexible mounting locations to suit any application.

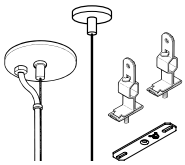
Power cord does not run through microstem.

ROW ALIGNMENT SYSTEM

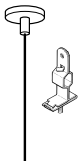


Installer friendly row aligners ensure seamless joining between fixtures while factory installed pull plate locks extrusions in place.

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

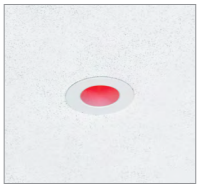
The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

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

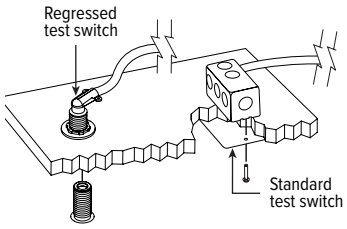


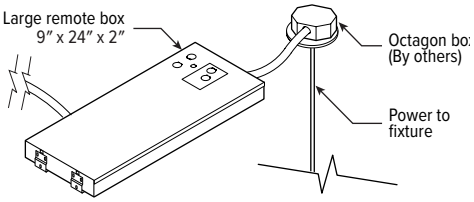
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

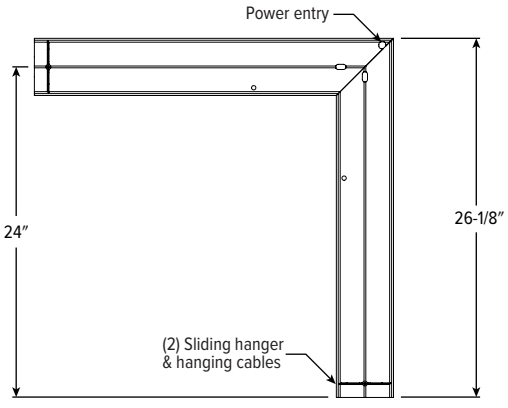
Max remote distance is 50′ including suspension length, connection by others.





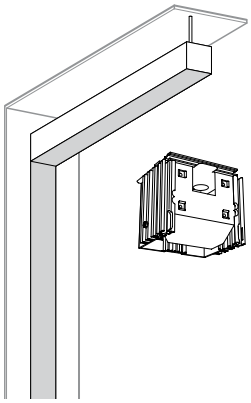
CORNER DETAILS

MX490D BACK VIEW



Left back view shown. Corner orientation determined in field. Feeder corner end cap shipped separately.

V90 TRANSITION CORNER



Includes tamper resistent lens bracket for lower end of vertical fixture.

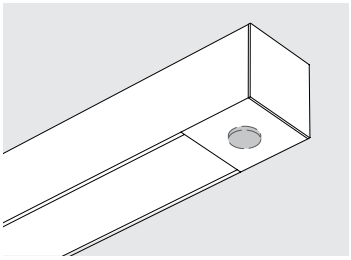
MX4D LED
4″ Continuous Down – Suspended

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.

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

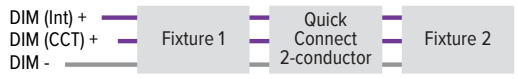
Note: Restrictions may apply, consult product builder at hew.com/product-builder

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