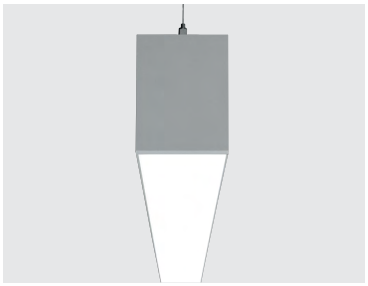
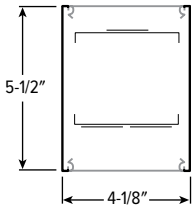
MX4UD LED
4″ Continuous Up/Down – Suspended





CATALOG #:

TYPE:

PROJECT:

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

FEATURES

- Create elegant spaces with a seamless, continuous row of illumination
- Flat and proud lenses give designers a variety of looks
- Moveable mounting hardware easily slides along the length of the fixture providing variable mounting points
- High-performance up to 115 lm/W
- IK10 rated for demanding environments
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Attractive source of direct and indirect lighting
- 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
- Diffuse acrylic lens provides uniform illumination for visual comfort
- 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 (Downlight and 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: MX4UD - 12′00 - L8/835U/L8/835D - A/F - AC/D48 - OPTIONS - CONTROL/DIM - UNV

SERIES
MX4UD

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

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

LUMENS [2]	CRI	CCT	U or D
Single CCT or TW	**8** 80	**27** 2700K	**U** Uplight
L8 800lm	**9** 90	**30** 3000K	**D** Downlight
Single CCT only		**35** 3500K	
L12 1200lm		**40** 4000K	
L15 1500lm		**50** 5000K	
		TW Tunable white (3000K–5000K)	
		TW2 Tunable white (2700K-6500K)	

SHIELDING UP
- **A** Flat, semi-diffuse acrylic
- **F** Flat, diffuse acrylic [3]
- **FA** Flat with asymmetric optic

SHIELDING DOWN
- **F** Flat, diffuse acrylic
- **FA** Flat with asymmetric optic
- **P** Proud, diffuse acrylic with 5/16″ drop [4]

MOUNTING (EXAMPLE: AC/D48)

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/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 = MX4UD-12′00-L8/835U/L8/835D-**(L6U/L6D)**
- **GEN** Approved for UL 924 emergency generator circuit through-feed wiring [9]

CONTROL [5]
*Click **HERE** for control and sensor options.*
- – None

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

- **DIM** Driver with external 0-10V dimming wires. Entire fixture switches and dims together. [10]
- **DIM1** 1% Driver with external 0-10V dimming wires. [11]
- **DRV** Driver without external dimming wires. Entire fixture switches together. [12]

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

NOTES
1. Endcaps add 7/8″ to overall specified length.
2. Lumens per foot output based on A Shielding Up and F Shielding Down, 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA.
3. Recommended for use in applications where fixture will be viewed from above. Decreases lumen output.
4. Not available with corner configurations.
5. Sensor recommended for use in downlight orientation only. May reduce portion of lit fixture, consult factory.
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. (L4U/L4D) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
9. Not available with tunable white. Downlight orientation only. Maximum mounting height is 29.4′ (9.0 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
10. 0.1% Driver with tunable white.
11. Not available with tunable white.
12. Not available with tunable white.
13. Not available with tunable white or EM batteries.

MX4UD LED
4" Continuous Up/Down – Suspended

FIXTURE PERFORMANCE DATA

	PER FOOT				
	DELIVERED LUMENS			TOTAL WATTAGE	EFFICACY (lm/W)
	UP	DOWN	TOTAL		
L8/835U/L8/835D	851	824	1675	14.6	115
L8/835U/L12/835D	851	1175	2026	18.1	112
L8/835U/L15/835D	851	1439	2290	20.8	110
L12/835U/L8/835D	1187	824	2011	18.1	111
L12/835U/L12/835D	1187	1175	2362	21.6	109
L12/835U/L15/835D	1187	1439	2626	24.3	108
L15/835U/L8/835D	1439	824	2263	20.8	109
L15/835U/L12/835D	1439	1175	2614	24.3	108
L15/835U/L15/835D	1439	1439	2878	27.0	107

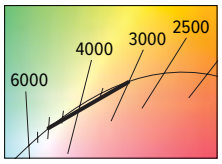
- Photometrics tested in accordance with IESNA LM-79. Results based on Results based on A Shielding Up and F Shielding Down, 80 CRI, 3500K for static white and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate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

MULTIPLIER TABLES

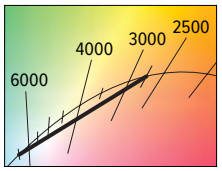
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

FA SHIELDING OPTION	
WATTAGE	EFFICACY (lm/W)
1.02	0.98

TW

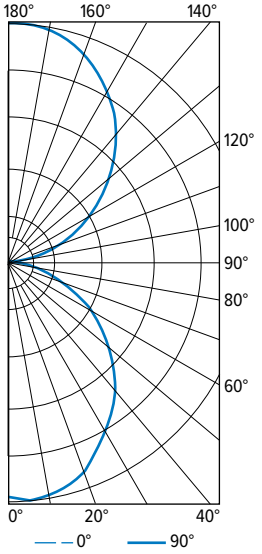


TW2



PHOTOMETRY

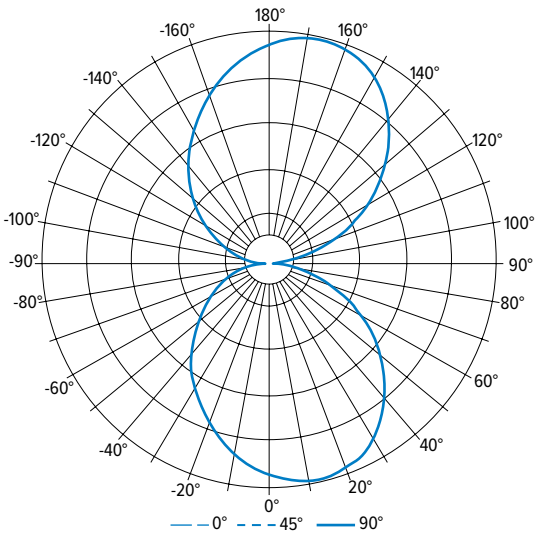
MX4UD-4'00-L8/835U/L8/835D-A/F-DIM Total Luminaire Output: 6732 lumens; 56.8 Watts | Efficacy: 119 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION							
	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1155	1155	1155	1155	1155	
	5	1175	1163	1135	1133	1145	109
	15	1123	1113	1091	1075	1081	309
	25	1026	1018	984	974	974	457
	35	879	873	847	829	821	531
	45	708	706	682	666	634	526
	55	533	521	497	489	483	449
	65	338	330	318	312	312	318
	75	161	153	145	149	141	161
	85	28	24	18	22	24	36
	90	6	6	12	6	6	
	95	58	68	70	62	56	71
	105	201	217	219	197	173	222
	115	400	427	447	394	360	411
	125	654	676	696	638	596	594
	135	938	948	950	905	861	712
	145	1149	1153	1161	1109	1085	711
	155	1302	1306	1312	1270	1246	595
	165	1380	1384	1398	1360	1344	388
	175	1396	1403	1429	1390	1370	133
	180	1398	1398	1398	1398	1398	

LUMEN SUMMARY			
	ZONE	LUMENS	% FIXTURE
	0 - 30	875	13
	0 - 40	1406	21
	0 - 60	2380	35
	0 - 90	2894	43
	90 - 120	704	11
	90 - 130	1298	19
	90 - 150	2721	40
	90 - 180	3838	57
	0 - 180	6732	100

MX4UD-4'00-L8/835U/L8/835D/-FA/FA-DIM-UNV Total Luminaire Output: 6501 lumens; 58.4 Watts | Efficacy: 111 lm/W | 80 CRI; 3500K CCT



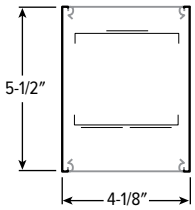
CANDLEPOWER DISTRIBUTION							
	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1153	1153	1153	1153	1153	
	5	1149	1175	1188	1175	1149	109
	15	1101	1185	1221	1185	1101	311
	25	1011	1135	1187	1135	1011	468
	35	881	1024	1083	1024	881	556
	45	726	868	922	868	726	566
	55	560	684	730	684	560	507
	65	384	481	516	481	384	387
	75	203	275	300	275	203	227
	85	50	86	100	86	50	68
	90	5	26	39	26	5	
	95	51	89	103	89	51	71
	105	210	284	310	284	210	234
	115	397	497	533	497	397	400
	125	578	706	754	706	578	524
	135	750	897	952	897	750	584
	145	910	1057	1118	1057	910	574
	155	1044	1172	1226	1172	1044	483
	165	1137	1223	1260	1223	1137	321
	175	1186	1213	1226	1213	1186	112
	180	1189	1189	1189	1189	1189	

LUMEN SUMMARY			
	ZONE	LUMENS	% FIXTURE
	0 - 30	887	14
	0 - 40	1443	22
	0 - 60	2516	39
	0 - 90	3198	49
	90 - 120	704	11
	90 - 130	1228	19
	90 - 150	2386	37
	90 - 180	3302	51
	0 - 180	6501	100

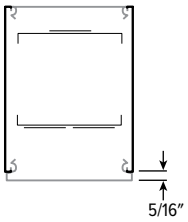
MX4UD LED
4″ Continuous Up/Down – Suspended

CROSS SECTIONS

FLAT (F OR A)

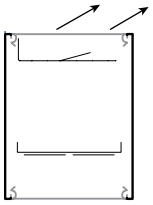


PROUD (P)

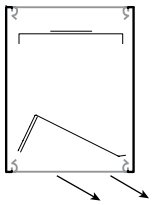


ASYMMETRIC (FA)

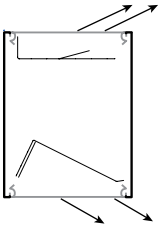
Up



Down



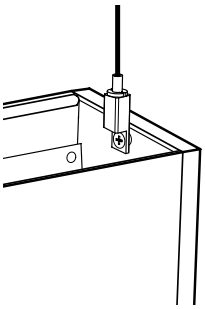
Up/Down



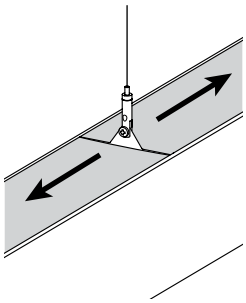
MOUNTING DETAILS

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

INDIRECT HANGER DETAILS

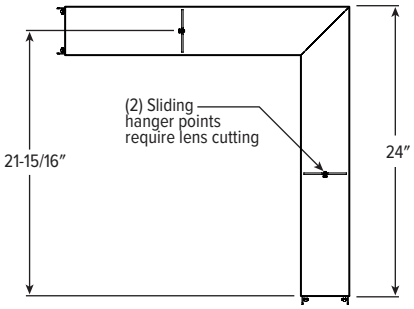


Standalone hanger



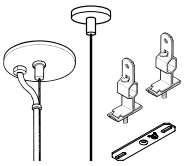
Joiner hanger slides to any position along the extrusion. Lens may be cut to fit around the hanger as needed.

CORNER DETAILS

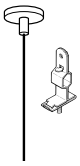


Note: Corner orientation determined in field. Feeder corner end cap shipped separately.

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

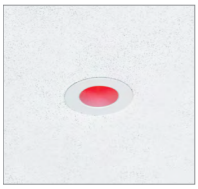
The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

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

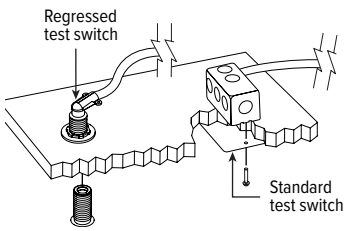


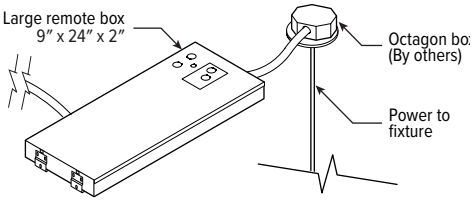
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

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





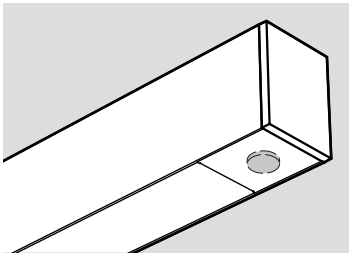
MX4UD LED
4" Continuous Up/Down – Suspended

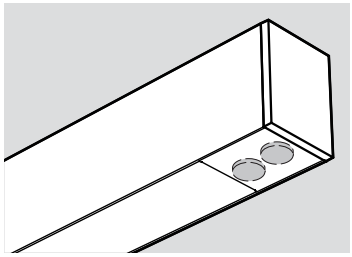
FINISH OPTIONS

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

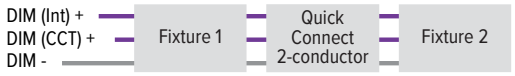
Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	Driver without external dimming wires prewired for non-dimming applications; 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 portions 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 portion only
DIMU/DRVD [1]	Up and down portions switch separately; driver with external dimming wires prewired for 0-10V low voltage applications on up portion only
DIMU/DIMD	Driver with external dimming wires prewired for 0-10V low voltage applications; up and down portions switch and dim separately
DRVDIMU [1]	Entire fixture switches together; driver with external dimming wires prewired for 0-10V low voltage applications on up portion only
DRVDIMD [1]	Entire fixture switches together; driver with external dimming wires prewired for 0-10V low voltage applications on down portion only
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)
DIM LINEU/DIM LINED [1]	Line voltage switching and line voltage dimming; up and down portions switch separately
DIM LINEU/DRVD [1]	Up and down portions switch separately; line voltage dimming on up portion only
DRVU/DIM LINED [1]	Up and down portions switch separately; line voltage dimming on down portion 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.

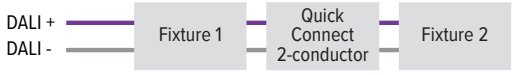
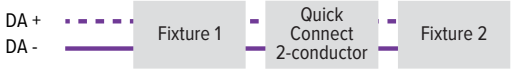
TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI



LD2