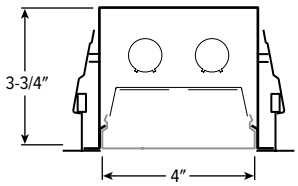
MX4R LED
4″ Continuous – Recessed



MX4RG Shown

CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT · IK10 Rated · CCEA Approved · WET/CC · 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
- High-performance up to 120 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
- 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.
- SHIELDING – Extruded diffuse acrylic lens.
- FINISH – 92% minimum average reflective white polyester 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. 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 – MX4RT: Drywall mount allowing for ceiling materials 1/4″ - 1-1/4″ thick. Fixture to be installed prior to drywall or finished ceiling material.
  MX4RG: NEMA Type “G” 15/16″ or 1″ grid standard.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - IC-rated for direct contact with insulation.
  - City of Chicago Environmental Air approved when specified with CP option
  - 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: MX4RTR - 8′00 - L8/835 - F - OPTIONS - CONTROL/DIM - UNV

SERIES
MX4R

FIXTURE STYLE
- **TR** Drywall or Hard Surface - Trim
- **TL** Drywall or Hard Surface - Trimless
- **G** Grid [1]

LENGTH
Lengths specified in feet and inches using 1″ increments, 2′ minimum.
Example: **8′00** = 8′-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

OPTIONS
- **EM/10W** 10-watt emergency battery [4]
- **EM/10WRM** Remote mount 10-watt emergency battery [5]
- **EM/10WRM/RTS** Remote mount 10-watt emergency battery with regressed test switch [6]
- **V90R** Vertical 90° corner, recessed [7]
- **V90G** Vertical 90° corner, grid [8]
- **CP** Chicago Plenum (CCEA)
- **(L__)** Additional lower lumen packages available [9]
  Example: 600 lumens = MX4RTR-8′00-L8/835-**(L6)**
- **WET/CC** Wet location under covered ceiling
- **GEN** Approved for UL 924 emergency generator circuit through-feed wiring [10]

CONTROL [11]
*Click **HERE** for control and sensor options.*
- – None

DRIVER
*See page 4 for **ADDITIONAL DRIVER OPTIONS**.*
- **DIM** Driver with external 0-10V dimming wires [12]
- **DIM1** 1% Driver with external 0-10V dimming wires [13]
- **DRV** Driver without external dimming wires [14]

VOLTAGE
- **120** 120V
- **277** 277V
- **UNV** 120-277V
- **347** 347V [15]

NOTES

1. Earthquake clips provided.
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 per foot may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
4. Not available with fixtures less than 4′.
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. 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.
7. Connects MX4RT to vertically mounted MX4RT. Ships separately. Extended lead times may apply. Consult factory for availability.
8. Connects MX4RG to vertically mounted MX4RT. Extended lead times may apply. Consult factory for availability.
9. (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
10. Not available with tunable white. Maximum mounting height is 29.4′ (9.0 m). Minimum lumen output is 800 lm/ft. See hew.com/UL924 for details.
11. May reduce portion of lit fixture, consult factory.
12. 0.1% Driver with tunable white.
13. Not available with tunable white.
14. Not available with tunable white.
15. Not available with tunable white or EM batteries.

MX4R LED
4" Continuous – Recessed

FIXTURE PERFORMANCE DATA

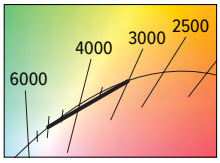
	MX4RTL/MX4RTR: PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L8	874	7.3	120
L12	1289	10.9	118
L15	1601	13.7	117

- 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 table to calculate additional options.

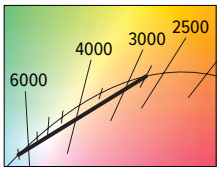
MULTIPLIER TABLES

	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

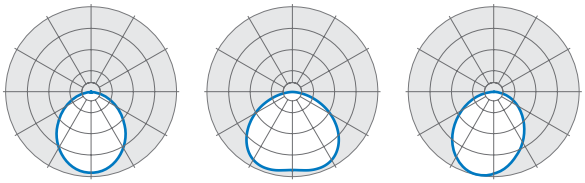


TW2

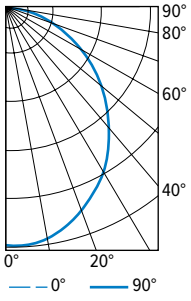


PHOTOMETRY

FLAT (F) WIDESPREAD (FW) ASYMMETRIC (FA)



MX4RG-4'00-L8/835-F-DIM Total Luminaire Output: 3496 lumens; 29.2 Watts | Efficacy: 120 lm/W | 80 CRI; 3500K CCT

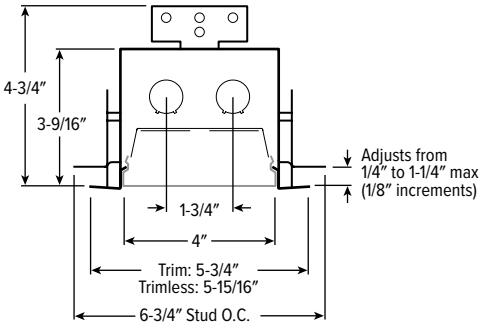


CANDLEPOWER DISTRIBUTION					
	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	1431	1431	1431	
	5	1439	1413	1411	135
	15	1373	1339	1331	379
	25	1227	1207	1189	555
	35	1053	1021	1003	643
	45	844	826	792	634
	55	634	596	586	540
	65	394	380	368	378
	75	180	178	180	191
	85	28	28	28	41
	90	2	0	0	

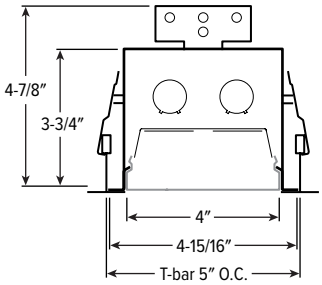
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1069	31
	0 - 40	1712	49
	0 - 60	2886	83
	0 - 90	3496	100
	0 - 180	3496	100

CROSS SECTIONS

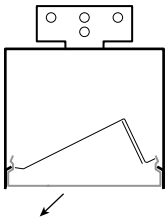
MX4RT



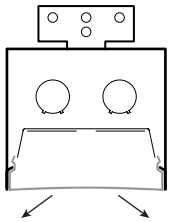
MX4RG



ASYMMETRIC (FA)



WIDESPREAD (FW)

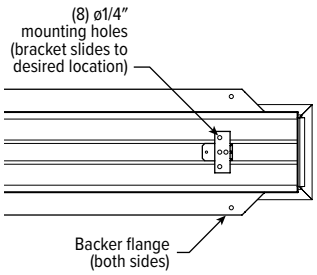


MX4R LED
4″ Continuous – Recessed

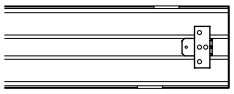
FIXTURE DETAILS

BACK VIEWS

MX4RT

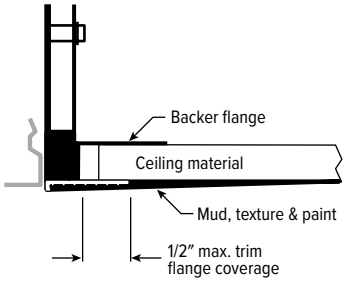


MX4RG

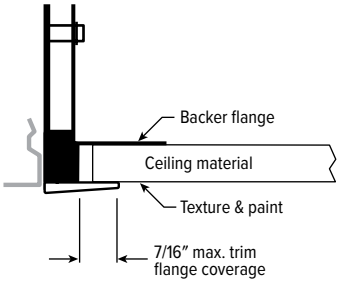


TRIM FINISH DETAILS (MX4RT only)

Trimless



Trim

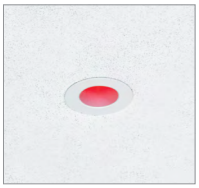


ROUGH-IN DIMENSIONS

- Framing allowance for width (stand-alone) is 5-3/4″ ± 1/4″.
- Framing allowance for length (All Types) is length plus 1-1/2″ minimum.

REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

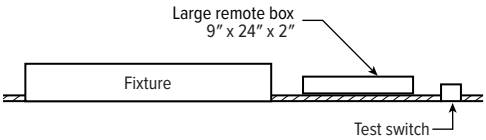


Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

Max remote distance is 50′, connection by others.

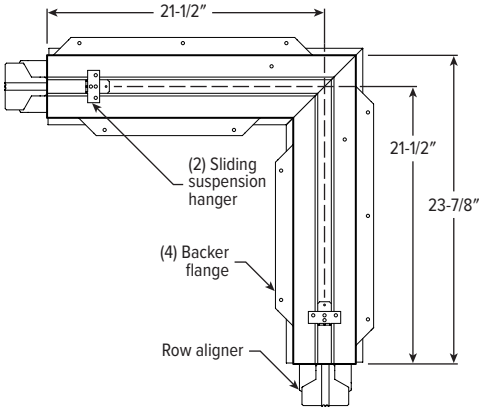


CORNER DETAILS

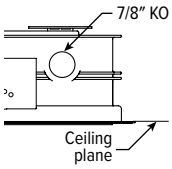
Note: Corner orientation determined in field. Feeder corner end cap shipped separately.

MX4RT90

BACK VIEW

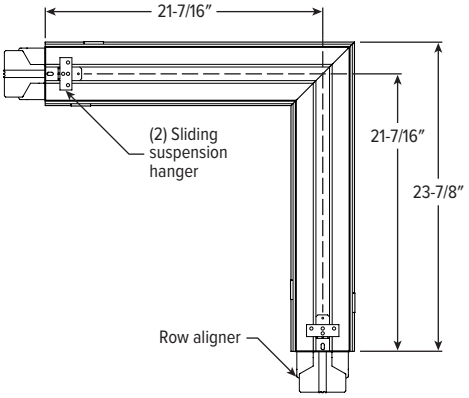


SIDE VIEW

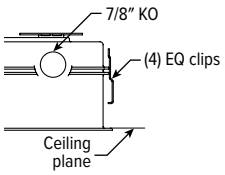


MX4RG90

BACK VIEW

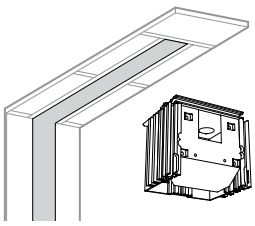


SIDE VIEW

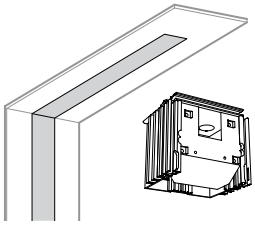


TRANSITION CORNERS

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



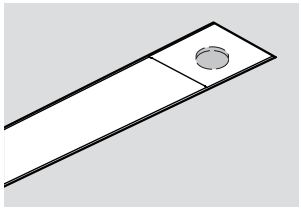
V90G



V90R

MX4R LED
4" Continuous – Recessed

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

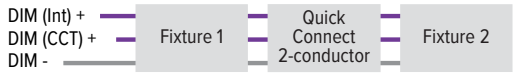
Note: Restrictions may apply, consult product builder at hew.com/product-builder

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.

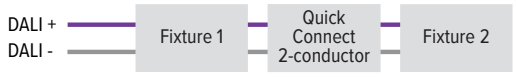
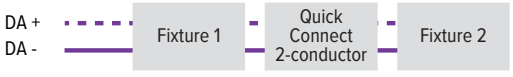
TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI



LD2