MX4R tunable WHITE
4″ Continuous – Recessed

Williams

3-3/4″

4″

MX4RG Shown

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT | CCEA Approved | WET/CC

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Create elegant spaces with a seamless, continuous row of illumination
- Specify in one inch increments to create a perfect fit
- High-performance up to 130 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
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – Extruded aluminum.
- SHIELDING – Extruded, flat, 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 board. L70 > 60,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses. 50/60 Hz constant current driver.
- 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.
  - City of Chicago Environmental Air approved when specified with CP option.
  - 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 - L8/8TW - F - OPTIONS - CONTROL/DALI - UNV

SERIES	FIXTURE STYLE	ILLUMINATED LENGTH
MX4R	**TR** Drywall or Hard Surface - Trim	Lengths specified in feet and inches using 1″ increments, 2′ minimum. Example: **8′00** = 8′-0″
	TL Drywall or Hard Surface - Trimless	
	G Grid [1]	

Product Builder

Easily build shapes & simplify ordering with the Williams Linear Product Builder at hew.com/product-builder [2]

LUMENS [3]	COLOR	SHIELDING	OPTIONS [4]	
L8 800lm	**8TW** Tunable white (80 CRI, 3000K-5000K)	**F** Flat, diffuse acrylic	**EM/10W**	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
			V90R	Vertical 90° corner, recessed [6]
			V90G	Vertical 90° corner, grid [7]
			CP	Chicago Plenum (CCEA)
			ASY	Asymmetric distribution [8]
			(L__)	Additional lower lumen packages available [9] Example: 600 lumens = MX4RTR-8′00-L8/8TW-**(L6)**
			WET/CC	Wet location under covered ceiling

CONTROL [10]

See page 4 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only [11]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [12]

DRIVER

See page 5 for DRIVER DETAILS.

DALI	Driver prewired for DALI applications
DIM	(1) 0-10V signal to control dimming (1) 0-10V signal to control CCT
DMX	Driver prewired for DMX applications
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2). [13]
LD2	Lutron DALI-2 digital driver, 1%

VOLTAGE

120	120V
277	277V
UNV	120-277V

NOTES

1. Earthquake clips provided.
2. See page 3 for CORNER DETAILS.
3. Lumens per foot output based on F shielding, 80 CRI/4000K CCT. Actual performance may vary ±5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
4. 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 2 for REMOTE MOUNT BATTERY DETAILS.
5. Not available with fixtures less than 4′.
6. Connects MX4RT to vertically mounted MX4RT. Ships separately. Extended lead times may apply. Consult factory for availability.
7. Connects MX4RG to vertically mounted MX4RT. Extended lead times may apply. Consult factory for availability.
8. Available with F shielding only. Creates uneven lens illumination. See page 2 for CROSS SECTIONS.
9. (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
10. Reduces portion of lit fixture, consult factory. See page 4 for SENSOR & NODE PLACEMENT DETAILS.
11. DSR and LD2 Drivers only.
12. DSR and LD2 Drivers only.
13. Lutron Athena Controls only.

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MX4R

tunable WHITE
4″ Continuous – Recessed

FIXTURE PERFORMANCE DATA

PER FOOT		
DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
870	6.7	130

- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI/4000K CCT, 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 TABLE

	CONVERSION FACTOR	
CCT	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04
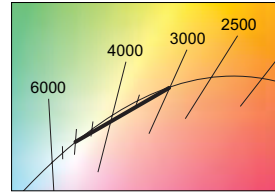
PHOTOMETRY

**MX4RG-4′00-L8/8TW-F-DALI** Total Luminaire Output: 3480 lumens; 26.8 Watts | Efficacy: 130 lm/W | 80 CRI; 4000K CCT
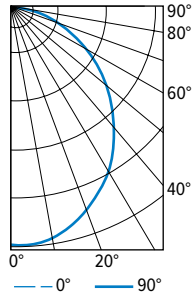
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1424	1424	1424	
5	1432	1406	1404	134
15	1366	1332	1324	377
25	1221	1201	1183	553
35	1048	1016	998	640
45	840	823	789	631
55	631	594	584	537
65	392	378	366	376
75	179	177	179	190
85	28	28	28	41
90	2	0	0	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	1064	31
0 - 40	1704	49
0 - 60	2873	83
0 - 90	3480	100
0 - 180	3480	100

MX4RG-4′00-L8/8TW-F-ASY Total Luminaire Output: 3089 lumens; 26.8 Watts | Efficacy: 115 lm/W | 80 CRI; 4000K CCT
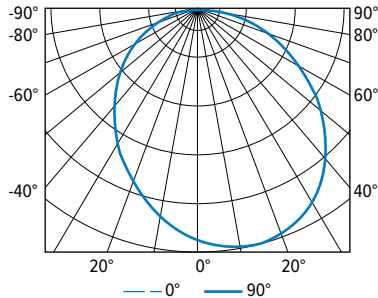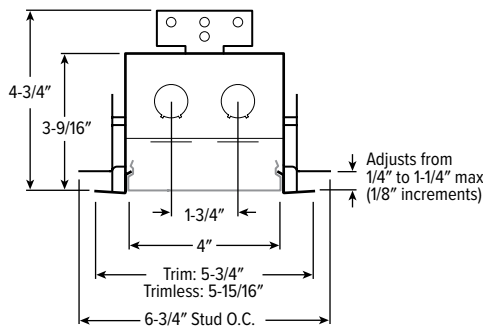
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0º	45º	90º	135º	180º	
0	1114	1114	1114	1114	1114	
5	1110	1135	1148	1135	1110	105
15	1064	1145	1179	1145	1064	300
25	977	1097	1147	1097	977	452
35	851	989	1046	989	851	537
45	702	839	891	839	702	547
55	541	661	705	661	541	490
65	371	465	499	465	371	374
75	196	266	290	266	196	219
85	48	83	96	83	48	65
90	2	12	18	12	2	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	857	28
0 - 40	1394	45
0 -60	2431	79
0 - 90	3089	100
0 - 180	3089	100

CROSS SECTIONS

MX4RT

4-3/4″
3-9/16″
Adjusts from 1/4″ to 1-1/4″ max (1/8″ increments)
1-3/4″
4″
Trim: 5-3/4″
Trimless: 5-15/16″
6-3/4″ Stud O.C.

ASY OPTION

MX4RG

4-7/8″
3-3/4″
4″
4-15/16″
T-bar 5″ O.C.

ASY OPTION

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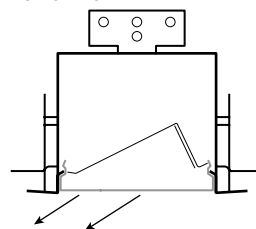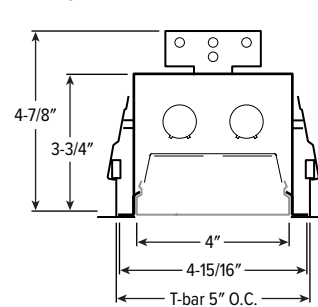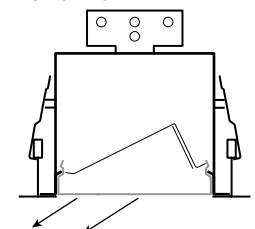
MX4R tunable WHITE
4" Continuous – Recessed

FIXTURE DETAILS

BACK VIEWS

MX4RT

(8) ø1/4"
mounting holes
(bracket slides to
desired location)

Backer flange
(both sides)
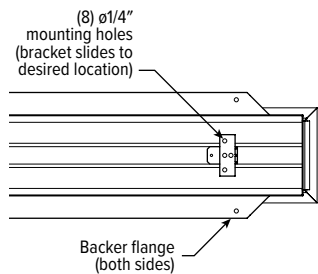
MX4RG
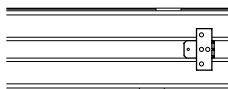
TRIM FINISH DETAILS (MX4RT only)

Trimless

Backer flange

Ceiling material

Mud, texture & paint

1/2" max. trim
flange coverage

Trim

Backer flange

Ceiling material

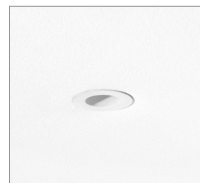Texture & paint

7/16" max. trim
flange coverage
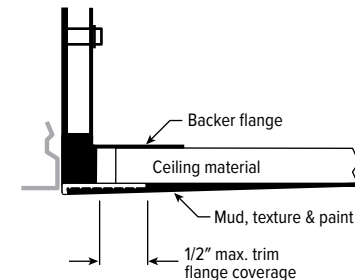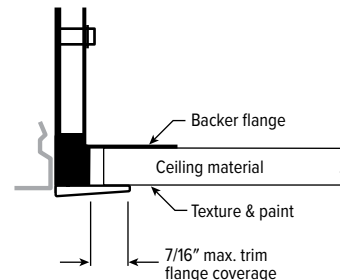
ROUGH-IN DIMENSIONS

- 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.
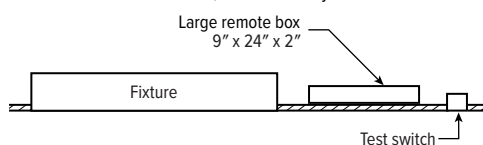
REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

Regressed test switch
ø1-3/4"

EM/10WRM

Push To Test

Charge Indicator

Standard test switch
2-3/4" x 4-1/2"

Max remote distance is 50', connection by others.
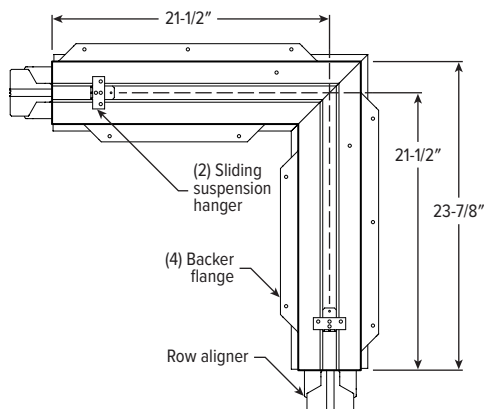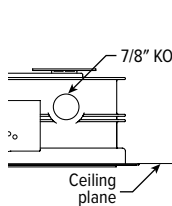
Large remote box
9" x 24" x 2"

Fixture

Test switch

CORNER DETAILS

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

MX4R90T

BACK VIEW

21-1/2"
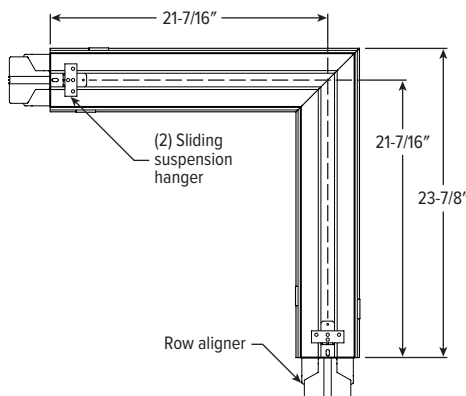
21-1/2"
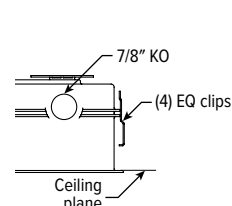
23-7/8"

(2) Sliding
suspension
hanger

(4) Backer
flange

Row aligner

SIDE VIEW

7/8" KO

Ceiling
plane

MX4R90G

BACK VIEW

21-7/16"

21-7/16"

23-7/8"

(2) Sliding
suspension
hanger

Row aligner

SIDE VIEW

7/8" KO

(4) EQ clips

Ceiling
plane

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

V90G

V90R
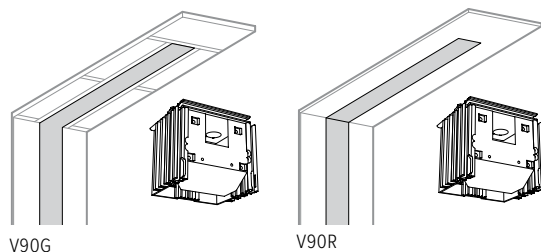
SENSOR & NODE PLACEMENT DETAILS
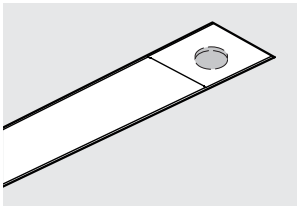
ADDITIONAL CONTROL OPTIONS

Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory.

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

SPECIFICATIONS

TYPE	Radio Frequency
MOUNTING HEIGHT	8′ – 12′
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron

SENSOR COVERAGE PATTERNS

9′ height: ø12′ coverage
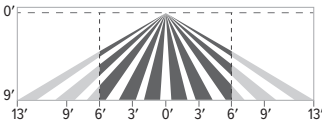
Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8′	114
9′	144
10′	178
12′	256

SENSOR DETAIL
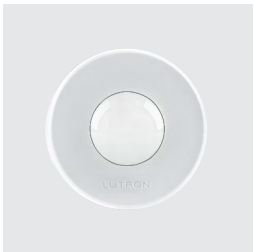
Dimensions: ø1-1/8″

ATHENA CONTROL OPTIONS

| CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.

OCCWS-FS-305-L6-PP-120/277 Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V

SPECIFICATIONS

TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	8′
LENS	Indoor, non-wet location use
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

SENSOR COVERAGE PATTERNS

8′ height: ø20′ coverage
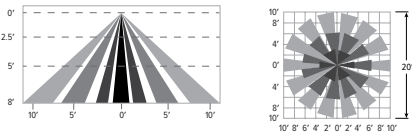
SENSOR DETAIL

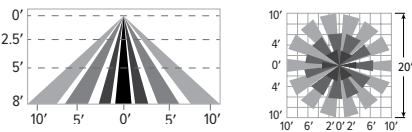
Dimensions: ø1-5/16″

OCCWS-LMFS-601-PP-120/277 Wattstopper PIR motion and daylight sensor with power pack, 120/277V

SPECIFICATIONS

TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8′ – 12′
LENS	Up to 300 sq/ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS

8′ height: ø20′ coverage

SENSOR DETAIL

Dimensions: ø1-5/16″

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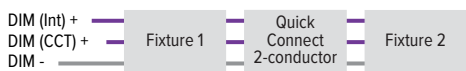
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MX4R tunable WHITE
4" Continuous – Recessed

DRIVER DETAILS

DIM

DIM (Int) +
DIM (CCT) +
DIM -

| Fixture 1 | Quick Connect 2-conductor | Fixture 2 |

DALI

DALI +
DALI -

| Fixture 1 | Quick Connect 2-conductor | Fixture 2 |

DMX

RJ45 Ports (IN/OUT)

| Fixture (Master) | Quick Connect Ethernet cable | Fixture (Satellite) |

LD2

DA +
DA -

| Fixture 1 | Quick Connect 2-conductor | Fixture 2 |

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