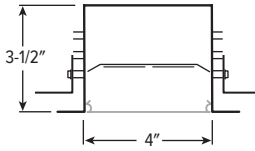


# MX4RW LED 4" Continuous – Recessed Shallow Wall or Hard Surface



CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Create elegant spaces with a seamless, continuous row of illumination
- Designed for 3-1/2" shallow drywall or hard surface frames
- High-performance up to 121 lm/W
- Versatile MX4 system includes recessed, surface, suspended and in-wall mounting, see [hew.com](http://hew.com)
- Diffuse acrylic lens provides uniform illumination for visual comfort
- Available with Avi-on wireless fixture controls
- Available with BIOS® SkyBlue® technology to support proper daytime circadian stimulus
- 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 boards. L70 >60,000 hours per IES TM-21.
- MOUNTING – Drywall mount allowing for materials 1/4" - 2" thick. Fixture to be installed prior to drywall or finished hard surface material.
- LISTINGS – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).



## ORDERING EXAMPLE: MX4RWTR - 8'00 - L8/835 - F - OPTIONS - CONTROL/DIM - UNV

SERIES	FIXTURE STYLE	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT
MX4RW	TR Drywall or Hard Surface - Trim	Lengths specified in feet and inches using 4" increments, 2' minimum.	L8 800lm	8 80	27 2700K
	TL Drywall or Hard Surface - Trimless	Example: 8'00 = 8'-0"	L12 1200lm	9 90 <sup>[2]</sup>	30 3000K
			L15 1500lm		35 3500K
					40 4000K
					50 5000K

**Product Builder**  
Simplify ordering & layout design with the Williams Linear Product Builder at [hew.com/product-builder](http://hew.com/product-builder)

SHIELDING	OPTIONS
F Flat, diffuse acrylic	EM/7WRM Remote mount 7-watt emergency battery
	EM/10W 10-watt emergency battery <sup>[3]</sup>
	EM/10WRM Remote mount 10-watt emergency battery
	V90 Vertical 90° corner, suspended <sup>[4]</sup>
	V90R Vertical 90° corner, recessed <sup>[5]</sup>
	V90G Vertical 90° corner, grid <sup>[6]</sup>
	(L_) Additional lower lumen packages available <sup>[7]</sup> Example: 1000 lumens = MX4RWTR-8'00-L12/835-(L10)

CONTROL <sup>[8]</sup>	DRIVER <sup>[9]</sup>	VOLTAGE
– None	DIM Driver with external dimming wires	120 120V 277 277V
AVI-LVFA Avi-on wireless fixture control <sup>[10]</sup>	DRV Driver without external dimming wires	UNV 120-277V 347 347V <sup>[16]</sup>
AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor <sup>[11]</sup>	DA Driver with 12V auxiliary power, without external dimming wires <sup>[14]</sup>	
VDO Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>[12]</sup>	DSR Sensor-ready driver without external dimming wires <sup>[15]</sup>	
VRF Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>[13]</sup>		

## NOTES

- <sup>1</sup> Lumens per foot output based on 3500 CCT and F shielding. Actual lumens per foot may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- <sup>2</sup> Extended lead times may apply. Consult factory for availability.
- <sup>3</sup> L8 only. Not available with fixtures less than 4'.
- <sup>4</sup> Connects MX4D to vertically mounted MX4RW. See page 3 for CORNER DETAILS. Ships separately.
- <sup>5</sup> Transitions MX4RT to vertically mounted MX4RW. See page 3 for CORNER DETAILS. Ships separately.
- <sup>6</sup> Connects MX4RG to vertically mounted MX4RW. See page 3 for CORNER DETAILS. Ships separately.
- <sup>7</sup> (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>8</sup> Reduces portion of lit fixture, consult factory. See page 5 for ADDITIONAL CONTROL OPTIONS. See page 4 for SENSOR PLACEMENT DETAILS. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- <sup>9</sup> See page 5 for ADDITIONAL DRIVER OPTIONS.
- <sup>10</sup> DA driver only.
- <sup>11</sup> DA driver only.
- <sup>12</sup> DSR or LDE Drivers only. LDE drivers require driver interface.
- <sup>13</sup> DSR or LDE Drivers only. LDE drivers require driver interface.
- <sup>14</sup> Avi-on Controls only.
- <sup>15</sup> VDO and VRF Controls only.
- <sup>16</sup> Not available with EM batteries or control sensors.

# MX4RW<sup>LED</sup> 4" Continuous – Recessed Shallow Wall or Hard Surface

## FIXTURE PERFORMANCE DATA

	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
<b>L8</b>	888	7.3	121.7
<b>L12</b>	1247	10.8	116.4
<b>L15</b>	1517	13.5	112.5

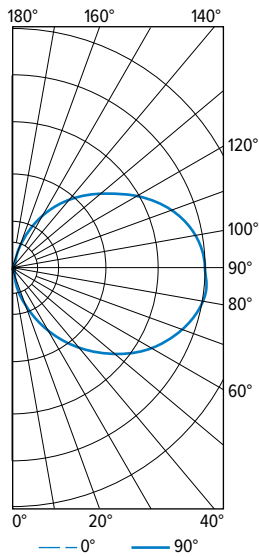
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on F shielding, 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
<b>80 CRI</b>	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
<b>90 CRI</b>	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

## PHOTOMETRY

**MX4RWTR-4'00-L12/835-F-DIM** Total Luminaire Output: 4811 lumens; 43.2 Watts | Efficacy: 111.4 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	0	0	0	
	5	94	44	0	3
	15	311	176	0	25
	25	579	347	0	77
	35	879	524	0	155
	45	1191	719	0	257
	55	1469	888	0	368
	65	1695	1020	0	470
	75	1863	1114	0	549
	85	1930	1155	0	585
	90	1907	1138	0	
	95	1896	1138	0	576
	105	1772	1078	0	525
	115	1566	962	0	439
	125	1296	816	0	335
	135	1031	642	0	229
	145	750	466	0	135
	155	463	295	0	63
	165	204	141	0	18
	175	17	22	0	2
	180	0	0	0	

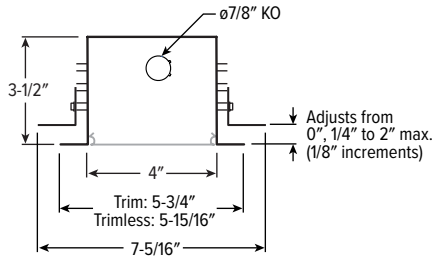
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	104
	0 - 40	259	5
	0 - 60	885	18
	0 - 90	2488	52
	90 - 120	1541	32
	90 - 150	2240	47
	90 - 180	2323	48
	0 - 180	4811	100



# MX4RW LED

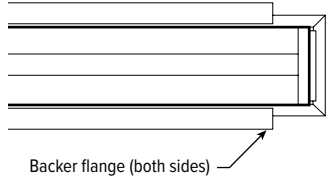
## 4" Continuous – Recessed Shallow Wall or Hard Surface

### CROSS SECTION



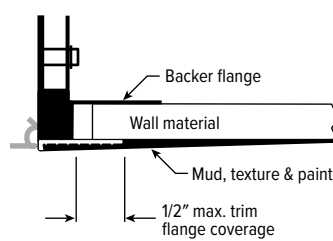
### FIXTURE DETAILS

#### BACK VIEW

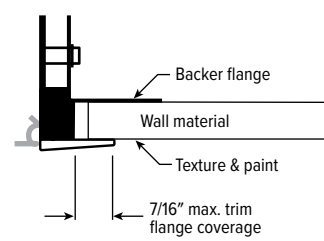


#### TRIM FINISH DETAILS

##### Trimless



##### Trim



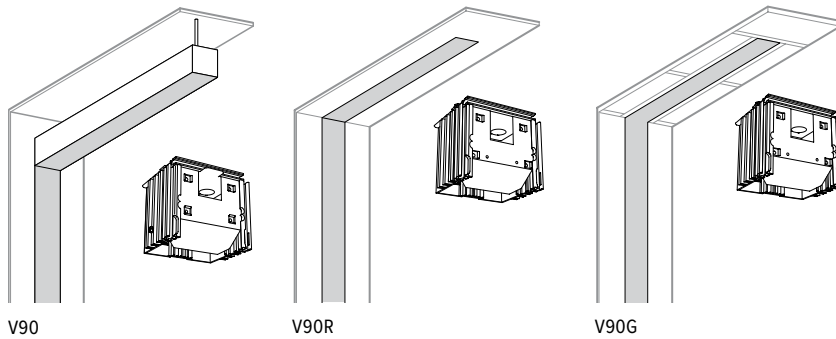
#### ROUGH-IN DIMENSIONS

- Framing allowance for width is 5-3/4"  $\pm$  1/4".
- Framing allowance for length is total length plus 1-1/2" minimum.

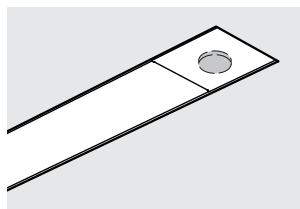
### CORNER DETAILS

#### TRANSITION CORNERS

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



### SENSOR PLACEMENT DETAILS



# MX4RW LED 4" Continuous – Recessed Shallow Wall or Hard Surface

## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### AVI-ON NETWORK FEATURES

#### Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

#### Scalable

- Virtually unlimited network size
- Spans small areas to large warehouses
- Flexible control strategies

#### Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

### DIGITAL INSTALLATION TOOLS

Avi-On mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

### SYSTEM COMPONENTS



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### ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered
CONNECTIVITY	
AVI-2001RAB-01-P	Remote access bridge for projects 100 or greater
AVI-2001RAB-01-C	Remote access bridge for projects less than 100
AVI-KIT-NTM	Network time manager with Battery Backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)

### AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

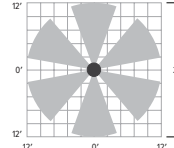
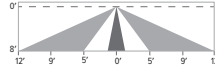
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On

Bluetooth® Lighting Controls

### SENSOR COVERAGE PATTERNS

Side View

8' height: ø24' coverage



### SENSOR DETAIL



# MX4RW LED

4" Continuous – Recessed Shallow Wall or Hard Surface

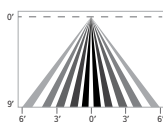
## ADDITIONAL CONTROL OPTIONS

**VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC). DSR or LDE Drivers only. LDE drivers require driver interface

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	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



## VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
VRF/DBI	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver

## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Dimming driver with 12V auxiliary
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

