

# MXG2RTR1

## MX G2 Warm Dim Recessed Multiple (1) Head with New Construction Frame-In

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

### ELECTRICAL DATA (PER HEAD)

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **
WD1	13.5W	3000K-1800K / 92 CRI	1000lm

\*System Wattage includes driver and LED Module consumption. \*\*Delivered lumens will vary depending on trim, CCT, CRI, optic and ceiling thickness

### LED LIGHT ENGINE

- Halogen style profile that warms as it dims
- 3000K at full intensity to 1800K at lowest dim level
- 50,000 hours L70 (rated life at 70% output)

### OPTICS

- Field changeable optics: 24°, 30°, 45°

### ELECTRICAL

- Dedicated voltage options of 120V or 277V. Must be specified in catalog code. Power factor >.9 50/60Hz
- (IC/CP Only) Universal 120V/277V input; Power factor >.9 50/60Hz
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

### DIMMING

- Phase dimming, forward 1% & reversed 5% (120V only)
- 0-10V Dimming 1%
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)
- DMX512 RDM 0.1%

### FRAME-IN (MUST ORDER SEPARATELY)

Frame-in types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Frame-in is equipped with quick connect to trim assembly for easy installation. Junction box is accessible from below the ceiling.

### INSTALLATION

Luminaire can accommodate up to 1" ceiling thickness. Luminaire is supplied with butterfly brackets to allow up-to 3" vertical adjustment. Compatible with C-channel, flat bar, wood joist bar and EMT. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings. Max. ambient temperature: 95°F (35°C).

### TRIM ASSEMBLY

Trim assembly includes integral power supply for each individual head. Quick connection supplied for easy installation and wiring to frame-in. Ease of installation and maintenance with access to power supply. Mounts to frame-in via heavy duty torsion springs.

### ACCESSORIES

Luminaire will accommodate (2) accessories per head, accessory holder required. Must order one accessory holder and accessory per head, see page 2.

### EMERGENCY

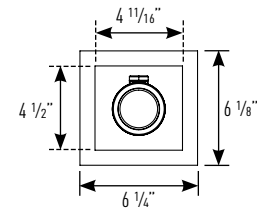
Remote test switch included. External battery operates one LED load of up to 7W at a minimum of 500 lumens for 90 minutes. (Note: EM not available with Chicago Plenum.)

### LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp locations.
- (-IC Only) Air-Tight Certified ASTM E283
- (-IC Only) ETL listed for direct contact with insulation
- (-CP Only) CCEA Chicago Plenum
- 5-Year Intense LED Limited Warranty



MX



Frame-in dimensions are on Page 2

Ceiling Cut Out: 5 1/2" x 5 1/2"

Horizontal Adjustability: 360°

Vertical Adjustability: 30°

Trim Part Number (Example: MXG2RTR1WD1-NFWWDIM-S)

Trim	System Wattage	Optic	Head Finish	Flange Finish	Driver	Option
MXG2RTR1	WD1 (13.5W Per Head)	-NF (24° Narrow Flood)	B (Black)	B (Black)	DIM1 (Phase Dimming)	-EM7 <sup>2</sup> (7W Emergency Backup IOTA part #ILB-CP07-A)
		-FL (30° Flood)	W (White)	W (White)	D101 (0-10V Dimming 1%)	
		-WF (45° Wide Flood)			ED10V1 (eldoLED 0-10V 1%)	-S <sup>3</sup> (Integral 1" Snoot)
					ED10V01 (eldoLED 0-10V 0.1%)	
					LUT (Lutron® LDE1 EcoSystem 1%)	
			LUT2 <sup>1</sup> (Lutron® LTEA2W 2-Wire 1%)			
			DMXR (DMX512 RDM 0.1%)			

Frame-In Part Number (Example: IP2-4FK-1D101)

Frame-In Type	Dimming Type (IC/CP only)	Voltage	Options
IP2-4FK-1 (Non-IC)	blank (ELV or Non-IC)	blank (120V)	I100 (C-Channel Bar Hangers)
IP2-4FK-1IC (Air-Tight IC)	D101 (0-10V Dimming)	27 (277V)	I200 (Flat Bar Hangers)
IP2-4FK-1CP (Chicago Plenum)	LUT (Lutron® LDE1 EcoSystem 1%)		I400 (Wood Joist Bar Hangers)
	LUT2 <sup>1</sup> (Lutron® LTEA2W 2-Wire 1%)		EM7 (Remote Emergency Unit)
	DMXR (DMX512 RDM 0.1%)		

#### Notes:

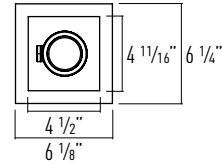
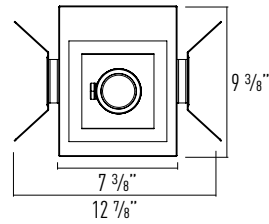
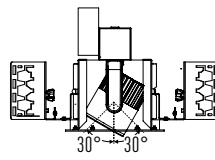
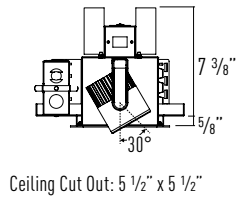
- Dimming available in 120V only
- EM not available with Chicago Plenum
- Snoot is integral to fixture and factory installed. Snoot's interior is black and compatible with accessory holder, black accessory holder recommended

# MXG2RTR1WD

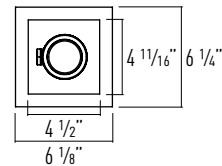
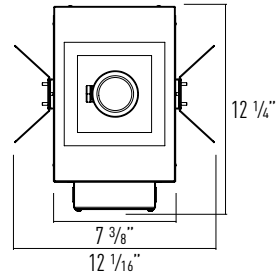
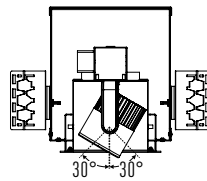
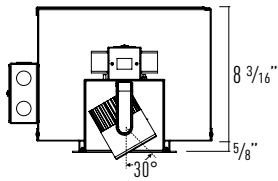
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## NON-IC DIMENSIONS



## AIR TIGHT IC & CCEA CHICAGO PLENUM DIMENSIONS



## ACCESSORIES

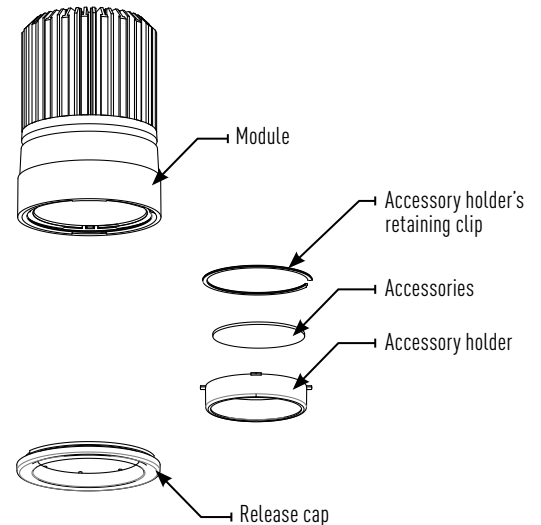
Luminaire will accommodate (2) accessories per head, accessory holder required. Must order one accessory holder and accessory per head.

## INSTALLATION

1. Rotate release cap by turning counter clockwise.
2. Install accessories into accessory holder and replace accessory holder's retaining clip.
3. Place accessory holder and accessory flush against optic and replace release cap.

### Accessories

LH47	(Accessory Holder, Black)
LH47W	(Accessory Holder, White)
PFLMB-47	(Hex Louver, Black)
PFL1-47	(Prismatic Spread Lens)
PFL2-47	(Linear Spread Lens)
PFL4-47	(Soft Focus Lens)

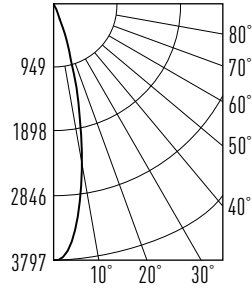


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## MXG2RTR1WD1

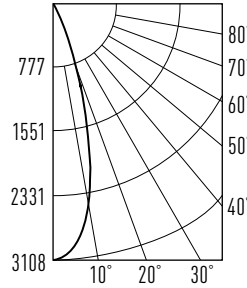
Report #: ILL20181108-4.002 (-24)  
 ILL20181108-3.002 (-30)  
 ILL20181108-5.002 (-45)

### 24° Narrow Flood (-24)



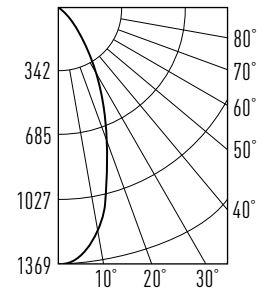
Watts: 13.5  
 Lumens: 990  
 LPW: 73  
 CCT: 3000K

### 30° Flood (-30)



Watts: 13.5  
 Lumens: 1038  
 LPW: 77  
 CCT: 3000K

### 45° Wide Flood (-45)



Watts: 13.4  
 Lumens: 896  
 LPW: 66  
 CCT: 3000K

Intensity	
Degree	Candela
0°	3797
5°	3431
15°	1495
25°	413
35°	84
45°	12

Intensity	
Degree	Candela
0°	3108
5°	2944
15°	1646
25°	481
35°	92
45°	22

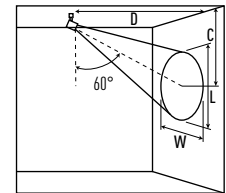
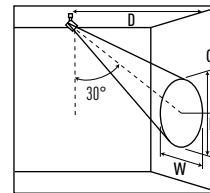
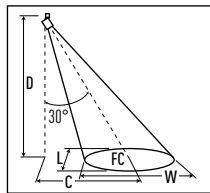
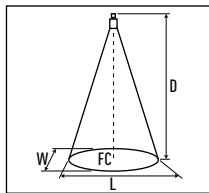
Intensity	
Degree	Candela
0°	1369
5°	1325
15°	1001
25°	534
35°	219
45°	84

### APPLICATION DATA:

**W** and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

- W** Beam width
- L** Beam length
- C** Distance to center of beam
- D** Distance
- FC** Foot candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



	24°				30°				45°					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
<b>MXG2WD1-24</b> 3000K 24° Spot	6'	105	2.8'	2.8'	6'	3.5'	68.5	3.7'	3.2'	3.0'	5.2'	52.7	2.8'	6.6'
	8'	59	3.7'	3.7'	8'	4.6'	38.5	5.0'	4.3'	4.0'	6.9'	29.7	3.7'	8.8'
	10'	38	4.6'	4.6'	10'	5.8'	24.7	6.2'	5.3'	5.0'	8.7'	19.0	4.6'	10.9'
	12'	26	5.5'	5.5'	12'	6.9'	17.1	7.5'	6.4'	6.0'	10.4'	13.2	5.5'	13.1'
<b>MXG2WD1-30</b> 3000K 30° Narrow Flood	6'	86	3.4'	3.4'	6'	3.5'	56	4.6'	3.9'	3.0'	5.2	43	3.4	8.8
	8'	49	4.5'	4.5'	8'	4.6'	32	6.1'	5.2'	4.0'	6.9	24	4.5	11.7
	10'	31	5.6'	5.6'	10'	5.8'	20	7.6'	6.5'	5.0'	8.7	16	5.6	14.6
	12'	22	6.7'	6.7'	12'	6.9'	14	9.2'	7.7'	6.0'	10.4	11	6.7	17.5
<b>MXG2WD1-45</b> 3000K 45° Flood	6'	38	4.8'	4.8'	6'	3.5'	25	6.7'	5.5'	3.0'	5.2'	19	4.8'	18.1'
	8'	21	6.4'	6.4'	8'	4.6'	14	8.9'	7.3'	4.0'	6.9'	11	6.4'	24.1'
	10'	14	7.9'	7.9'	10'	5.8'	9	11.2'	9.2'	5.0'	8.7'	7	7.9'	30.2'
	12'	10	9.5'	9.5'	12'	6.9'	6	13.4'	11.0'	6.0'	10.4'	5	9.5'	36.2'