

# MXG2RTLSQ4

MX G2 Warm Dim Recessed Multiple Trimless (4) Head 10" x 10" with New Construction Frame-In

## 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

- (Non-IC) 120V or 277V input; Power factor >.9 50/60Hz
- (-IC) 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® LTA2W 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 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. Perforated mesh frame provided with frame-in kit, adheres to joint compound for seamless and trimless mounting.

## INSTALLATION

Luminaire can accommodate up to 1" ceiling thickness. Luminaire is supplied with butterfly brackets to allow up-to 3" vertical adjustment. Compatible with flat bar, wood joist bar and EMT. Bar hangers must be ordered separately. Max. ambient temperature: 122°F (50°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

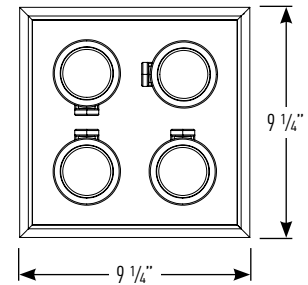
Remote test switch included. External battery operates one LED load of up to 7W at a minimum of 500 lumens for 90 minutes. (Note: EM not available with Chicago Plenum.)

## 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
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified <sup>1</sup>



MX



Frame-in dimensions are on Page 2

Ceiling Cut Out: 10 1/4" x 10 1/4"

Horizontal Adjustability: 360°

Vertical Adjustability: 30°

Trim Part Number (Example: MXG2RTL4WD1-NFWDIM-S)

| Trim       | System Wattage       | Optic                                                             | Head Finish            | Driver                                                                                                                                                                                                                               | Option                                                                                                    |
|------------|----------------------|-------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| MXG2RTLSQ4 | WD1 (13.5W Per Head) | -NF (24° Narrow Flood)<br>-FL (30° Flood)<br>-WF (45° Wide Flood) | B (Black)<br>W (White) | DIM <sup>1</sup> (Phase Dimming)<br>D101 (0-10V Dimming 1%)<br>ED10V1 (eldoLED 0-10V 1%)<br>ED10V01 (eldoLED 0-10V 0.1%)<br>LUT (Lutron® LDE1 EcoSystem 1%)<br>LUT2 <sup>1</sup> (Lutron® LTA2W 2-Wire 1%)<br>DMXR (DMX512 RDM 0.1%) | -EM7 (7W Emergency Backup <a href="#">[OTA part #ILB-CP07-A]</a> )<br>-S <sup>2</sup> (Integral 1" Snoot) |

Frame-In Part Number (Example: IP2-10FK-TLD101)

| Frame-In Type                | Dimming Type (IC/CP only)                   | Voltage      | Options                       |
|------------------------------|---------------------------------------------|--------------|-------------------------------|
| IP2-10FK-TL (Non-IC)         | D101 (0-10V Dimming)                        | blank (120V) | I200 (Flat Bar Hangers)       |
| IP2-10FKIC-TL (Air-Tight IC) | LUT (Lutron® LDE1 EcoSystem 1%)             | 27 (277V)    | I400 (Wood Joist Bar Hangers) |
|                              | LUT2 <sup>1</sup> (Lutron® LTA2W 2-Wire 1%) |              | EM7 (Remote Emergency Unit)   |
|                              | DMXR (DMX512 RDM 0.1%)                      |              |                               |

### Notes:

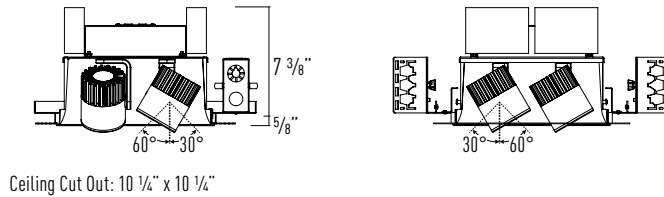
- Dimming available in 120V only
- Snoot is integral to fixture and factory installed. Snoot's interior is black and compatible with accessory holder, black accessory holder recommended

# MXG2RTLSQ4WD

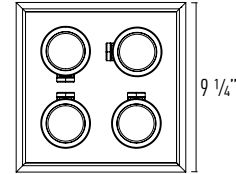
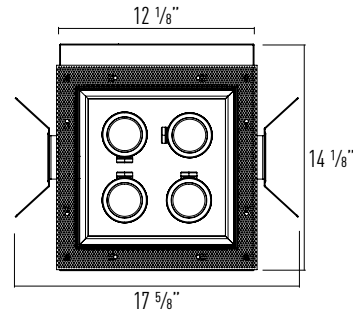
MX G2 Warm Dim Recessed Multiple Trimless (4) Head 10" x 10" with New Construction Frame-In

| JOB NAME |  | CATALOG NUMBER |  |
|----------|--|----------------|--|
| NOTES    |  | TYPE           |  |

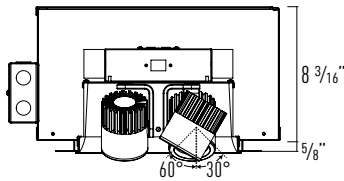
## NON-IC DIMENSIONS



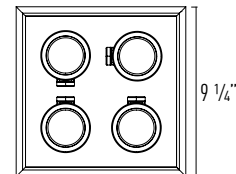
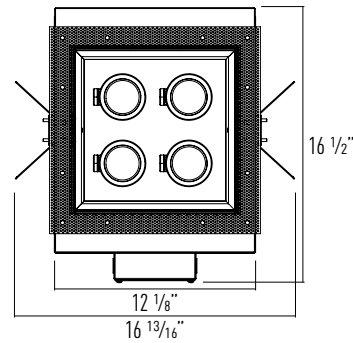
Ceiling Cut Out: 10 1/4" x 10 1/4"



## AIR TIGHT IC DIMENSIONS



Ceiling Cut Out: 10 1/4" x 10 1/4"

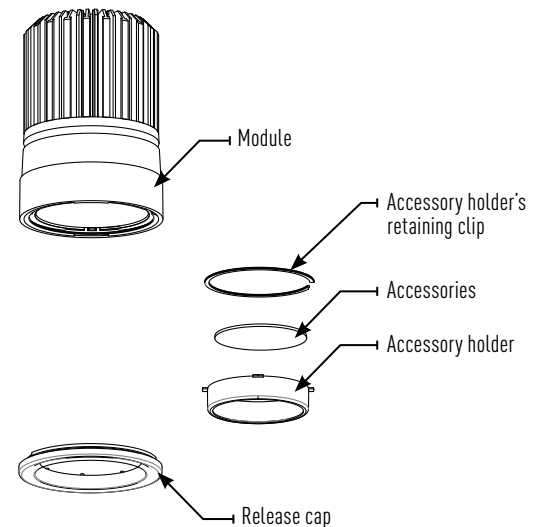


## ACCESSORIES

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

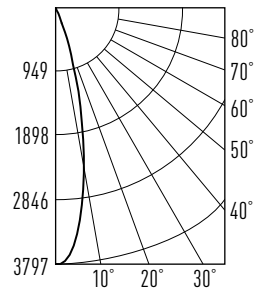
|                 |                           |
|-----------------|---------------------------|
| <b>LH47</b>     | (Accessory Holder, Black) |
| <b>LH47W</b>    | (Accessory Holder, White) |
| <b>PFLMB-47</b> | (Hex Louver, Black)       |
| <b>PFL1-47</b>  | (Prismatic Spread Lens)   |
| <b>PFL2-47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

|          |  |                |  |
|----------|--|----------------|--|
| JOB NAME |  | CATALOG NUMBER |  |
| NOTES    |  | TYPE           |  |

## MXG2RTL1WD1

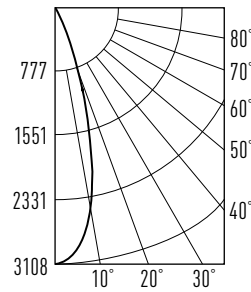
Report #: ILL20181108-4.002 (-24)  
ILL20181108-3.002 (-30)  
ILL20181108-5.002 (-45)

24° Narrow Flood (-24)



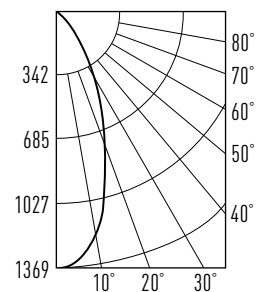
Watts: 13.5  
Lumens: 990  
LPW: 73  
CCT: 3000K

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      |

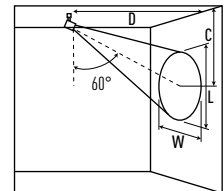
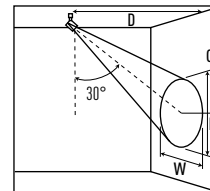
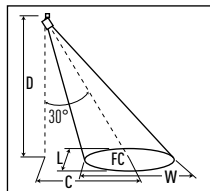
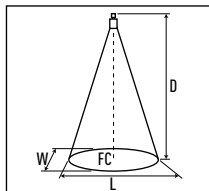
| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 1369    |
| 5°        | 1325    |
| 15°       | 1001    |
| 25°       | 534     |
| 35°       | 219     |
| 45°       | 84      |

### 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.



|                                                              | D   | FC  | W    | L    |  | D   | C    | FC   | W     | L     | D    | C     | FC   | W    | L     | D    | C    | FC  | W    | L    |
|--------------------------------------------------------------|-----|-----|------|------|--|-----|------|------|-------|-------|------|-------|------|------|-------|------|------|-----|------|------|
| <b>MXG2WD1-24</b><br><b>3000K</b><br><b>24° Spot</b>         | 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'  | 3.0' | 1.7' | 274 | 1.6' | 1.9' |
|                                                              | 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'  | 4.0' | 2.3' | 154 | 2.1' | 2.5' |
|                                                              | 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' | 5.0' | 2.9' | 99  | 2.7' | 3.1' |
|                                                              | 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' | 6.0' | 3.5' | 69  | 3.2' | 3.7' |
| <b>MXG2WD1-30</b><br><b>3000K</b><br><b>30° Narrow Flood</b> | 6'  | 86  | 3.4' | 3.4' |  | 6'  | 3.5' | 56   | 4.6'  | 3.9'  | 3.0' | 5.2   | 43   | 3.4  | 8.8   | 3.0' | 1.7' | 224 | 1.9' | 2.3' |
|                                                              | 8'  | 49  | 4.5' | 4.5' |  | 8'  | 4.6' | 32   | 6.1'  | 5.2'  | 4.0' | 6.9   | 24   | 4.5  | 11.7  | 4.0' | 2.3' | 126 | 2.6' | 3.1' |
|                                                              | 10' | 31  | 5.6' | 5.6' |  | 10' | 5.8' | 20   | 7.6'  | 6.5'  | 5.0' | 8.7   | 16   | 5.6  | 14.6  | 5.0' | 2.9' | 81  | 3.2' | 3.8' |
|                                                              | 12' | 22  | 6.7' | 6.7' |  | 12' | 6.9' | 14   | 9.2'  | 7.7'  | 6.0' | 10.4  | 11   | 6.7  | 17.5  | 6.0' | 3.5' | 56  | 3.9' | 4.6' |
| <b>MXG2WD1-45</b><br><b>3000K</b><br><b>45° Flood</b>        | 6'  | 38  | 4.8' | 4.8' |  | 6'  | 3.5' | 25   | 6.7'  | 5.5'  | 3.0' | 5.2'  | 19   | 4.8' | 18.1' | 3.0' | 1.7' | 99  | 2.8' | 3.4' |
|                                                              | 8'  | 21  | 6.4' | 6.4' |  | 8'  | 4.6' | 14   | 8.9'  | 7.3'  | 4.0' | 6.9'  | 11   | 6.4' | 24.1' | 4.0' | 2.3' | 56  | 3.7' | 4.5' |
|                                                              | 10' | 14  | 7.9' | 7.9' |  | 10' | 5.8' | 9    | 11.2' | 9.2'  | 5.0' | 8.7'  | 7    | 7.9' | 30.2' | 5.0' | 2.9' | 36  | 4.6' | 5.6' |
|                                                              | 12' | 10  | 9.5' | 9.5' |  | 12' | 6.9' | 6    | 13.4' | 11.0' | 6.0' | 10.4' | 5    | 9.5' | 36.2' | 6.0' | 3.5' | 25  | 5.5' | 6.7' |