

# MXG2ASTR

## 3.5" MX G2 LED Warm Dim Square Adjustable

|                 |  |                       |  |
|-----------------|--|-----------------------|--|
| <b>JOB NAME</b> |  | <b>CATALOG NUMBER</b> |  |
| <b>NOTES</b>    |  | <b>TYPE</b>           |  |

### ELECTRICAL DATA

| LED Light Engine | System Wattage * | CCT / CRI            | Delivered Lumens ** |
|------------------|------------------|----------------------|---------------------|
| WD1              | 13.5W            | 3000K-1800K / 92 CRI | 850lm               |
| WD2              | 16.5W            | 3000K-1800K / 92 CRI | 1100lm              |

\* System wattage includes driver and LED module consumption.

\*\* Delivered lumens will vary depending on trim, CCT, CRI, optic and ceiling thickness

### FEATURES

- Halogen style profile that warms as it dims
- 3000K at full intensity to 1800K at lowest dim level
- Multiple architectural trim options available
- Field changeable optics: 24°, 30°, 45°

### LED LIGHT ENGINE

- 3000K to 1800K programmable tuning at 92 CRI
- 50,000 hours L70 (rated life at 70% output)

### ELECTRICAL SYSTEM

- Multiple dimming drivers available
- 120V or 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

- Forward/reverse phase dimming 1% (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%

### HOUSING

- Heavy duty black powder coated 18 gauge steel frame
- Standard housing accommodates 5/8" ceiling thickness
- Extended collar options available for ceilings up to 1" or 2" thick, must specify either EC1 or EC2

### TRIM SPECIFICATION

- Locking 35° vertical and 360° horizontal adjustment (1/2" regress trims only). 90° turns with 1" regressed trims
- High quality A380 aluminum die-cast trims
- Discrete self flange or painted white flange options

### INSTALLATION

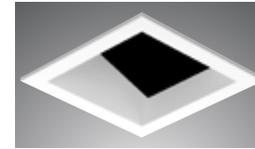
- Housing types include Non-IC and IC Air-Tight must specify
- Non-IC rated housings must be kept at a minimum of 3" away from insulation
- Butterfly brackets are compatible with C-channel, adjustable bar hangers (14"-25") and EMT
- C-channel is recommended for T-bar ceilings
- Bar hangers must be ordered separately
- Max. ambient temperature: 131°F (55°C)

### EMERGENCY BACKUP

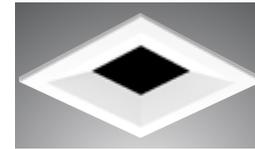
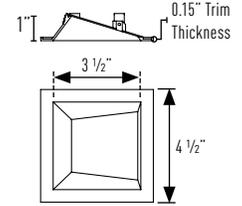
- Remote test switch included
- External battery operates LED load at a minimum of 500lm to 850lm for 90 minutes, depending on backup wattage selected
- Servicing requires above ceiling access

### LISTING / WARRANTY

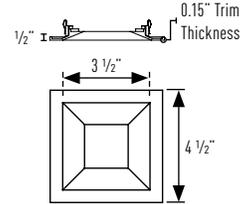
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC Only) Air-Tight Certified ASTM E283
- (-IC Only) ETL listed for direct contact w/insulation
- Can be used to comply with Title 24, Part 6, JA8 high efficacy LED light source requirements



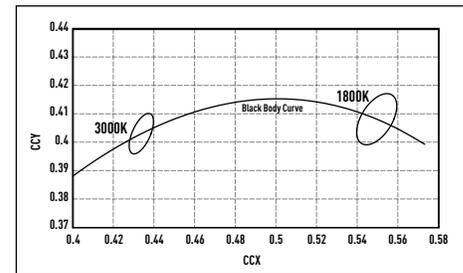
**MXTG2-STRA300**  
(1" Regress)



**MXTG2-STRR300**  
(1/2" Regress)



### Available Trim Finishes



### Housing Part Number (Example: MXG2ASTR-NCWD1DIM)

| Housing  | Installation Type  | Ceiling Thickness    | Wattage     | Dimming  | Voltage  | Options  |
|----------|--------------------|----------------------|-------------|--|--|--|
| MXG2ASTR | -NC (Non-IC)       | blank (5/8")         | WD1 (13.5W) | DIM <sup>1</sup> (Phase Dimming)   | blank (-NC: 120V Only<br>-IC/-CP: UNV 120V-277V)<br>27 (277V For -NC Only) | I100 (C-Channel Bar Hangers)   |
|          | -IC (Air-Tight IC) | EC1 (1")<br>EC2 (2") | WD2 (16.5W) | 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® LTEA2W 2-Wire 1%)<br>DMXR <sup>2</sup> (DMX512 RDM 0.1%) |  | I200 (Flat Bar Hangers)<br>I400 (Wood Joist Bar Hangers)<br>EM7 <sup>3</sup> (7W Emergency Backup<br><a href="#">IOTA Part #ILB-CP07-A</a> )<br>EM12 <sup>3</sup> (12W Emergency Backup<br><a href="#">IOTA Part #ILB-CP12-A</a> ) |

### Trim Part Number (Example: MXTG2-STRA300W-WD1NF)

| Trim                         | Finish  | Wattage     | Optic                 |
|------------------------------|---|-------------|-----------------------|
| MXTG2-STRA300 (1" Regress)   | B-SF (Black / Self Flanged)                               | WD1 (13.5W) | NF (24° Narrow Flood) |
| MXTG2-STRR300 (1/2" Regress) | B-SFW (Black / Self Flanged White)                        | WD2 (16.5W) | FL (30° Flood)        |
|                              | W-SF (White / Self Flanged)                               |             | WF (45° Wide Flood)   |
|                              | SN-SF (Satin Nickel / Self Flanged)                       |             |                       |
|                              | SN-SFW <sup>4</sup> (Satin Nickel / Self Flanged White)   |             |                       |
|                              | AB-SF (Antique Bronze / Self Flanged)                     |             |                       |
|                              | AB-SFW <sup>4</sup> (Antique Bronze / Self Flanged White) |             |                       |
|                              | WH-SF (Wheat / Self Flanged)                              |             |                       |
|                              | WH-SFW <sup>4</sup> (Wheat / Self Flanged White)          |             |                       |

- Notes:**
- Available in 120V only
  - Not available with WD1
  - Access above ceiling required
  - Consult factory for lead times

**Accessories:** (2) accessories max, accessory holder required.

- 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)

MX DOWNLIGHTING LJM: 20200624 P-25

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

For Intense Lighting's limited product warranty, go to [www.intenselighting.com](http://www.intenselighting.com). For a printed copy of the warranty, you may call 800 961-5321.

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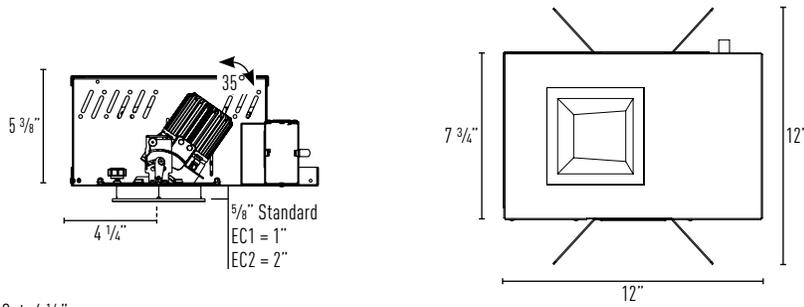


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## NON-IC & AIR TIGHT IC DIMENSIONS



Ceiling Cut Out: 4 1/8"

### Plaster Frame Accommodation

| Collar Type                  | Standard   | EC1      | EC2      |
|------------------------------|------------|----------|----------|
| <b>Max Ceiling Thickness</b> | Up-to 5/8" | Up-to 1" | Up-to 2" |

### Fixture Aiming - Horizontal Adjustment

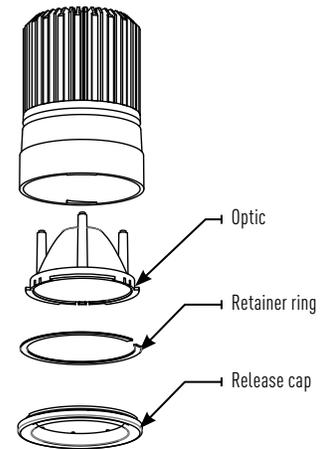
|                           |           |           |           |
|---------------------------|-----------|-----------|-----------|
| <b>1" Regress Trims</b>   | 90° turns | 90° turns | Full 360° |
| <b>1/2" Regress Trims</b> | Full 360° | Full 360° | Full 360° |

## OPTICS REPLACEMENT

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.

### Optics

- IP-OP4724** (24° Narrow Flood)
- IP-OP4736** (30° Flood)
- IP-OP4750** (45° Wide Flood)



|          |  |                |  |
|----------|--|----------------|--|
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| NOTES    |  | TYPE           |  |

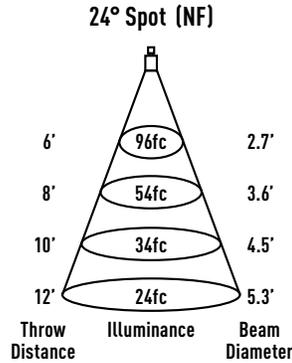
## MXTG2-STRA300WWD1

**REPORT #:**

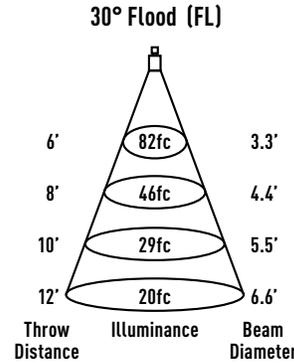
ILL20181001-9.001 (24)  
ILL20180917-17.001 (30)  
ILL20180919-25.001 (45)

**TRIM MULTIPLIERS:**

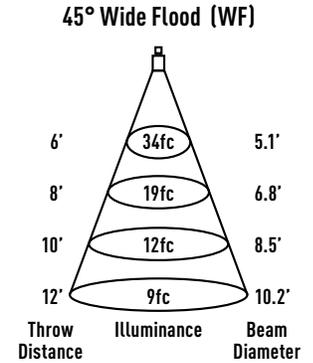
MXTG2-STRD300 (x 1.00)  
MXTG2-STRR300 (x 0.93)



Watts: 13.5  
Lumens: 784  
LPW: 58  
CCT: 3000K



Watts: 13.5  
Lumens: 936  
LPW: 69  
CCT: 3000K



Watts: 13.5  
Lumens: 816  
LPW: 60  
CCT: 3000K

| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 3442    |
| 5°        | 3074    |
| 15°       | 1196    |
| 25°       | 212     |
| 35°       | 26      |
| 45°       | 7       |

| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 2938    |
| 5°        | 2778    |
| 15°       | 1549    |
| 25°       | 415     |
| 35°       | 61      |
| 45°       | 10      |

| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 1233    |
| 5°        | 1206    |
| 15°       | 971     |
| 25°       | 531     |
| 35°       | 202     |
| 45°       | 52      |

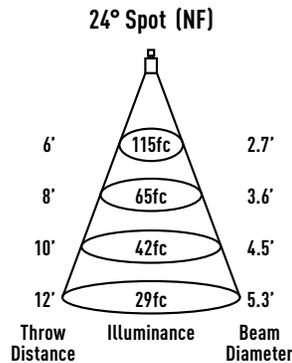
## MXTG2-STRA300WWD2

**REPORT #:**

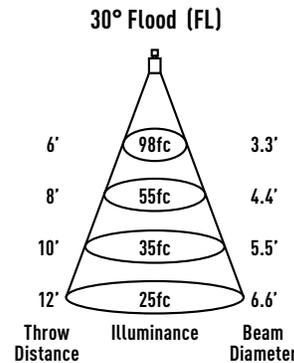
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ILL20180917-17.002 (30)  
ILL20180919-25.002 (45)

**TRIM MULTIPLIERS:**

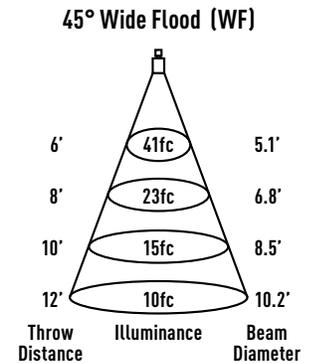
MXTG2-STRD300 (x 1.00)  
MXTG2-STRR300 (x 0.93)



Watts: 16.4  
Lumens: 945  
LPW: 58  
CCT: 3000K



Watts: 16.4  
Lumens: 1128  
LPW: 69  
CCT: 3000K



Watts: 16.4  
Lumens: 983  
LPW: 60  
CCT: 3000K

| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 4147    |
| 5°        | 3704    |
| 15°       | 1441    |
| 25°       | 255     |
| 35°       | 31      |
| 45°       | 8       |

| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 3540    |
| 5°        | 3347    |
| 15°       | 1866    |
| 25°       | 500     |
| 35°       | 73      |
| 45°       | 12      |

| Intensity |         |
|-----------|---------|
| Degree    | Candela |
| 0°        | 1486    |
| 5°        | 1454    |
| 15°       | 1170    |
| 25°       | 640     |
| 35°       | 244     |
| 45°       | 63      |