

# MXG2DSTR

3.5" MX G2 TunableWhite Square Pinhole

## ELECTRICAL DATA

LED Light Engine	System Wattage*	CCT / CRI	Delivered Lumens**	Lumens Per Watt
TW05	8W	3500K / 92 CRI	500lm	62.5 lm/W
TW0	11W	3500K / 92 CRI	750lm	68.2 lm/W
TW1	17W	3500K / 92 CRI	1000lm	58.8 lm/W

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

## FEATURES

- Multiple architectural trim options
- Field changeable 14°, 26°, 30° or 45° optics

## LED LIGHT ENGINE

- Tuning range from 2700K-6500K at a minimum of 92 CRI
- 3 SDCM binning throughout the tunable CCT range
- Wattage: 8W to 17W
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

## ELECTRICAL SYSTEM

- 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

- eldoLED Dual Drive 2CH 0-10V 0.1% (Remote Only)
- Lutron T-Series 1% 2CH tunable white driver (Remote Only)
- DMX512 RDM 8-bit 0.1% (Remote Only)
- eldoLED Dual Drive DALI (DT6/DT8) 0.1% (IC w/ TW1 requires remote box)

## 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

High quality die-cast A380 aluminum trims with durable powder coat finishes. Architectural, discrete self flange or painted white flange options available. Trims available in 1-1/2" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

## INSTALLATION

Housing 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. 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. Maximum ambient temperature: 95°F (35°C)

## REMOTE BOX

- Remote box included when required by specification
- Galvanized steel construction
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

## ACCESSORIES

Luminaire will accommodate (2) accessories, accessory holder required.

## LISTING / WARRANTY

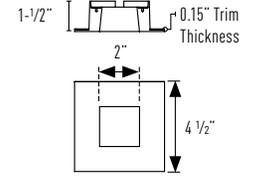
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC Only) Air-Tight Certified ASTM E283
- (-IC Only) ETL listed for direct contact w/insulation



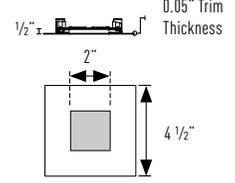
JOB NAME	CATALOG NUMBER
NOTES	TYPE



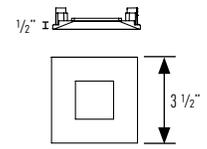
**MXTG2-STRD306**  
(1-1/2" Regress)



**MXTG2-SFRR306**  
(1/2" Flat Mount)



**MXTG2-STLR306**  
(1/2" Regress Trimless)



Available Trim Finishes:



Housing Part Number (Example: MXG2DSTR-ICTW05-ED10V01)

Housings	Ceiling Thickness	Wattage	Dimming	Voltage
<b>MXG2DSTR-NC</b> (Non-IC)	blank (5/8")	<b>TW05</b> (8W)	<b>-ED10V01<sup>1</sup></b> (eldoLED Dual Drive 2CH 0-10V 0.1%)	blank (Non-IC: 120V -IC: 120V/277V) <b>27</b> (277V Non-IC Only, for -IC housing options use blank)
	<b>EC1</b> (1")	<b>TW0</b> (11W)	<b>-LUTT<sup>1</sup></b> (Lutron® T Series 1%)	
<b>MXG2DSTR-IC</b> (Air-Tight IC)	<b>EC2</b> (2")	<b>TW1</b> (17W)	<b>-DMXR<sup>1</sup></b> (DMX512 RDM 8-bit 0.1%)	
			<b>-DALI6<sup>2</sup></b> (eldoLED Dual Drive DALI DT6 0.1%)	
			<b>-DALI8<sup>2</sup></b> (eldoLED Dual Drive DALI DT8 0.1%)	

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)

Trim Part Number (Example: MXTG2-STRD306WTWSP)

Trim	Finish	CCT Range	Optic
<b>MXTG2-STRD36</b> (1-1/2" Regress)	<b>W</b> (White)	<b>TW</b> (2700K-6500K)	<b>SP</b> (14° SP)
	<b>B<sup>4</sup></b> (Black)		<b>NF</b> (26° NFL)
<b>MXTG2-STLR306<sup>3</sup></b> (1-1/2" Regress Trimless)	<b>SN<sup>4</sup></b> (Satin Nickel)		<b>FL</b> (30° FL)
	<b>AB<sup>4</sup></b> (Antique Bronze)		<b>WF</b> (45° WFL)

Bar Hangers
<b>I100</b> (C-Channel Bar Hangers)
<b>I200</b> (Flat Bar Hangers)
<b>I400</b> (Wood Joist Bar Hangers)

Mud Ring
<b>MXS-MR<sup>1</sup></b> (Square Trimless Mud Ring)

### Notes:

- AIC only, Remote Box Required
- Not Available with AIC or CP in TW1
- Trimless options are for use with mud ring accessory only
- Consult factory for lead times

MX DOWNLIGHTING LUM-0213-25 P-30

INTENSE LIGHTING | 725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877 | fax 847 559-5505

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.

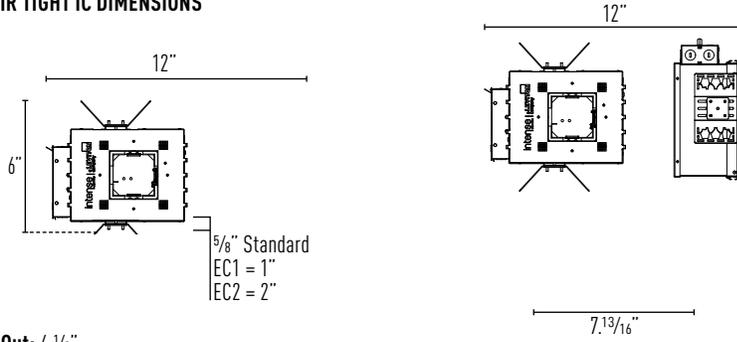
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# MXG2DSTR

3.5" MX G2 TunableWhite Square Pinhole

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## NON-IC & AIR TIGHT IC DIMENSIONS

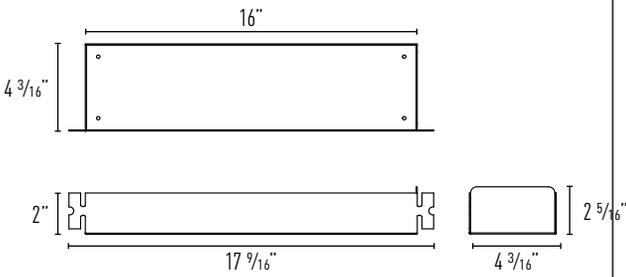


## Plaster Frame Accommodation

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

Ceiling Cut Out: 4 1/8"

## REMOTE MOUNTED DRIVER OPTIONS



### Remote Driver Box For

- eldoLED Dual Drive 2CH 0-10V 0.1%
- Lutron T-Series 1% 2CH tunable white driver
- DMX512 RDM 8-bit 0.1%

**Note:** Wires for class 2 LED driver require a minimum of 18 AWG wire at a maximum of 50 feet length per local and national electrical regulations.

Lumen Package	System Wattage		
	CCT	120V	277V
TW05 (500lm)	2700K	8W	10W
	3500K	8W	9W
	6000K	7W	8W
TW0 (750lm)	2700K	13W	14W
	3500K	11W	12W
	6000K	10W	12W
TW1 (1000lm)	2700K	21W	22W
	3500K	17W	18W
	6000K	16W	17W

# MXG2DSTR

3.5" MX G2 TunableWhite Square Pinhole

JOB NAME	CATALOG NUMBER
NOTES	TYPE

## ACCESSORIES:

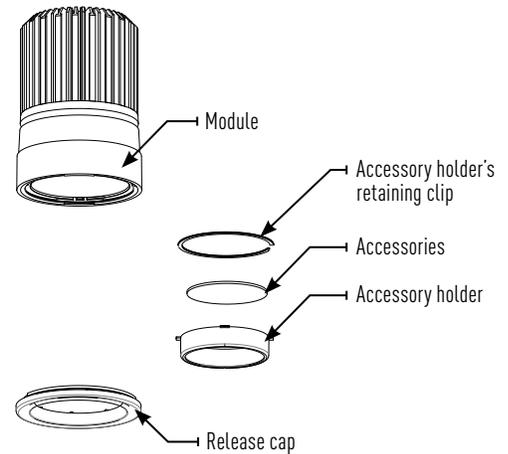
Luminaire will accommodate (2) accessories, accessory holder required.

## 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)

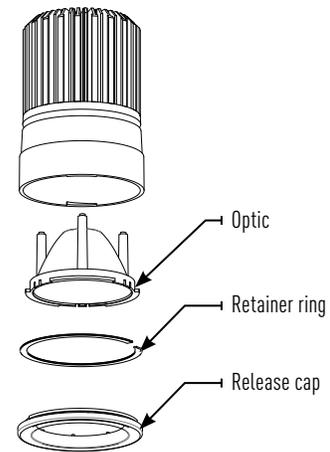


## OPTICS REPLACEMENT

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

<b>IP-OP4712</b>	(14° Spot)
<b>IP-OP4724</b>	(26° Narrow Flood)
<b>IP-OP4736</b>	(30° Flood)
<b>IP-OP4750</b>	(45° Wide Flood)



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

## MXTG2-STRD306L0

Report #: ILL-02122016-11.3 (12)  
 ILL-02122016-10.3 (24)  
 ILL-02162016-02.3 (36)  
 ILL-02122016-06.3 (50)

### MXTG2-STRD306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.81)  
 2" Thickness (x 0.62)

### MXTG2-RFRR306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.83)  
 2" Thickness (x 0.56)

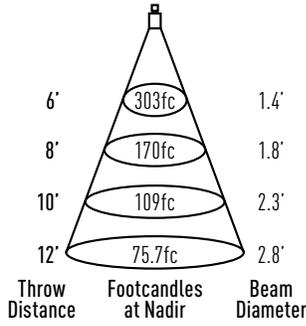
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

### 12° Spot (12)

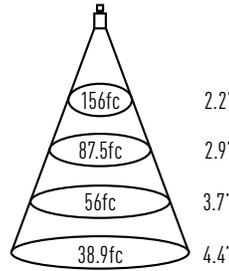


Watts: 10  
 Lumens: 582  
 LPW: 58  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	10895
5°	6333
15°	468
25°	43
35°	9
45°	2

### 24° Narrow Flood (24)

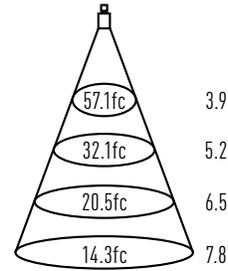


Watts: 10  
 Lumens: 715  
 LPW: 72  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	5600
5°	4829
15°	1002
25°	48
35°	4
45°	1

### 36° Flood (36)

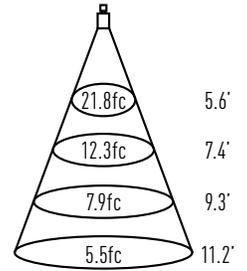


Watts: 10  
 Lumens: 689  
 LPW: 69  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	2054
5°	2020
15°	1333
25°	380
35°	55
45°	1

### 50° Wide Flood (50)



Watts: 10  
 Lumens: 577  
 LPW: 58  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	785
5°	785
15°	724
25°	383
35°	102
45°	4

## MXTG2-STRD306L1

Report #: ILL-02122016-11.2 (12)  
 ILL-02122016-10.2 (24)  
 ILL-02162016-02.2 (36)  
 ILL-02122016-06.2 (50)

### MXTG2-STRD306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.81)  
 2" Thickness (x 0.62)

### MXTG2-RFRR306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.83)  
 2" Thickness (x 0.56)

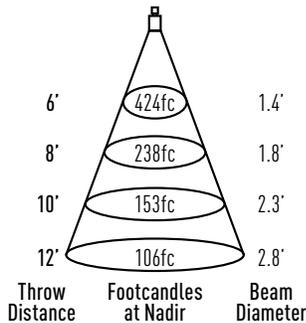
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.50)  
 12W Emergency (x 0.85)

### 12° Spot (12)

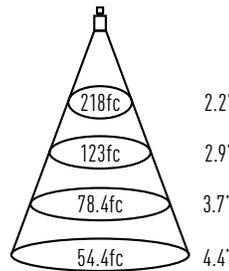


Watts: 15.4  
 Lumens: 814  
 LPW: 53  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	15253
5°	8866
15°	655
25°	60
35°	13
45°	2

### 24° Narrow Flood (24)

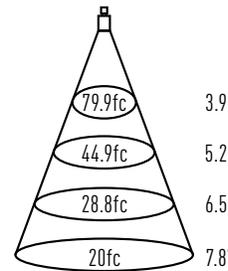


Watts: 15.4  
 Lumens: 1001  
 LPW: 65  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	7841
5°	6760
15°	1402
25°	67
35°	6
45°	1

### 36° Flood (36)

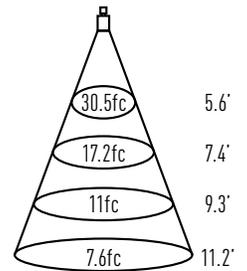


Watts: 15.4  
 Lumens: 964  
 LPW: 63  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	2876
5°	2828
15°	1867
25°	532
35°	77
45°	1

### 50° Wide Flood (50)



Watts: 15.4  
 Lumens: 808  
 LPW: 52  
 CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	1099
5°	1099
15°	1013
25°	536
35°	143
45°	5

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

## MXTG2-STRD306L2

Report #: ILL-02122016-11.1 (12)  
 ILL-02122016-10.1 (24)  
 ILL-02162016-02.1 (36)  
 ILL-02122016-06.1 (50)

### MXTG2-STRD306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.81)  
 2" Thickness (x 0.62)

### MXTG2-RFRR306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.83)  
 2" Thickness (x 0.56)

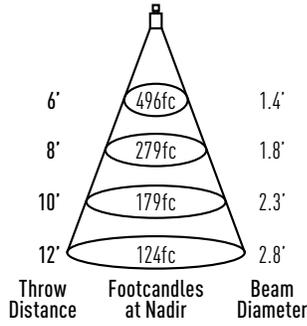
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.40)  
 12W Emergency (x 0.68)

### 12° Spot (12)

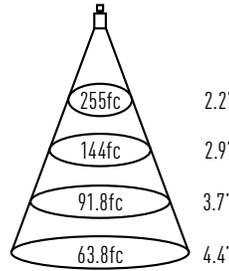


Watts: 20.5  
 Lumens: 954  
 LPW: 47  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	17868
5°	10385
15°	768
25°	70
35°	15
45°	3

### 24° Narrow Flood (24)

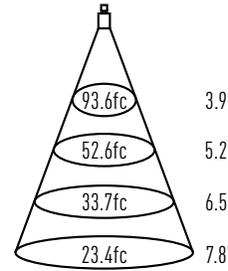


Watts: 20.4  
 Lumens: 1173  
 LPW: 57  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	9185
5°	7919
15°	1642
25°	79
35°	7
45°	1

### 36° Flood (36)

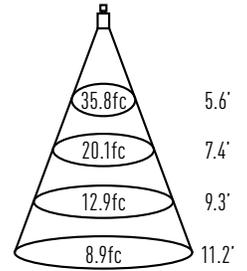


Watts: 20.5  
 Lumens: 1129  
 LPW: 55  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	3369
5°	3313
15°	2187
25°	623
35°	90
45°	1

### 50° Wide Flood (50)



Watts: 20.5  
 Lumens: 946  
 LPW: 46  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1287
5°	1287
15°	1187
25°	628
35°	168
45°	6

## MXTG2-STRD306L3

Report #: ILL-02122016-11 (12)  
 ILL-02122016-10 (24)  
 ILL-02162016-02 (36)  
 ILL-02122016-06 (50)

### MXTG2-STRD306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.81)  
 2" Thickness (x 0.62)

### MXTG2-RFRR306

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.83)  
 2" Thickness (x 0.56)

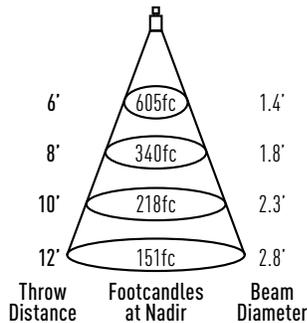
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.35)  
 12W Emergency (x 0.59)

### 12° Spot (12)

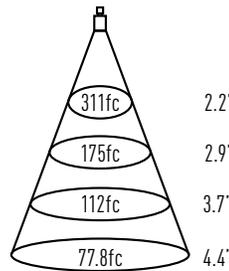


Watts: 26.1  
 Lumens: 1163  
 LPW: 45  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	21791
5°	12665
15°	936
25°	86
35°	19
45°	3

### 24° Narrow Flood (24)

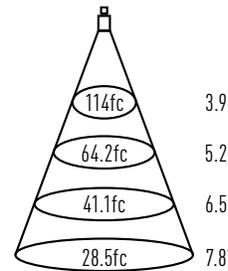


Watts: 26.1  
 Lumens: 1430  
 LPW: 55  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	11201
5°	9657
15°	2003
25°	96
35°	9
45°	1

### 36° Flood (36)

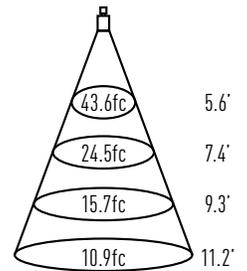


Watts: 26  
 Lumens: 1377  
 LPW: 53  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	4109
5°	4040
15°	2667
25°	760
35°	109
45°	2

### 50° Wide Flood (50)



Watts: 26.1  
 Lumens: 1154  
 LPW: 44  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1570
5°	1570
15°	1447
25°	765
35°	205
45°	7