

# MXG2DRTL

## 3.5" MX G2 LED Trimless Lensed Pinhole - Wet Location

### ELECTRICAL DATA

Model	Wattage	CCT / CRI	Lumens	Beam Spread
L0	10W	3000K / 82 CRI	780lm	78
L1	16W	3000K / 82 CRI	1100lm	69
L2	20W	3000K / 82 CRI	1300lm	65
L3	26W	3000K / 82 CRI	1500lm	58

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

### FEATURES

- Multiple architectural trim options
- High center beam spot up to 20,900 CBCP
- Dedicated 9° with field changeable 12°, 24°, 36° & 50° optics

### LED LIGHT ENGINE

- 92 CRI & 82 CRI in 2700K, 3000K, 3500K or 4100K with 2SDCM binning
- >50,000 hours L70 (rated life at 70% output)

### ELECTRICAL SYSTEM

- (Non-IC) Dedicated voltage options of 120V or 277V. Must be specified in catalog code.
- (-IC/-CP) Universal 120V/277V input
- 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

- 0-10V Dimming 1%
- Forward/reverse dimming 1% (120V only)
- ELdoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- 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 (EC1/EC2 Not available with Chicago Plenum)

### INSTALLATION

Housing 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. Butterfly brackets are compatible with adjustable bar hangers (14"-25") and EMT. Bar hangers must be ordered separately. Max. ambient temperature: 95°F (35°C).

### TRIM SPECIFICATION

High quality trims are die-cast using A380 aluminum and finished with durable powder coat available in multiple finishes, black interior standard. Perforated mesh frame is die-cast to a 0.8mm thickness to easily adhere to joint compound for seamless and trimless mounting. Trim is available with solite, clear tempered or frosted lens, must specify. Trims available in 1-1/2" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

### EMERGENCY BACKUP

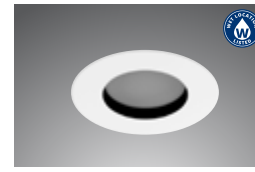
Remote test switch included. External battery operates LED load at a minimum of 400 to 650 lumens for 90 minutes, depending on backup wattage selected. See trim multipliers for detailed performance. Servicing requires above ceiling access. (EM not available with Chicago Plenum)

### LISTING / WARRANTY

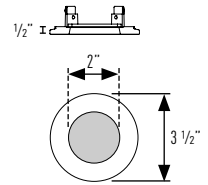
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum



JOB NAME	CATALOG NUMBER
NOTES	TYPE



**MXG2-RTLR308**  
(1/2" Regress with Lens)



Housing Dimensions Are On Page 2

### Available Trim Finishes



### Housing Part Number (Example: MXG2DRTL-ICL1)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming	Voltage	Options	
MXG2DRTL	-NC (Non-IC)	blank (5/8")	L0 (10W)	blank (Non-Dimming)	blank (Non-IC: 120V	<b>I100</b> (C-Channel Bar Hangers)	
	-IC (Air-Tight IC)	EC1 <sup>1</sup> (1")	L1 (16W)	DELV <sup>3</sup> (Phase Dimming)	-IC/-CP: 120V/277V)	<b>I200</b> (Flat Bar Hangers)	
	-CP (Chicago Plenum)	EC2 <sup>1</sup> (2")	L2 (20W)	D101 (0-10V Dimming 1%)	27 (277V Non-IC Only, for -IC/-CP housing options use blank)	<b>I400</b> (Wood Joist Bar Hangers)	
			L3 <sup>2</sup> (26W)	ED10V1 <sup>4</sup> (elddoLED 0-10V 1%)			<b>EM77</b> (7W Emergency Backup IOTA Part #ILB-CP07-A)
				ED10V01 <sup>4</sup> (elddoLED 0-10V 0.1%)			<b>EM12<sup>7,8</sup></b> (12W Emergency Backup IOTA Part #ILB-CP12-A)
				LUT <sup>5</sup> (Lutron EcoSystem <sup>®</sup> 1%)			
			DMXR <sup>6</sup> (DMX512 RDM 0.1%)				

### Trim Part Number (Example: MXTG2-RTLR308WL13024-SL)

Trim	Finish	Wattage	CCT / CRI	Optic	Lens
MXTG2-RTLR308 (1/2" Regress)	W (White)	L0 (10W)	27 (2700K / 82 CRI)	09° (9° Narrow Spot)	-SL (Solite)
		L1 (16W)	279 (2700K / 92 CRI)	12 (12° Spot)	-CR (Clear Tempered)
	B (Black)	L2 (20W)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)	-FR (Frosted)
		L3 <sup>1</sup> (26W)	309 (3000K / 92 CRI)	36 (36° Flood)	
	AB (Antique Bronze)		35 (3500K / 82 CRI)	50 (50° Wide Flood)	
			359 (3500K / 92 CRI)		
			41 (4100K / 82 CRI)		
			419 (4100K / 92 CRI)		

### Notes:

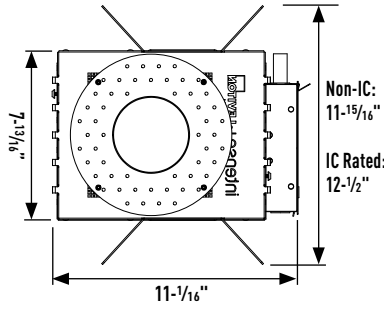
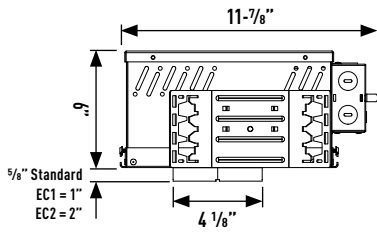
- EC1/EC2 not available with (-CP) Chicago Plenum
- L3 available with Non-IC housings only
- Available in 120V only
- Not Available in L3
- Not Available in L2 & L3
- DMX512 RDM not available in L0 & L1
- Access above ceiling required; not available with (-CP) Chicago Plenum
- Not available in L0
- 9° NS available in 279 with L0 or L1 Only

# MXG2DRTL

3.5" MX G2 LED Trimless Lensed Pinhole - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## NON-IC & AIR TIGHT IC DIMENSIONS

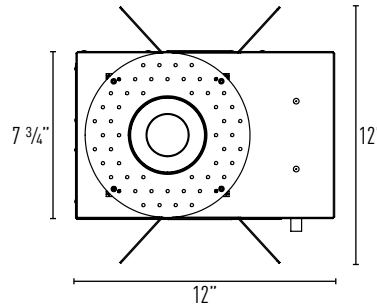
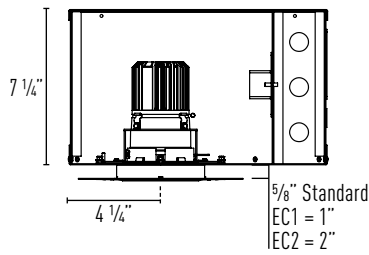


### Plaster Frame Accommodation

Standard	Up-to 5/8"
EC1	Up-to 1"
EC2	Up-to 2"

Ceiling Cut Out: 4 1/8"

## CCEA CHICAGO PLENUM DIMENSIONS



### Plaster Frame Accommodation

Standard	Up-to 5/8"
EC1	Up-to 1"
EC2	Up-to 2"

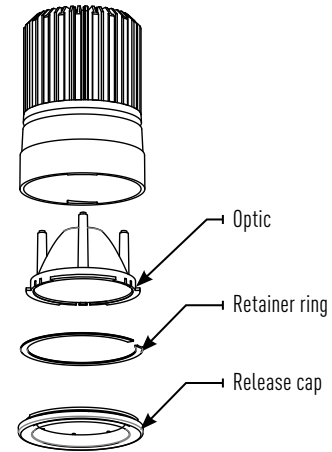
Ceiling Cut Out: 4 1/8"

## 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-OP4712 (12° Spot)
- IP-OP4724 (24° Narrow Flood)
- IP-OP4736 (36° Flood)
- IP-OP4750 (50° Wide Flood)



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

## MXTG2-RTLD308L0-CR

Report #: ILL-01262016-38 (12)  
 ILL-02082016-11 (24)  
 ILL-01262016-44 (36)  
 ILL-01262016-47 (50)

### MXTG2-RTLD308

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.86)  
 2" Thickness (x 0.73)

### MXTG2-RTL308

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.98)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.65)

### 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)

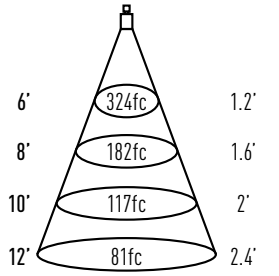
### LENS MULTIPLIERS:

Solite (x 0.92)  
 Clear (x 1.00)  
 Frosted (x 0.92)

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

### 12° Spot (12)

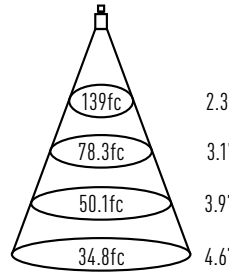


Watts: 10  
 Lumens: 667  
 LPW: 67  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	11660
5°	6814
15°	482
25°	46
35°	8
45°	2

### 24° Narrow Flood (24)

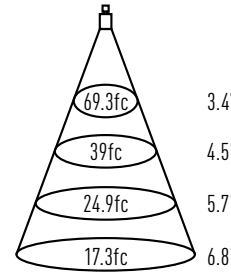


Watts: 10  
 Lumens: 768  
 LPW: 77  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	5013
5°	4499
15°	1155
25°	85
35°	7
45°	3

### 36° Flood (36)

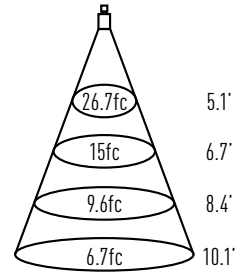


Watts: 10  
 Lumens: 780  
 LPW: 78  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2495
5°	2526
15°	1430
25°	289
35°	29
45°	2

### 50° Wide Flood (50)



Watts: 10  
 Lumens: 622  
 LPW: 62  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	960
5°	1014
15°	892
25°	431
35°	114
45°	7

## MXTG2-RTLD308L1-CR

Report #: ILL-01262016-14 (12)  
 ILL-02082016-09 (24)  
 ILL-01262016-20 (36)  
 ILL-01262016-23 (50)

### MXTG2-RTLD308

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 1.00)  
 1" Thickness (x 0.86)  
 2" Thickness (x 0.73)

### MXTG2-RTL308

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.98)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.65)

### 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)

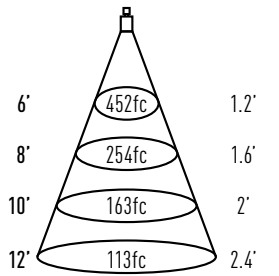
### LENS MULTIPLIERS:

Solite (x 0.92)  
 Clear (x 1.00)  
 Frosted (x 0.92)

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

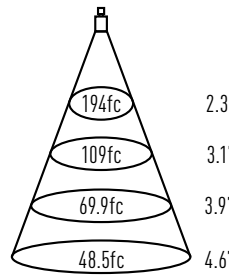


Watts: 15.4  
 Lumens: 916  
 LPW: 59  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	16271
5°	9342
15°	661
25°	63
35°	12
45°	3

### 24° Narrow Flood (24)

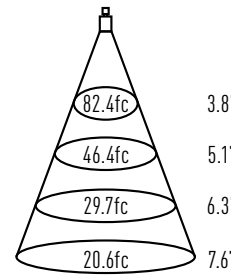


Watts: 15.6  
 Lumens: 1072  
 LPW: 69  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	6988
5°	6278
15°	1611
25°	119
35°	10
45°	4

### 36° Flood (36)

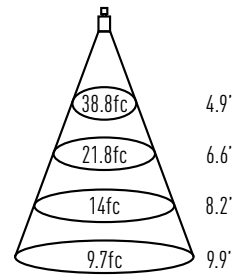


Watts: 15.4  
 Lumens: 1108  
 LPW: 71  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2967
5°	2956
15°	1953
25°	523
35°	74
45°	3

### 50° Wide Flood (50)



Watts: 15.6  
 Lumens: 870  
 LPW: 56  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1396
5°	1471
15°	1266
25°	594
35°	153
45°	9

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

## MXTG2-RTLD308L2-CR

Report #: ILL-01262016-26 (12)  
ILL-02082016-06 (24)  
ILL-01262016-32 (36)  
ILL-02082016-05 (50)

### MXTG2-RTLD308

Ceiling Thickness Multipliers:  
5/8" Thickness (x 1.00)  
1" Thickness (x 0.86)  
2" Thickness (x 0.73)

### MXTG2-RTL308

Ceiling Thickness Multipliers:  
5/8" Thickness (x 0.98)  
1" Thickness (x 0.80)  
2" Thickness (x 0.65)

### CCT MULTIPLIERS:

	<b>82 CRI</b>	<b>92 CRI</b>
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)

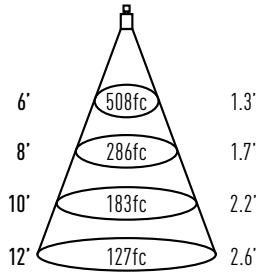
### LENS MULTIPLIERS:

Solite (x 0.92)  
Clear (x 1.00)  
Frosted (x 0.92)

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

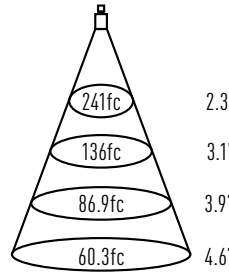


Watts: 20.4  
Lumens: 1127  
LPW: 55  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	18296
5°	11928
15°	714
25°	90
35°	16
45°	4

### 24° Narrow Flood (24)

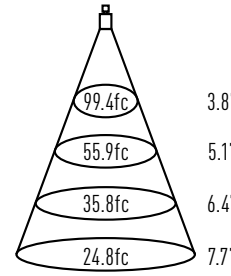


Watts: 20.8  
Lumens: 1311  
LPW: 63  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	8688
5°	7933
15°	1963
25°	123
35°	13
45°	4

### 36° Flood (36)

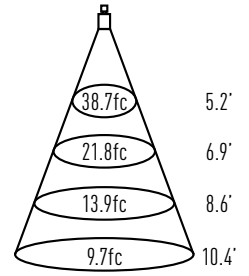


Watts: 20.4  
Lumens: 1334  
LPW: 65  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	3577
5°	3527
15°	2353
25°	626
35°	92
45°	4

### 50° Wide Flood (50)



Watts: 20.8  
Lumens: 1061  
LPW: 51  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	1395
5°	1474
15°	1429
25°	777
35°	236
45°	15

## MXTG2-RTLD308L3-CR

Report #: ILL-01262016-11 (12)  
ILL-02082016-02 (24)  
ILL-01262016-02 (36)  
ILL-02082016-01 (50)

### MXTG2-RTLD308

Ceiling Thickness Multipliers:  
5/8" Thickness (x 1.00)  
1" Thickness (x 0.86)  
2" Thickness (x 0.73)

### MXTG2-RTL308

Ceiling Thickness Multipliers:  
5/8" Thickness (x 0.98)  
1" Thickness (x 0.80)  
2" Thickness (x 0.65)

### CCT MULTIPLIERS:

	<b>82 CRI</b>	<b>92 CRI</b>
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)

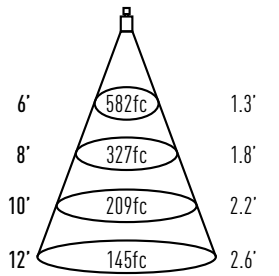
### LENS MULTIPLIERS:

Solite (x 0.92)  
Clear (x 1.00)  
Frosted (x 0.92)

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

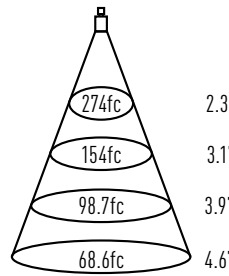


Watts: 26.3  
Lumens: 1300  
LPW: 49  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	20935
5°	13727
15°	773
25°	95
35°	19
45°	5

### 24° Narrow Flood (24)

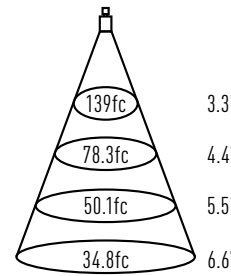


Watts: 26.3  
Lumens: 1491  
LPW: 57  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	9871
5°	9010
15°	2232
25°	140
35°	15
45°	5

### 36° Flood (36)

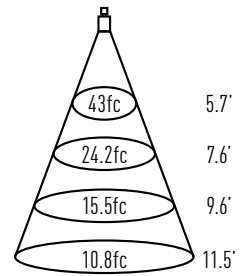


Watts: 26.4  
Lumens: 1497  
LPW: 57  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	5008
5°	4921
15°	2673
25°	545
35°	72
45°	5

### 50° Wide Flood (50)



Watts: 26.3  
Lumens: 1107  
LPW: 42  
CCT: 3000K

#### Candelas at Nadir

Degree	CBCP
0°	1548
5°	1508
15°	1366
25°	809
35°	296
45°	26