

# MXG2DSTR

## 3.5" MX G2 LED Square Lensed Downlight Wood Ceiling - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

### ELECTRICAL DATA

LED LIGHT ENGINE	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
L0	10W	3000K / 82 CRI	700lm	70
L1	16W	3000K / 82 CRI	1000lm	63
L2	20W	3000K / 82 CRI	1150lm	58
L3	26W	3000K / 82 CRI	1700lm	65

\*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 with up to 22,600 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) 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 plaster frame accommodates 5/8" ceiling thickness. Extended collar options available for ceilings up to 1" or 2" thick, must specify.

### TRIM SPECIFICATION

High quality trims are die-cast using A380 aluminum with durable powder coat available in multiple finishes. Trim is available with solite, clear tempered or frosted lens, must specify.

### INSTALLATION

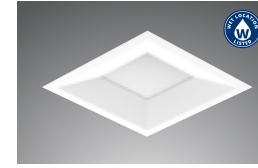
Housing types include IC Air-Tight or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Butterfly brackets are compatible with C-channel, adjustable bar hangers (14"-25") and EMT. C-channel is recommended for T-bar ceilings. Bar hangers must be ordered separately. Max. ambient temperature: 95°F (35°C). For ceiling cut out, use of a holesaw may result in improper fitment, uneven gaps, and/or light leak.

### EMERGENCY BACKUP

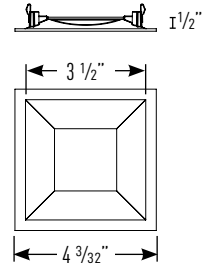
Remote test switch included. External battery operates LED load at a minimum of 500 to 850 lumens for 90 minutes, depending on backup wattage selected. See trim multipliers for detailed performance. Servicing requires above ceiling access.

### LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations
- (-IC Only) Air-Tight Certified ASTM E283
- (-IC Only) ETL listed for direct contact w/insulation
- ENERGY STAR® Qualified <sup>1</sup>
- Can be used to comply with 2016 Title 24, Part 6, JA8 high efficacy LED light source requirements <sup>2</sup>



MXTG2-SWLR302  
(1/2" Regress with Lens)



Recommended 4 1/8" precision routing fitment of wood trim; using a hole saw may result in improper fitment, uneven gaps and/or light leak

Housing dimensions are on Page 2

### Available Trim Finishes



### Housing Part Number (Example: MXG2DSTR-ICL1)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming	Voltage	Options
MXG2DSTR	-NC (Non-IC)	blank (5/8")	L0 (10 Watts)	blank (Non-Dimming)	blank (Non-IC: 120V	I100 (C-Channel Bar Hangers)
	-IC (Air-Tight IC)	EC1 (1")	L1 (16 Watts)	DELV <sup>4</sup> (Phase Dimming)	-IC: 120V/277V)	I200 (Flat Bar Hangers)
		EC2 (2")	L2 (20 Watts)	D101 (0-10V Dimming 1%)	27 (277V Non-IC Only, for	I400 (Wood Joist Bar Hangers)
			L3 <sup>3</sup> (26 Watts)	ED10V1 <sup>5</sup> (eldoLED 0-10V 1%)	-IC housing options	EM7 <sup>8</sup> (7W Emergency Backup
				ED10V01 <sup>5</sup> (eldoLED 0-10V 0.1%)	use blank)	IOTA Part #ILB-CP07-A)
				LUT <sup>6</sup> (Lutron® LDE1 EcoSystem 1%)		EM12 <sup>8,9</sup> (12W Emergency Backup
				DMXR <sup>7</sup> (DMX512 RDM 0.1%)		IOTA Part #ILB-CP12-A)

### Trim Part Number (Example: MXTG2-SWLR302WL13024-SL)

Trim	Finish	Wattage	CCT / CRI	Optic	Lens	
MXTG2-SWLR302 (1/2" Regress)	W (White)	L0 (10 Watts)	27 (2700K / 82 CRI)	09 <sup>10</sup> (9° Narrow Spot)	-SL (Solite)	
	B (Black)	L1 (16 Watts)	279 (2700K / 92 CRI)	12 (12° Spot)	-CR (Clear Tempered)	
	SN (Satin Nickel)	L2 (20 Watts)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)	-FR (Frosted)	
	AB (Antique Bronze)	L3 <sup>3</sup> (26 Watts)	309 (3000K / 92 CRI)	36 (36° Flood)		
		35 (3500K / 82 CRI)	309 (3000K / 92 CRI)	50 (50° Wide Flood)		
		359 (3500K / 92 CRI)				
		41 (4100K / 82 CRI)				
		419 (4100K / 92 CRI)				

### Notes:

- ENERGY STAR® Qualified (White reflectors only); Excludes: L2, L3, 92 CRI & 9° options
- L0 only; Excludes: 82 CRI & 9° options
- 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 in L0
- 9° NS available in 279 with L0 or L1 Only

MX WOOD CEILING L/M-1003.23 P-21

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.

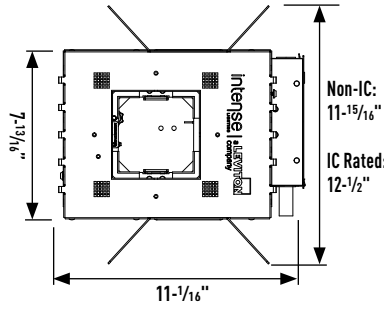
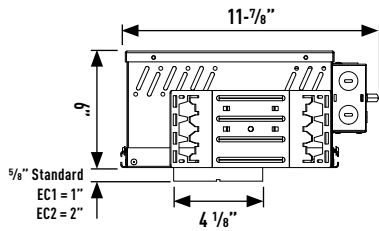
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# MXG2DSTR

3.5" MX G2 LED Square Lensed Downlight Wood Ceiling - Wet Location

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## NON-IC & AIR TIGHT IC DIMENSIONS



### Plaster Frame Accommodation

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

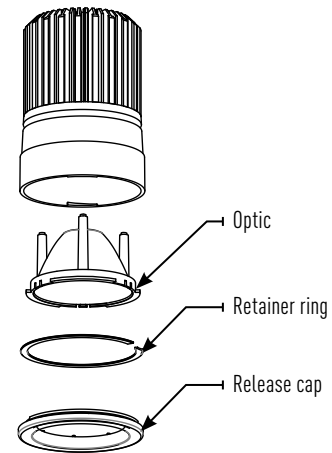
Ceiling Cut Out: 4 1/8"

## 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-STRD302WLO-CR

Report #: ILL-02102016-10.3 (12)  
 ILL-02102016-09.3 (24)  
 ILL-02182016-03.3 (36)  
 ILL-02122016-05.3 (50)

### MXTG2-SWLR302

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.93)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.59)

### 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)

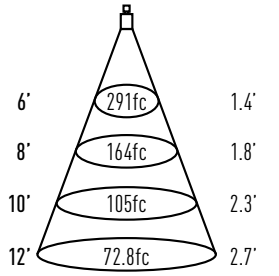
### LENS MULTIPLIERS:

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

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

### 12° Spot (12)

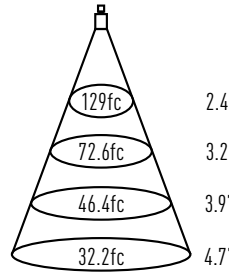


Watts: 10  
 Lumens: 613  
 LPW: 61  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	10487
5°	5786
15°	386
25°	85
35°	31
45°	5

### 24° Narrow Flood (24)

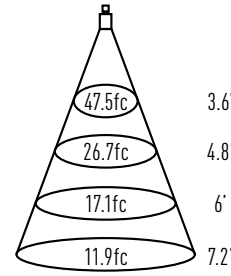


Watts: 10  
 Lumens: 707  
 LPW: 71  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	4643
5°	3846
15°	1041
25°	131
35°	18
45°	3

### 36° Flood (36)

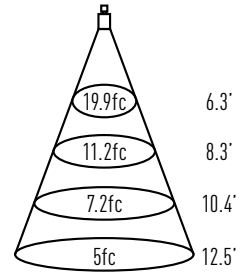


Watts: 10  
 Lumens: 714  
 LPW: 71  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1712
5°	1740
15°	1212
25°	435
35°	79
45°	7

### 50° Wide Flood (50)



Watts: 10  
 Lumens: 644  
 LPW: 64  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	718
5°	716
15°	669
25°	427
35°	178
45°	50

## MXTG2-STRD302WL1-CR

Report #: ILL-02102016-10.2 (12)  
 ILL-02102016-09.2 (24)  
 ILL-02182016-03.2 (36)  
 ILL-02122016-05.2 (50)

### MXTG2-SWLR302

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.93)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.59)

### 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)

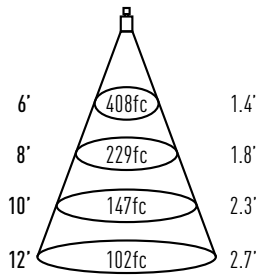
### LENS MULTIPLIERS:

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)

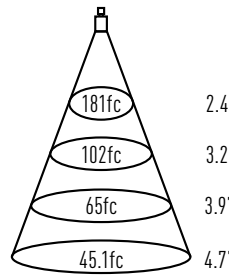


Watts: 15.5  
 Lumens: 858  
 LPW: 55  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	14682
5°	8100
15°	540
25°	119
35°	44
45°	7

### 24° Narrow Flood (24)

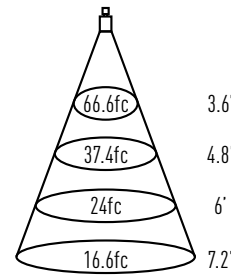


Watts: 15.4  
 Lumens: 989  
 LPW: 64  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	6501
5°	5384
15°	1457
25°	183
35°	25
45°	4

### 36° Flood (36)

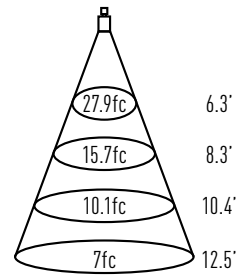


Watts: 15.6  
 Lumens: 1000  
 LPW: 64  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2396
5°	2436
15°	1697
25°	609
35°	110
45°	9

### 50° Wide Flood (50)



Watts: 15.5  
 Lumens: 901  
 LPW: 58  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1005
5°	1002
15°	936
25°	598
35°	249
45°	70

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

## MXTG2-STRD302WL2-CR

Report #: ILL-02102016-10.1 (12)  
 ILL-02102016-09.1 (24)  
 ILL-02182016-03.1 (36)  
 ILL-02122016-05.1 (50)

### MXTG2-SWLR302

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.93)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.59)

### 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)

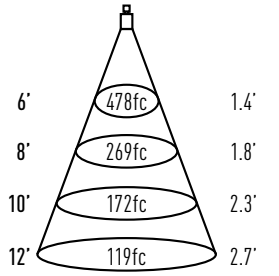
### LENS MULTIPLIERS:

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

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

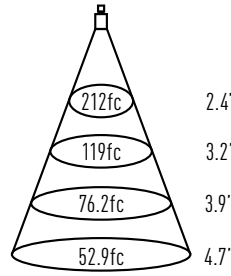


Watts: 20.5  
 Lumens: 1005  
 LPW: 49  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	17199
5°	9489
15°	632
25°	140
35°	51
45°	8

### 24° Narrow Flood (24)

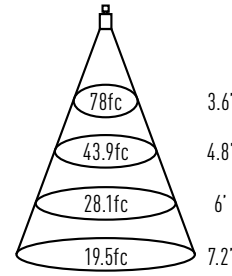


Watts: 20.5  
 Lumens: 1159  
 LPW: 57  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	7615
5°	6307
15°	1706
25°	214
35°	30
45°	5

### 36° Flood (36)

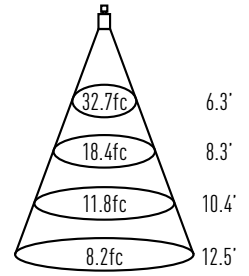


Watts: 20.4  
 Lumens: 1172  
 LPW: 57  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2807
5°	2854
15°	1988
25°	714
35°	129
45°	11

### 50° Wide Flood (50)



Watts: 20.4  
 Lumens: 1056  
 LPW: 52  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1178
5°	1174
15°	1097
25°	701
35°	292
45°	82

## MXTG2-STRD302WL3-CR

Report #: ILL-02102016-10.2 (12)  
 ILL-02102016-09.2 (24)  
 ILL-02182016-03.2 (36)  
 ILL-02122016-05.2 (50)

### MXTG2-SWLR302

Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.93)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.59)

### 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)

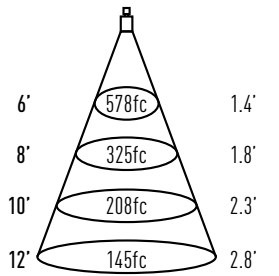
### LENS MULTIPLIERS:

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)

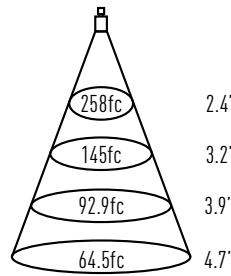


Watts: 26.2  
 Lumens: 1226  
 LPW: 47  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	20818
5°	11572
15°	771
25°	170
35°	62
45°	9

### 24° Narrow Flood (24)

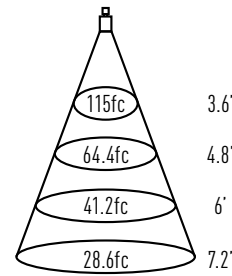


Watts: 26.3  
 Lumens: 1413  
 LPW: 54  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	9287
5°	7692
15°	2081
25°	261
35°	36
45°	6

### 36° Flood (36)

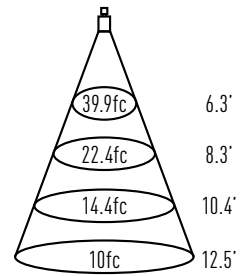


Watts: 26.1  
 Lumens: 1722  
 LPW: 66  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	4124
5°	4193
15°	2921
25°	1049
35°	189
45°	16

### 50° Wide Flood (50)



Watts: 26.1  
 Lumens: 1288  
 LPW: 49  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1436
5°	1432
15°	1337
25°	855
35°	356
45°	99