

# MXG2DSTR

## 3.5" MX G2 LED Square Downlight Wood Ceiling

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	750lm	75
L1	16W	3000K / 82 CRI	1000lm	63
L2	20W	3000K / 82 CRI	1250lm	78
L3	26W	3000K / 82 CRI	1850lm	71

\*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 24,500 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.

### 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

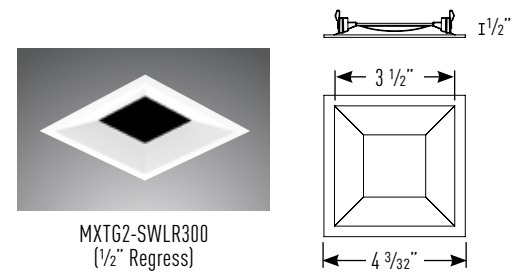
Remote test switch included. External battery operates LED load at a minimum of 500 to 850 lumens for 90 minutes, depending on backup wattage selected. See trim multipliers for detailed performance. Servicing requires above ceiling access.

### ACCESSORIES

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

### LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC) Air-Tight Certified ASTM E283
- (-IC) 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>



MXG2-SWLR300  
(1/2" Regress)

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: MXG2DRTR-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 -IC: 120V/277V) 27 (277V Non-IC Only, for -IC housing options use blank)	I100 (C-Channel Bar Hangers)
		EC1 (1")	L1 (16 Watts)	DELV <sup>4</sup> (Phase Dimming)		I200 (Flat Bar Hangers)
	EC2 (2")	L2 (20 Watts)	D101 (0-10V Dimming 1%)	I400 (Wood Joist Bar Hangers)		
		L3 <sup>3</sup> (26 Watts)	ED10V1 <sup>5</sup> (eldoLED 0-10V 1%)	-EM7 <sup>8</sup> (7W Emergency Backup <a href="#">IOTA Part #ILB-CP07-A</a> )		
			ED10V01 <sup>5</sup> (eldoLED 0-10V 0.1%)	-EM12 <sup>8,9</sup> (12W Emergency Backup <a href="#">IOTA Part #ILB-CP12-A</a> )		
			LUT <sup>6</sup> (Lutron® LDE1 EcoSystem 1%)			
			DMXR <sup>7</sup> (DMX512 RDM 0.1%)			

### Trim Part Number (Example: MXTG2-SWLR300WL13024)

TRIM	FINISH	WATTAGE	CCT / CRI	OPTIC
MXTG2-SWLR300 (1/2" Regress)	W (White)	L0 (10 Watts)	27 (2700K / 82 CRI)	09 <sup>10</sup> (9° Narrow Spot)
	B (Black)	L1 (16 Watts)	279 (2700K / 92 CRI)	12 (12° Spot)
	SN (Satin Nickel)	L2 (20 Watts)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)
	AB (Antique Bronze)	L3 <sup>3</sup> (26 Watts)	309 (3000K / 92 CRI)	36 (36° Flood)
		35 (3500K / 82 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
- Excludes: L2, L3, 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-17

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.

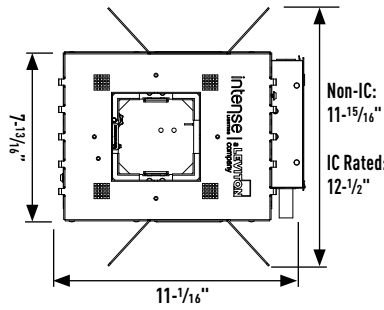
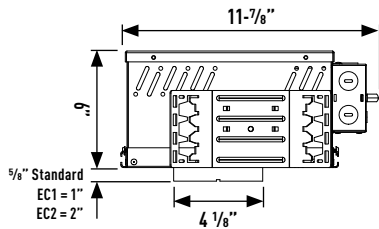
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# MXG2DSTR

3.5" MX G2 LED Square Downlight Wood Ceiling

JOB NAME		CATALOG NUMBER	
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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"

## ACCESSORIES

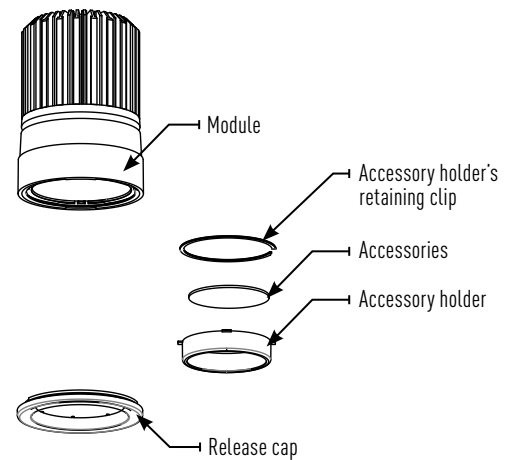
Luminaire will accommodate (2) accessories, accessory holder required.

## 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)

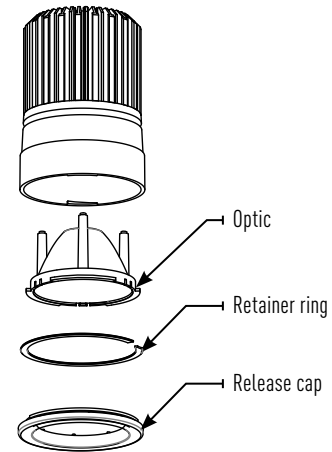


## OPTICS REPLACEMENT

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>	(12° Spot)
<b>IP-OP4724</b>	(24° Narrow Flood)
<b>IP-OP4736</b>	(36° Flood)
<b>IP-OP4750</b>	(50° Wide Flood)



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

## MXTG2-STRD300WL0

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

### MXTG2-SWLR300

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

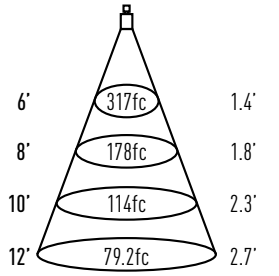
### CCT MULTIPLIERS:

	<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)

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

### 12° Spot (12)

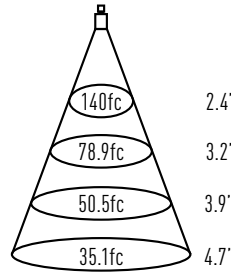


Watts: 10  
 Lumens: 666  
 LPW: 67  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	11399
5°	6289
15°	419
25°	93
35°	34
45°	5

### 24° Narrow Flood (24)

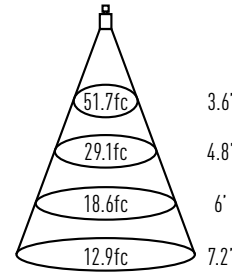


Watts: 10  
 Lumens: 768  
 LPW: 77  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	5047
5°	4180
15°	1131
25°	142
35°	20
45°	3

### 36° Flood (36)

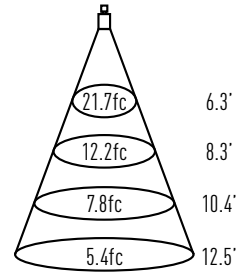


Watts: 10  
 Lumens: 777  
 LPW: 78  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1860
5°	1892
15°	1318
25°	473
35°	85
45°	7

### 50° Wide Flood (50)



Watts: 10  
 Lumens: 700  
 LPW: 70  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	780
5°	778
15°	727
25°	464
35°	193
45°	54

## MXTG2-STRD300WL1

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

### MXTG2-SWLR300

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

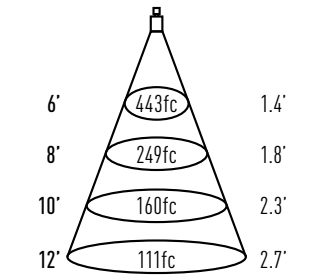
### CCT MULTIPLIERS:

	<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)

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

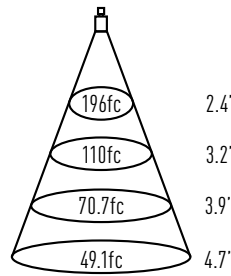


Watts: 15.5  
 Lumens: 933  
 LPW: 60  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	15959
5°	8805
15°	587
25°	130
35°	48
45°	7

### 24° Narrow Flood (24)

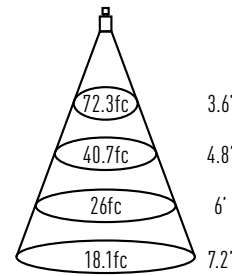


Watts: 15.4  
 Lumens: 1075  
 LPW: 70  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	7066
5°	5852
15°	1583
25°	199
35°	28
45°	4

### 36° Flood (36)

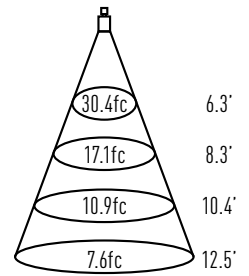


Watts: 15.6  
 Lumens: 1087  
 LPW: 70  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2605
5°	2648
15°	1845
25°	662
35°	120
45°	10

### 50° Wide Flood (50)



Watts: 15.5  
 Lumens: 980  
 LPW: 63  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1093
5°	1090
15°	1018
25°	650
35°	271
45°	76

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## MXTG2-STRD300WL2

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

### MXTG2-SWLR300

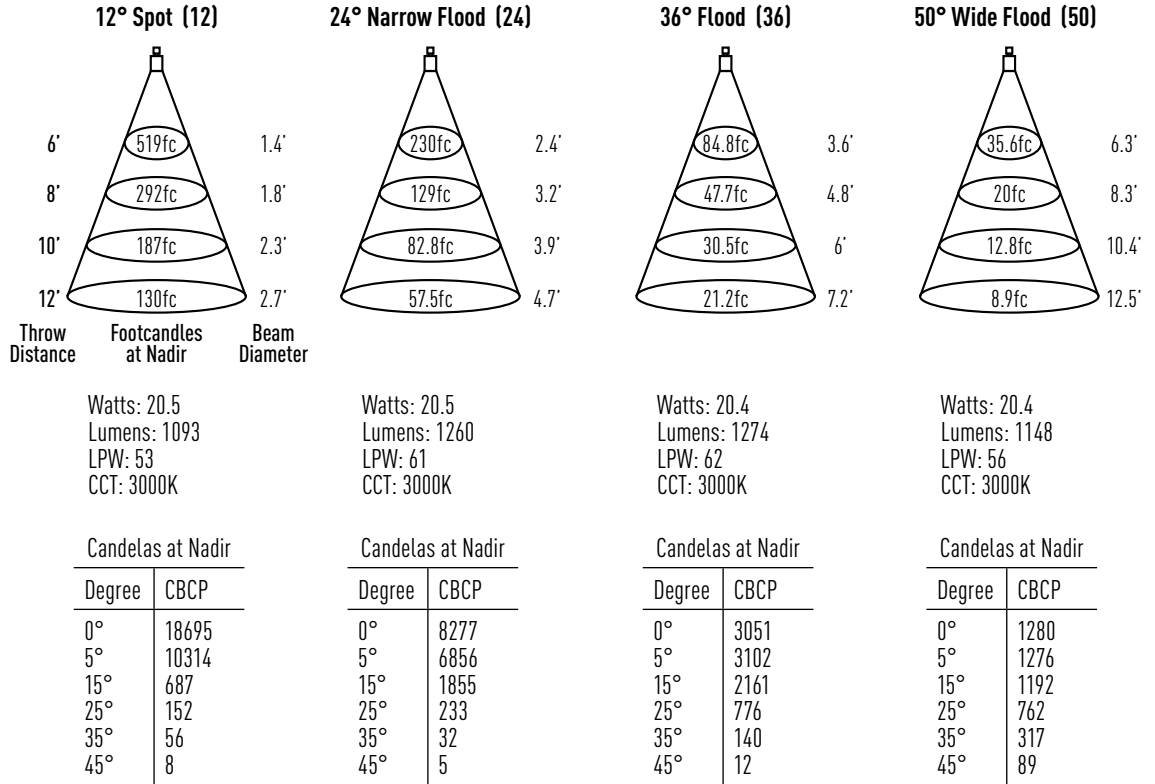
Ceiling Thickness Multipliers:  
 5/8" Thickness (x 0.93)  
 1" Thickness (x 0.80)  
 2" Thickness (x 0.59)

### 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)

### EMERGENCY MULTIPLIER:

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



## MXTG2-STRD300WL3

Report #: ILL-02102016-10 (12)  
 ILL-02102016-09 (24)  
 ILL-02182016-03 (36)  
 ILL-02122016-05 (50)

### MXTG2-SWLR300

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

### 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)

### EMERGENCY MULTIPLIER:

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

