

MXG2DRTR

3.5" MX G2 LED Lensed Pinhole 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	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)

TRIM SPECIFICATION

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

INSTALLATION

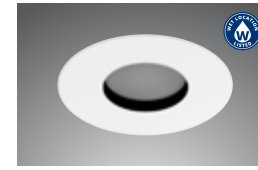
Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Butterfly brackets are compatible with C-channel, adjustable bar hangers (14"-25") and EMT. C-channel is recommended for T-bar ceilings. Bar hangers must be ordered separately. Max. ambient temperature: 95°F (35°C).

EMERGENCY BACKUP

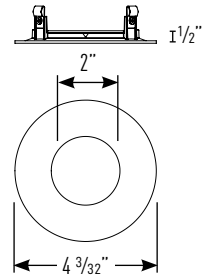
Remote test switch included. External battery operates LED load at a minimum of 400 to 650 lumens for 90 minutes, depending on backup wattage selected. See trim multipliers for detailed performance. Servicing requires above ceiling access. (EM not available with Chicago Plenum)

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



MXG2-RWLR308
(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: MXG2DRTR-ICL1)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming	Voltage	Options
MXG2DRTR	-NC (Non-IC)	blank (5/8")	L0 (10 Watts)	blank (Non-Dimming)	blank (Non-IC: 120V	I100 (C-Channel Bar Hangers) I200 (Flat Bar Hangers) I400 (Wood Joist Bar Hangers) EM7 ⁷ (7W Emergency Backup IOTA Part #ILB-CP07-A) EM12 ^{7,8} (12W Emergency Backup IOTA Part #ILB-CP12-A)
	-IC (Air-Tight IC)	EC1 ¹ (1")	L1 (16 Watts)	DELV ³ (Phase Dimming)	-IC/-CP: 120V/277V)	
	-CP (Chicago Plenum)	EC2 ¹ (2")	L2 (20 Watts)	D101 (0-10V Dimming 1%)	27 (277V Non-IC Only, for -IC/-CP housing options use blank)	
			L3 ² (26 Watts)	ED10V1 ⁴ (eldoLED 0-10V 1%)		
			L3 ² (26 Watts)	ED10V01 ⁴ (eldoLED 0-10V 0.1%)		
				LUT ⁵ (Lutron® LDE1 EcoSystem 1%)		
				DMXR ⁶ (DMX512 RDM 0.1%)		

Trim Part Number (Example: MXTG2-RWLR308WL13024-SL)

Trim	Finish	Wattage	CCT / CRI	Optic	Lens
MXTG2-RWLR308 (1/2" Regress)	W (White)	L0 (10 Watts)	27 (2700K / 82 CRI)	09° (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 ² (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:

- 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 & emergency option not available with Chicago plenum
- Not available in L0
- 9° NS available in 279 with L0 or L1 Only

MX WOOD CEILING L/M-1003.23 P-13

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.intenselight.com. For a printed copy of the warranty, you may call 800 961-5321.

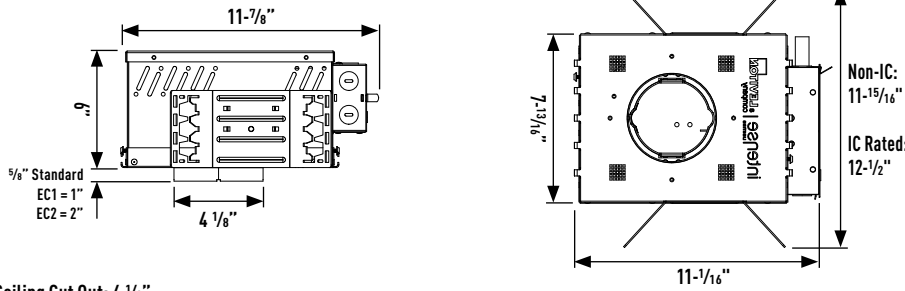
© 2023 Intense Lighting, LLC. All rights reserved. Note: This document is subject to change without notice.

MXG2DRTR

3.5" MX G2 LED Lensed Pinhole Wood Ceiling - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS

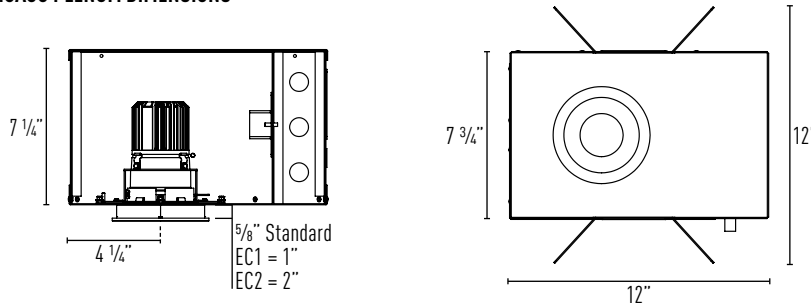


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

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

CCEA CHICAGO PLENUM DIMENSIONS



Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

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

ACCESSORIES

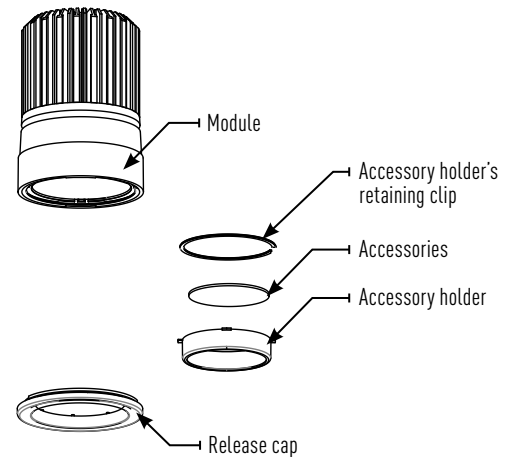
Luminaire will accommodate (2) accessories, accessory holder required.

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

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)

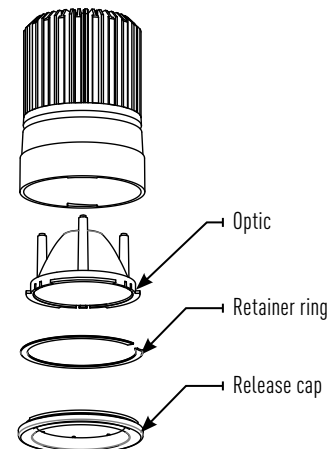


OPTICS REPLACEMENT

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)



MX WOOD CEILING L/M-1003.23 P-14

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. For a printed copy of the warranty, you may call 800 961-5321.

© 2023 Intense Lighting, LLC. All rights reserved. Note: This document is subject to change without notice.

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRD308L0-CR

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

MXTG2-RWLR308

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)

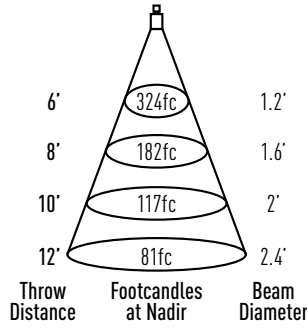
LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

12° Spot (12)

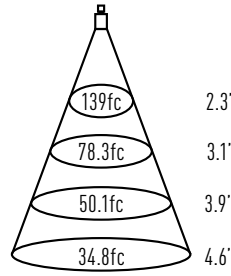


Watts: 10
 Lumens: 667
 LPW: 67
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

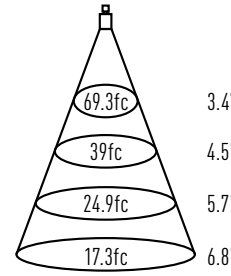


Watts: 10
 Lumens: 768
 LPW: 77
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

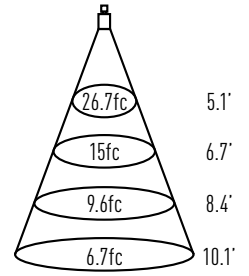


Watts: 10
 Lumens: 780
 LPW: 78
 CCT: 3000K

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-RTRD308L1-CR

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

MXTG2-RWLR308

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)

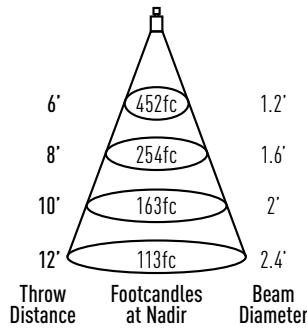
LENS MULTIPLIERS:

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)

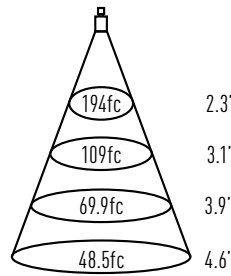


Watts: 15.4
 Lumens: 916
 LPW: 59
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

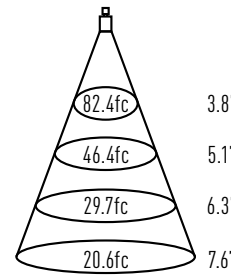


Watts: 15.6
 Lumens: 1072
 LPW: 69
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

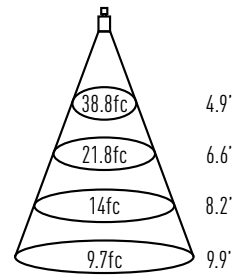


Watts: 15.4
 Lumens: 1108
 LPW: 71
 CCT: 3000K

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

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRD308L2-CR

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

MXTG2-RWLR308

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

CCT MULTIPLIERS:

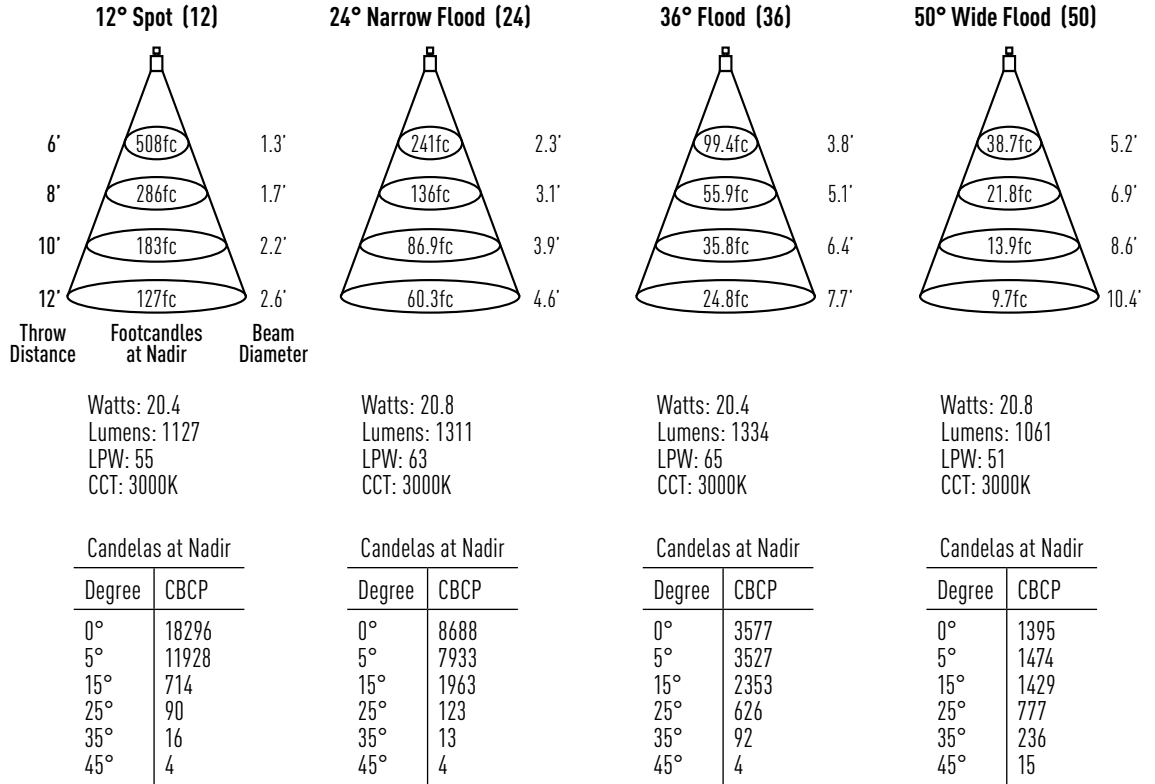
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

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



MXTG2-RTRD308L3-CR

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

MXTG2-RWLR308

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 0.35)
12W Emergency	(x 0.59)

