

MXG2DRTL

3.5" MX G2 LED Trimless Lensed Downlight - Wet Location

ELECTRICAL DATA

L0	10W	3000K / 82 CRI	850lm	85
L1	16W	3000K / 82 CRI	1200lm	75
L2	20W	3000K / 82 CRI	1400lm	70
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 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/-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 with durable powder coat available in multiple finishes. 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.

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).

EMERGENCY BACKUP

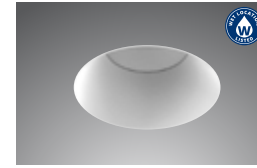
Remote test switch included. External battery operates LED load at a minimum of 500 to 850 lumens for 90 minutes, depending on backup wattage selected. See trim multipliers for detailed performance. Servicing requires above ceiling access. (EM not available with Chicago Plenum)

LISTING / WARRANTY

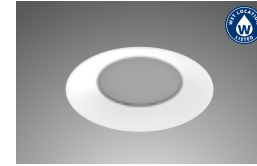
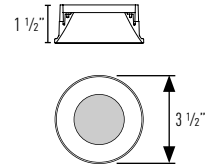
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum
- ENERGY STAR® Qualified¹
- Can be used to comply with 2016 Title 24, Part 6, JAB high efficacy LED light source requirements²



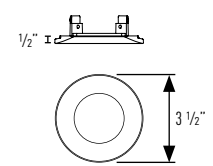
JOB NAME	CATALOG NUMBER
NOTES	TYPE



MXTG2-RTLD302
(1-1/2" regress with Lens)



MXTG2-RTL302
(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	I100 (C-Channel Bar Hangers)
	-IC (Air-Tight IC)	EC1 ³ (1")	L1 (16W)	DELV ⁵ (Phase Dimming)	-IC/-CP: 120V/277V)	I200 (Flat Bar Hangers)
	-CP (Chicago Plenum)	EC2 ³ (2")	L2 (20W)	D101 (0-10V Dimming 1%)	27 (277V Non-IC Only, for -IC/-CP housing options use blank)	I400 (Wood Joist Bar Hangers)
			L3 ⁴ (26W)	ED10V1 ⁶ (eldoLED 0-10V 1%)		EM7⁹ (7W Emergency Backup IOTA Part #ILB-CP07-A)
				ED10V01 ⁶ (eldoLED 0-10V 0.1%)		EM12¹⁰ (12W Emergency Backup IOTA Part #ILB-CP12-A)
				LUT ⁷ (Lutron® LDE1 EcoSystem 1%)		
				DMXR ⁸ (DMX512 RDM 0.1%)		

Trim Part Number (Example: MXTG2-RTLD302WL13024-SL)

Trim	Finish	Wattage	CCT / CRI	Optic	Lens
MXTG2-RTLD302 (1-1/2" regress)	W (White)	L0 (10W)	27 (2700K / 82 CRI)	09 ¹¹ (9° Narrow Spot)	-SL (Solite)
	B (Black)	L1 (16W)	279 (2700K / 92 CRI)	12 (12° Spot)	-CR (Clear Tempered)
MXTG2-RTL302 (1/2" Regress)	SN (Satin Nickel) AB (Antique Bronze)	L2 (20W)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)	-FR (Frosted)
		L3 ⁴ (26W)	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)
- L0 only; Excludes: 82 CRI & 9° options
- 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

MX DOWNLIGHTING LUM-104-23 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. For a printed copy of the warranty, you may call 800 961-5321.

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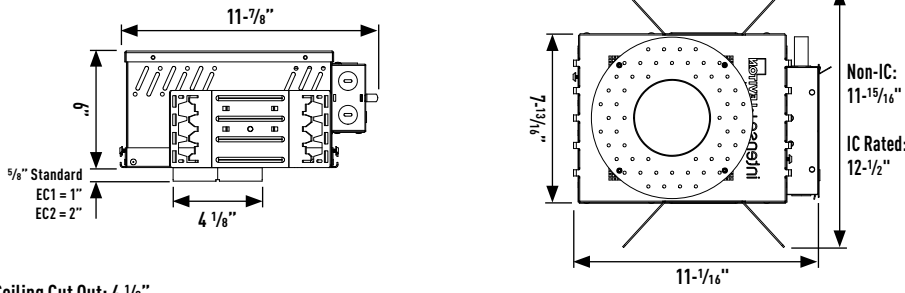


MXG2DRTL

3.5" MX G2 LED Trimless Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS

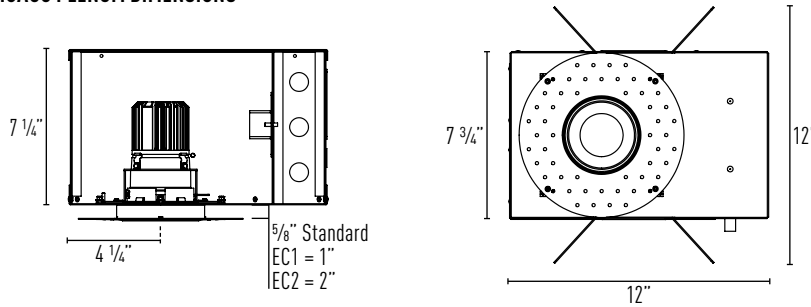


Plaster Frame Accommodation

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"

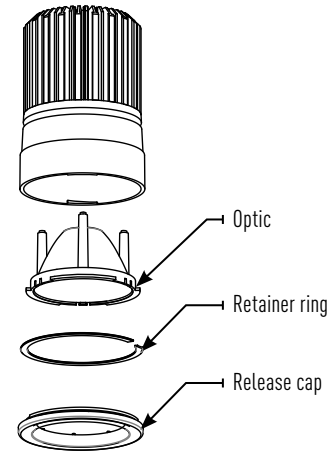
Ceiling Cut Out: 4 1/8"

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)



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTLD302WLO-CR

Report #: ILL-01262016-37 (12)
 ILL-01262016-40 (24)
 ILL-01262016-43 (36)
 ILL-01262016-46 (50)

MXTG2-RTLD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTL302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

CCT MULTIPLIERS:

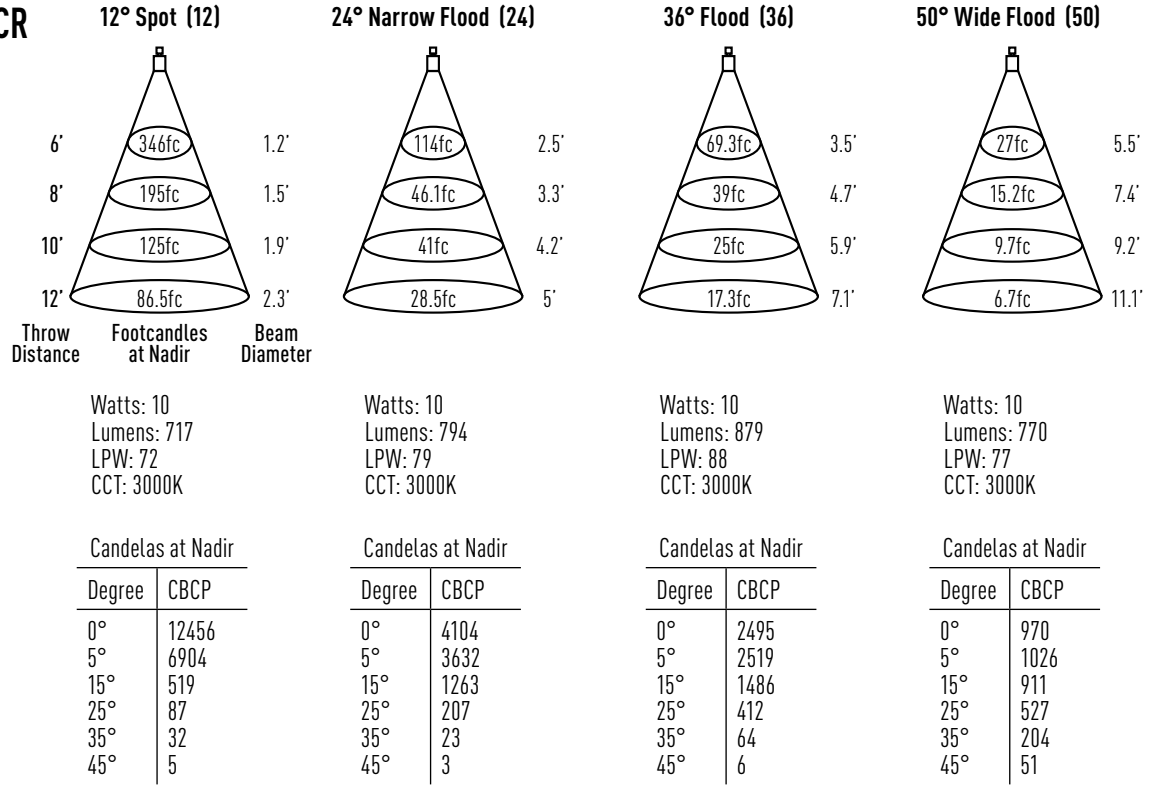
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)



MXTG2-RTLD302WL1-CR

Report #: ILL-01262016-13 (12)
 ILL-01262016-16 (24)
 ILL-01262016-19 (36)
 ILL-01262016-22 (50)

MXTG2-RTLD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTL302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

CCT MULTIPLIERS:

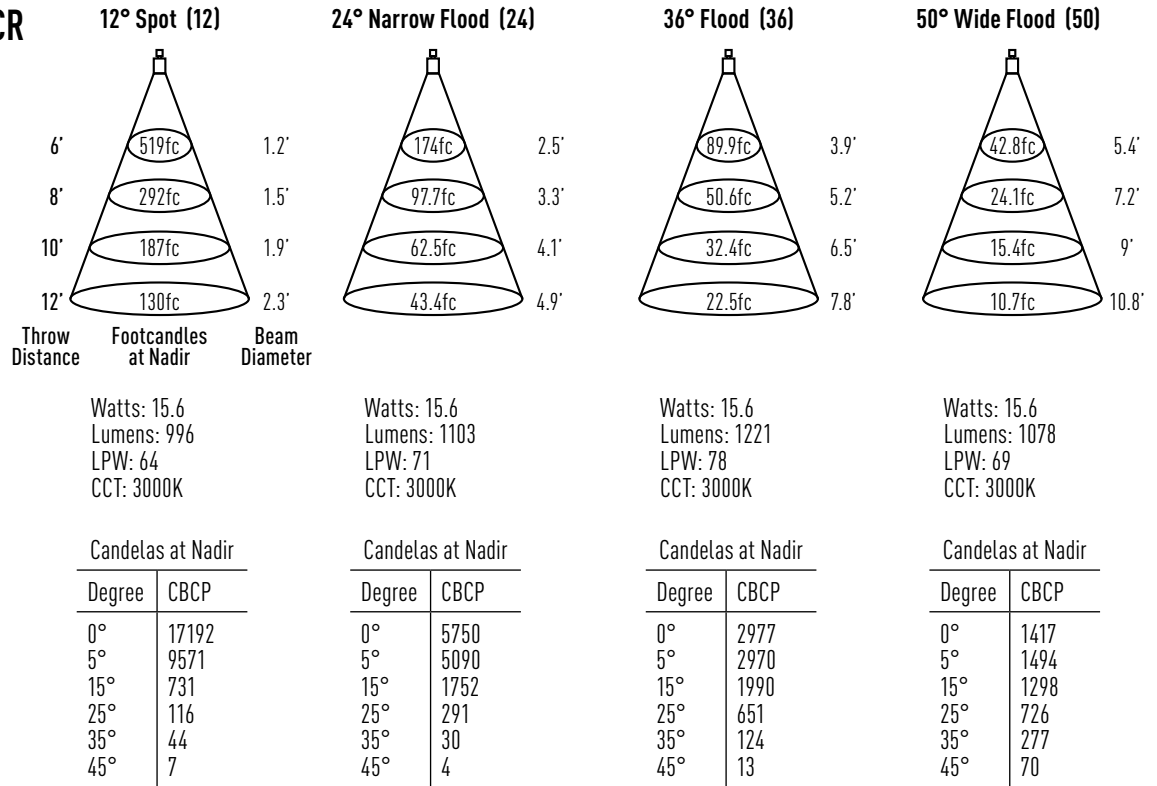
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

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)



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTLD302WL2-CR

Report #: ILL-01262016-25 (12)
 ILL-01262016-28 (24)
 ILL-01262016-31 (36)
 ILL-01262016-34 (50)

MXTG2-RTLD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTL302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

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)

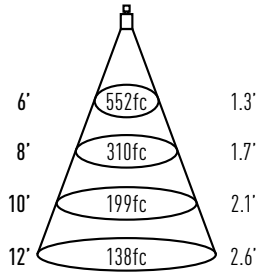
LENS MULTIPLIERS:

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)

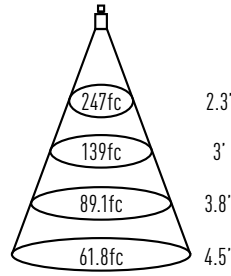


Watts: 20.4
 Lumens: 1246
 LPW: 66
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	19864
5°	12604
15°	733
25°	159
35°	63
45°	10

24° Narrow Flood (24)

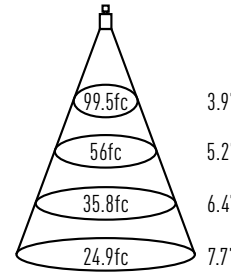


Watts: 20.4
 Lumens: 1411
 LPW: 75
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	8906
5°	7511
15°	2159
25°	253
35°	31
45°	4

36° Flood (36)

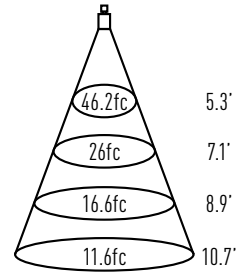


Watts: 20.4
 Lumens: 1433
 LPW: 76
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	3582
5°	3501
15°	2325
25°	762
35°	153
45°	14

50° Wide Flood (50)



Watts: 20.4
 Lumens: 1245
 LPW: 61
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1664
5°	1742
15°	1502
25°	835
35°	319
45°	81

MXTG2-RTLD302WL3-CR

Report #: ILL-01262016-10 (12)
 ILL-01262016-07 (24)
 ILL-01262016-01 (36)
 ILL-01062016-04 (50)

MXTG2-RTLD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTL302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

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)

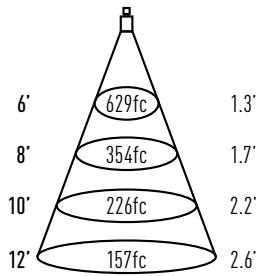
LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

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

12° Spot (12)

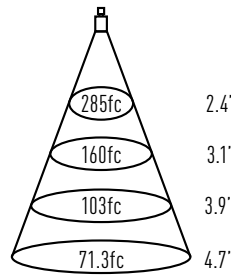


Watts: 26.3
 Lumens: 1446
 LPW: 55
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	22627
5°	14524
15°	824
25°	180
35°	67
45°	12

24° Narrow Flood (24)

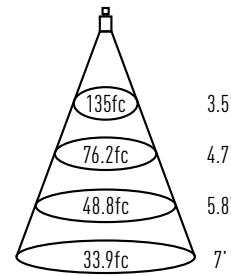


Watts: 26.3
 Lumens: 1726
 LPW: 66
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	11154
5°	9641
15°	2938
25°	345
35°	40
45°	6

36° Flood (36)

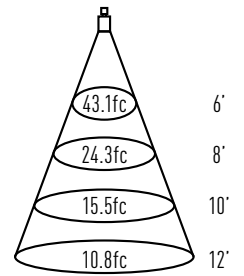


Watts: 26.4
 Lumens: 1664
 LPW: 63
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	4878
5°	4800
15°	2783
25°	756
35°	131
45°	13

50° Wide Flood (50)



Watts: 26.3
 Lumens: 1340
 LPW: 51
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1553
5°	1581
15°	1461
25°	919
35°	390
45°	112