

MXG2DRTR

3.5" MX G2 TunableWhite Lensed Pinhole

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
TW05	8W	3500K / 92 CRI	500lm	62.5 lm/W
TW0	11W	3500K / 92 CRI	750lm	68.2 lm/W
TW1	17W	3500K / 92 CRI	1000lm	58.8 lm/W

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

FEATURES

- Multiple architectural trim options
- Field changeable 14°, 26°, 30° or 45° optics

LED LIGHT ENGINE

- Tuning range from 2700K-6500K at a minimum of 92 CRI
- 3 SDCM binning throughout the tunable CCT range
- Wattage: 8W to 17W
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

ELECTRICAL SYSTEM

- 120V or 277V input; Power factor >.9, 50/60Hz
- 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

- elDoLED Dual Drive 2CH 0-10V 0.1% (Remote Only)
- Lutron T-Series 1% 2CH tunable white driver (Remote Only)
- DMX512 RDM 8-bit 0.1% (Remote Only)
- elDoLED Dual Drive DALI (DT6/DT8) 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. Trims available in 1-1/2" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

INSTALLATION

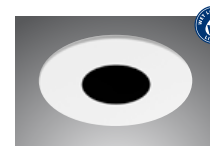
Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Butterfly brackets are compatible with C-channel, adjustable bar hangers (14"-25") and EMT. C-channel is recommended for T-bar ceilings.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

REMOTE BOX

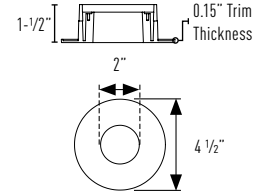
- Remote box included when required by specification
- Galvanized steel construction
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

LISTING / WARRANTY

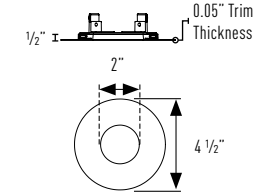
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum



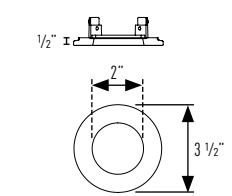
MXTG2-RTRD308
(1-1/2" Regress with Lens)



MXTG2-RFRR308
(1/2" Lensed Flat Mount)



MXTG2-RTL308
(1/2" Regress with Lens)



Available Trim Finishes:



Housing Part Number (Example: MXG2DRTR-ICTW05-ED10V01)

Housing Type	Ceiling Thickness	Wattage	Dimming	Voltage
MXG2DRTR-NC (Non-IC)	blank (5/8")	TW05 (8W)	-ED10V01 ¹ (elDoLED Dual Drive 2CH 0-10V 0.1%)	blank (Non-IC: 120V -IC/-CP: 120V/277V)
MXG2DRTR-IC (Air-Tight IC)	EC1 ¹ (1")	TW0 (11W)	-LUTT ¹ (Lutron® T Series 1%)	27 (277V Non-IC Only, for -IC/-CP housing options use blank)
MXG2DRTR-CP (Chicago Plenum)	EC2 ¹ (2")	TW1 (17W)	-DMXR ¹ (DMX512 RDM 8-bit 0.1%) -DALI6 ² (elDoLED Dual Drive DALI DT6 0.1%) -DALI8 ² (elDoLED Dual Drive DALI DT8 0.1%)	

Trim Part Number (Example: MXTG2-RTRD308WTW05SP-SL)

Trim	Trim Finish	CCT Range	Optic	Lens
MXTG2-RTRD308 (1-1/2" Lensed Regress)	W (White) B ⁴ (Black)	TW (2700K-6500K)	SP (14° SP) NF (26° NFL) FL (30° FL) WF (45° WFL)	-SL (Solite) -CR (Clear Tempered) -FR (Frosted)
MXTG2-RTL308 ³ (1-1/2" Lensed Regress Trimless)	SN ⁴ (Satin Nickel) AB ⁴ (Antique Bronze)			
MXTG2-RFRR308 (1/2" Lensed Flat Mount)				

Notes:

- AIC or CP only, Remote Box Required
- Not Available with AIC or CP in TW1
- Trimless options are for use with mud ring accessory only
- Consult factory for lead times

Bar Hangers

- 1100** (C-Channel Bar Hangers)
- 1200** (Flat Bar Hangers)
- 1400** (Wood Joist Bar Hangers)

Mud Ring

- MXR-MR**¹ (Round Trimless Mud Ring)

MX DOWNLIGHTING LUM-0213:25 P-16

INTENSE LIGHTING | 725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877 | fax 847 559-5505
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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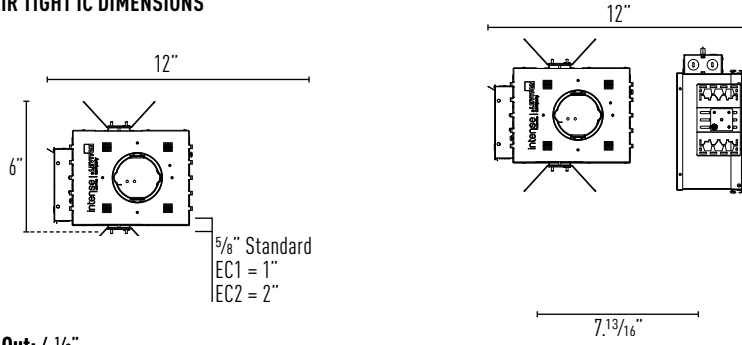
LEVITON Intense

MXG2DRTR

3.5" MX G2 TunableWhite Lensed Pinhole

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS

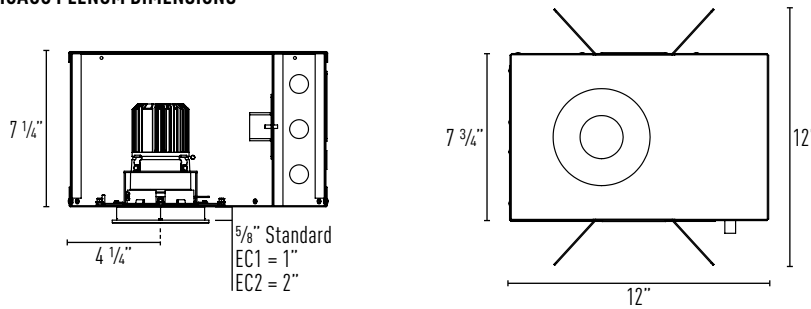


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

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

CCEA CHICAGO PLENUM DIMENSIONS

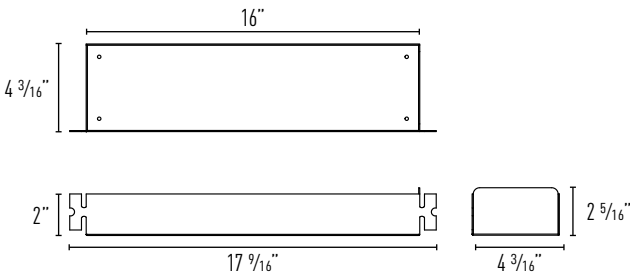


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

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

REMOTE MOUNTED DRIVER OPTIONS



Remote Driver Box For

eldoLED Dual Drive 2CH 0-10V 0.1%
Lutron T-Series 1% 2CH tunable white driver
DMX512 RDM 8-bit 0.1%

Note: Wires for class 2 LED driver require a minimum of 18 AWG wire at a maximum of 50 feet length per local and national electrical regulations.

Lumen Package	System Wattage		
	CCT	120V	277V
TW05 (500lm)	2700K	8W	10W
	3500K	8W	9W
	6000K	7W	8W
TW0 (750lm)	2700K	13W	14W
	3500K	11W	12W
	6000K	10W	12W
TW1 (1000lm)	2700K	21W	22W
	3500K	17W	18W
	6000K	16W	17W

MXG2DRTR

3.5" MX G2 TunableWhite Lensed Pinhole

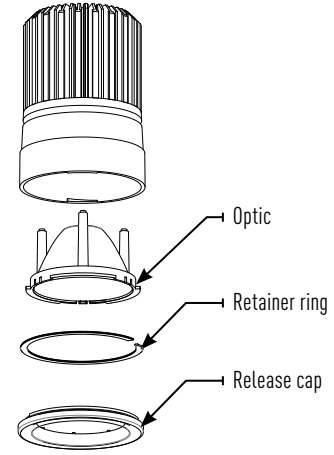
JOB NAME	CATALOG NUMBER
NOTES	TYPE

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 (14° Spot)
- IP-OP4724 (26° Narrow Flood)
- IP-OP4736 (30° Flood)
- IP-OP4750 (45° Wide Flood)



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-RTRD308

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

MXTG2-RFRR308

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)

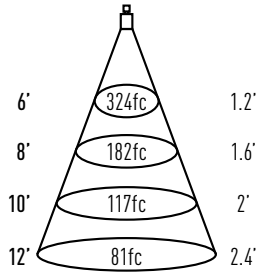
LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

12° Spot (12)

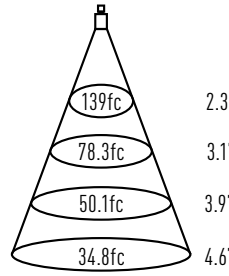


Watts: 10
 Lumens: 667
 LPW: 67
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

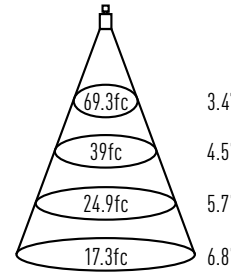


Watts: 10
 Lumens: 768
 LPW: 77
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

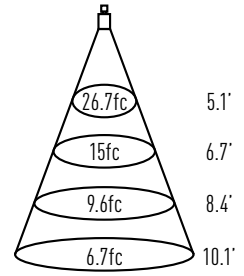


Watts: 10
 Lumens: 780
 LPW: 78
 CCT: 3000K

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-RTRD308

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

MXTG2-RFRR308

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)

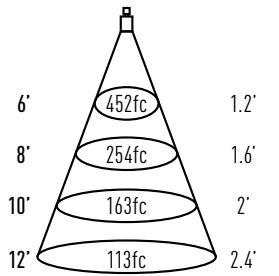
LENS MULTIPLIERS:

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)

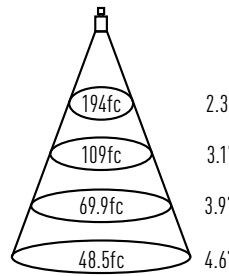


Watts: 15.4
 Lumens: 916
 LPW: 59
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

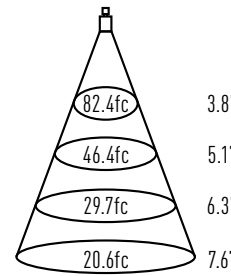


Watts: 15.6
 Lumens: 1072
 LPW: 69
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

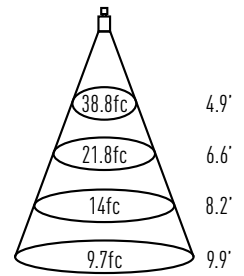


Watts: 15.4
 Lumens: 1108
 LPW: 71
 CCT: 3000K

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-RTRD308

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

MXTG2-RFRR308

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)

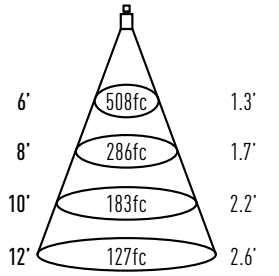
LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

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

12° Spot (12)

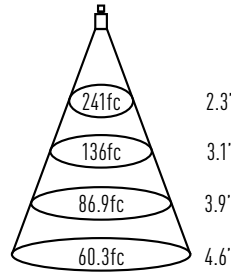


Watts: 20.4
 Lumens: 1127
 LPW: 55
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

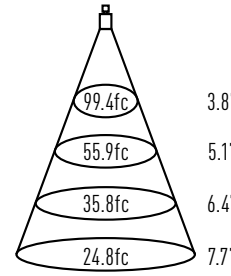


Watts: 20.8
 Lumens: 1311
 LPW: 63
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

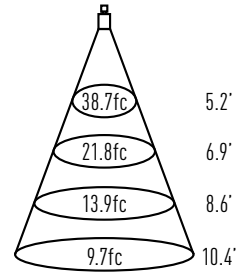


Watts: 20.4
 Lumens: 1334
 LPW: 65
 CCT: 3000K

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-RTRD308L3-CR

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

MXTG2-RTRD308

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

MXTG2-RFRR308

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)

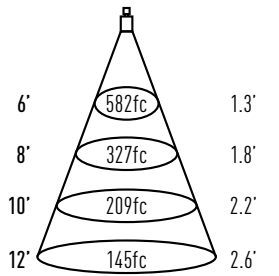
LENS MULTIPLIERS:

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

EMERGENCY MULTIPLIER:

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

12° Spot (12)

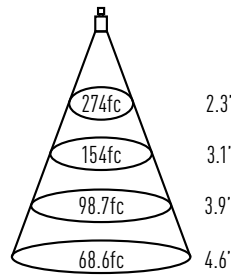


Watts: 26.3
 Lumens: 1300
 LPW: 49
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

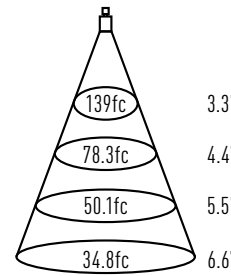


Watts: 26.3
 Lumens: 1491
 LPW: 57
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

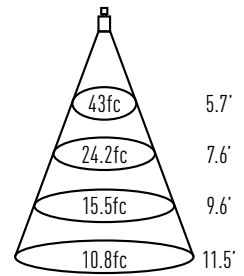


Watts: 26.4
 Lumens: 1497
 LPW: 57
 CCT: 3000K

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