

# MXG2DRTR

## 3.5" MX G2 TunableWhite Lensed Downlight - Wet Location

### 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

- Multiple dimming drivers available
- (Non-IC) 120V or 277V input; Power factor >.9 50/60Hz
- (-IC/-CP) Universal 120V/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 die-cast A380 aluminum trims with durable powder coat finishes. Architectural, discrete self flange or painted white flange options available. 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

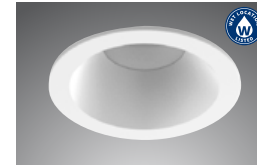
- Remote box included when required by specification
- Galvanized steel construction
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

### LISTING / WARRANTY

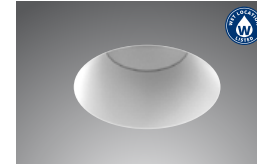
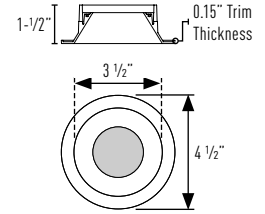
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum



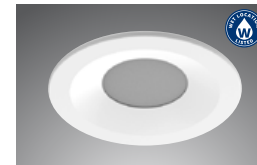
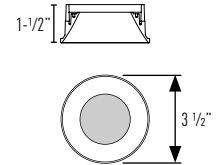
JOB NAME	CATALOG NUMBER
NOTES	TYPE



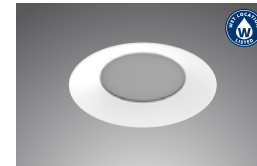
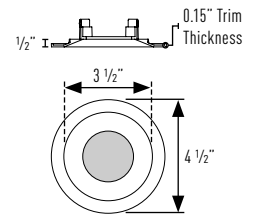
**MXTG2-RTRD302**  
(1-1/2" Lensed Regress)



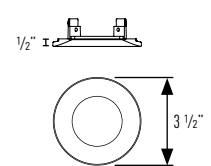
**MXTG2-RTLTD302**  
(1-1/2" Lensed Regress Trimless)



**MXTG2-RTRR302**  
(1/2" Lensed Regress)



**MXTG2-RTLTD302**  
(1/2" Lensed Regress Trimless)



Available Trim Finishes:



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

Housing Type	Ceiling Thickness	Wattage	Dimming	Voltage	Bar Hangers
<b>MXG2DRTR-NC</b> (Non-IC)	blank (5/8") <b>EC1</b> (1")	<b>TW05</b> (8W) <b>TW0</b> (11W)	<b>-ED10V01<sup>1</sup></b> (eldoLED Dual Drive 2CH 0-10V 0.1%) <b>-LUTT<sup>1</sup></b> (Lutron® T Series 1%)	blank (Non-IC: 120V -IC/-CP: 120V/277V)	<b>1100</b> (C-Channel Bar Hangers) <b>1200</b> (Flat Bar Hangers) <b>1400</b> (Wood Joist Bar Hangers)
<b>MXG2DRTR-IC</b> (Air-Tight IC)	<b>EC2</b> (2")	<b>TW1</b> (17W)	<b>-DMXR<sup>1</sup></b> (DMX512 RDM 8-bit 0.1%) <b>-DALI6<sup>2</sup></b> (eldoLED Dual Drive DALI DT6 0.1%) <b>-DALI8<sup>2</sup></b> (eldoLED Dual Drive DALI DT8 0.1%)	<b>27</b> (277V Non-IC Only, for -IC/-CP housing options use blank)	
<b>MXG2DRTR-CP</b> (Chicago Plenum)					

Trim Part Number (Example: MXTG2-RTRD302W-SFTWSP-SL)

Trim	Trim Finish	Trim Type	CCT Range	Optic	Lens
<b>MXTG2-RTRD302</b> (1-1/2" Lensed Regress Trimmed)	<b>W</b> (White) <b>B<sup>4</sup></b> (Black)	<b>-SF</b> (Self Flanged) <b>-SFW<sup>4</sup></b> (Self Flanged White)	<b>TW</b> (2700K-6500K)	<b>SP</b> (14° SP) <b>NF</b> (26° NFL) <b>FL</b> (30° FL) <b>WF</b> (45° WFL)	<b>-SL</b> (Solite) <b>-CR</b> (Clear Tempered) <b>-FR</b> (Frosted)
<b>MXTG2-RTLTD302<sup>3</sup></b> (1-1/2" Lensed Regress Trimless)	<b>SN<sup>4</sup></b> (Satin Nickel) <b>AB<sup>4</sup></b> (Antique Bronze)	blank <sup>3</sup> (Trimless, for use with mud ring only)			
<b>MXTG2-RTRR302</b> (1/2" Lensed Regress Trimmed)					
<b>MXTG2-RTLTD302<sup>3</sup></b> (1/2" Lensed Regress Trimless)					

#### Notes:

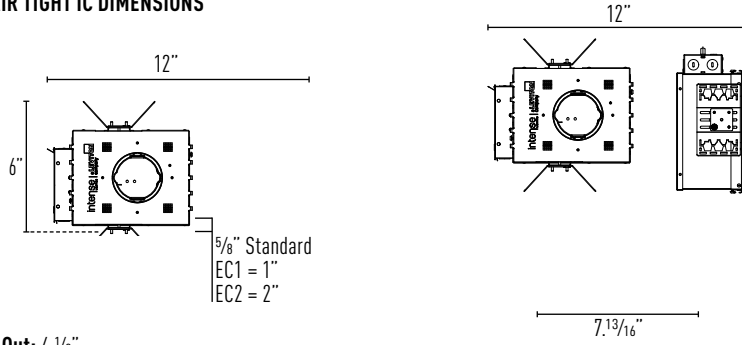
- AIC or CP only, Remote Box Required
- Not Available with AIC or CP in TW1
- Trimless options are for use with mud ring accessory only
- Consult factory for lead times

# MXG2DRTR

3.5" MX G2 TunableWhite Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## NON-IC & AIR TIGHT IC DIMENSIONS

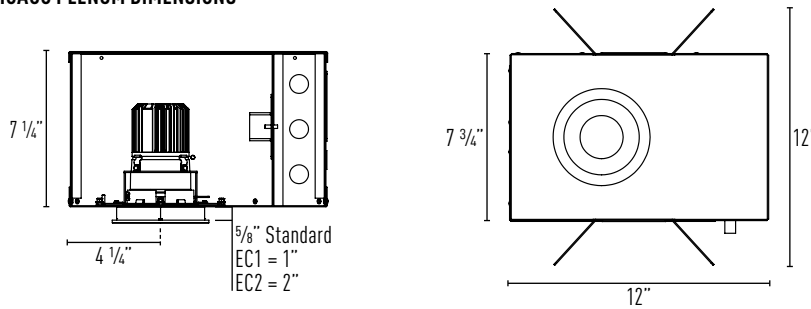


Ceiling Cut Out: 4 1/8"

### Plaster Frame Accommodation

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

## CCEA CHICAGO PLENUM DIMENSIONS

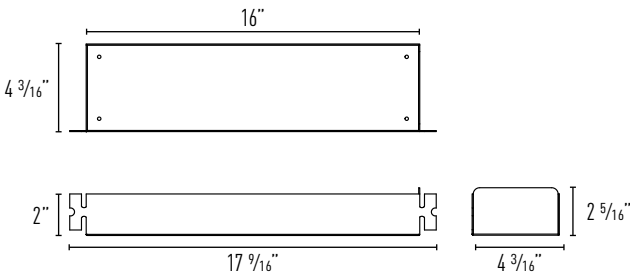


Ceiling Cut Out: 4 1/8"

### 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 Downlight - Wet Location

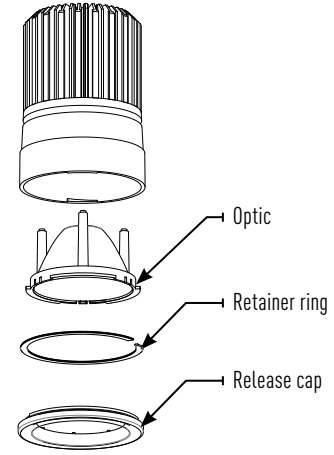
JOB NAME	CATALOG NUMBER
NOTES	TYPE

## 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)



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

## MXTG2-RTRD302WLO-CR

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

### MXTG2-RTRD302

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

### MXTG2-RTRR302

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)

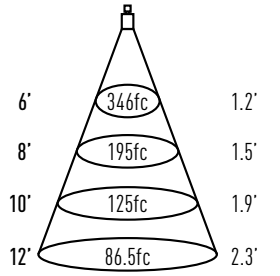
### LENS MULTIPLIERS:

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

### EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

### 12° Spot (12)

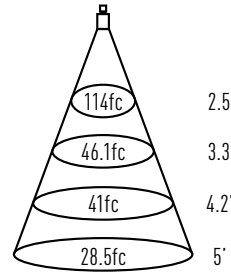


Watts: 10  
 Lumens: 717  
 LPW: 72  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	12456
5°	6904
15°	519
25°	87
35°	32
45°	5

### 24° Narrow Flood (24)

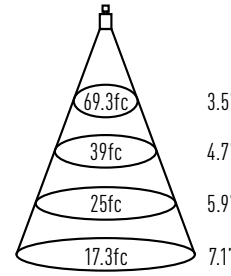


Watts: 10  
 Lumens: 794  
 LPW: 79  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	4104
5°	3632
15°	1263
25°	207
35°	23
45°	3

### 36° Flood (36)

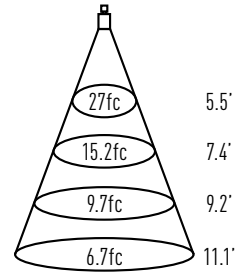


Watts: 10  
 Lumens: 879  
 LPW: 88  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2495
5°	2519
15°	1486
25°	412
35°	64
45°	6

### 50° Wide Flood (50)



Watts: 10  
 Lumens: 770  
 LPW: 77  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	970
5°	1026
15°	911
25°	527
35°	204
45°	51

## MXTG2-RTRD302WL1-CR

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

### MXTG2-RTRD302

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

### MXTG2-RTRR302

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)

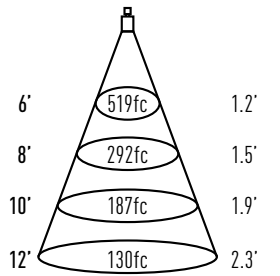
### LENS MULTIPLIERS:

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

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

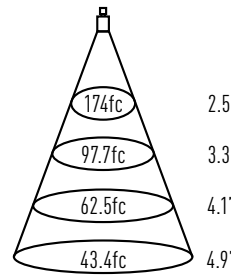


Watts: 15.6  
 Lumens: 996  
 LPW: 64  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	17192
5°	9571
15°	731
25°	116
35°	44
45°	7

### 24° Narrow Flood (24)

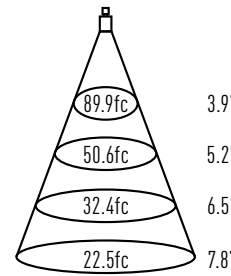


Watts: 15.6  
 Lumens: 1103  
 LPW: 71  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	5750
5°	5090
15°	1752
25°	291
35°	30
45°	4

### 36° Flood (36)

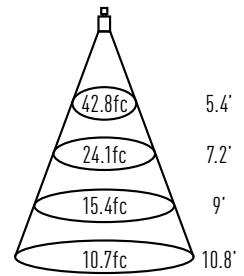


Watts: 15.6  
 Lumens: 1221  
 LPW: 78  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	2977
5°	2970
15°	1990
25°	651
35°	124
45°	13

### 50° Wide Flood (50)



Watts: 15.6  
 Lumens: 1078  
 LPW: 69  
 CCT: 3000K

### Candelas at Nadir

Degree	CBCP
0°	1417
5°	1494
15°	1298
25°	726
35°	277
45°	70

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

## MXTG2-RTRD302WL2-CR

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

### MXTG2-RTRD302

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

### MXTG2-RTRR302

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)

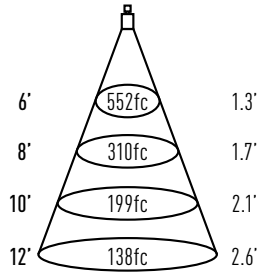
### LENS MULTIPLIERS:

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)

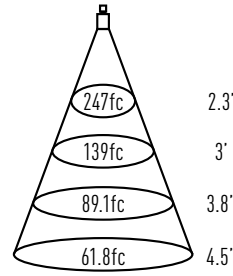


Watts: 20.4  
 Lumens: 1246  
 LPW: 66  
 CCT: 3000K

#### Candelas at Nadir

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

### 24° Narrow Flood (24)

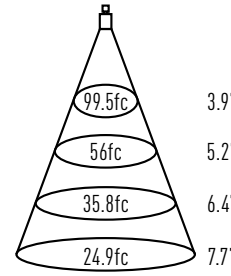


Watts: 20.4  
 Lumens: 1411  
 LPW: 75  
 CCT: 3000K

#### Candelas at Nadir

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

### 36° Flood (36)

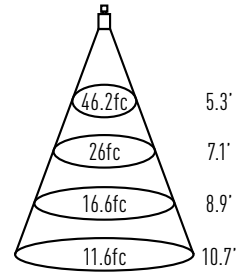


Watts: 20.4  
 Lumens: 1433  
 LPW: 76  
 CCT: 3000K

#### 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-RTRD302WL3-CR

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

### MXTG2-RTRD302

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

### MXTG2-RTRR302

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)

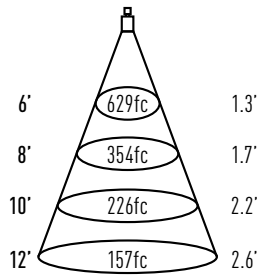
### LENS MULTIPLIERS:

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)

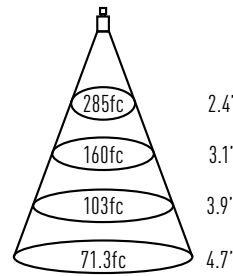


Watts: 26.3  
 Lumens: 1446  
 LPW: 55  
 CCT: 3000K

#### Candelas at Nadir

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

### 24° Narrow Flood (24)

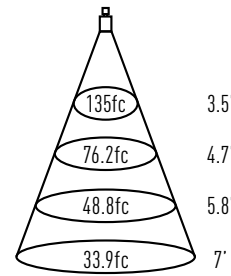


Watts: 26.3  
 Lumens: 1726  
 LPW: 66  
 CCT: 3000K

#### Candelas at Nadir

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

### 36° Flood (36)

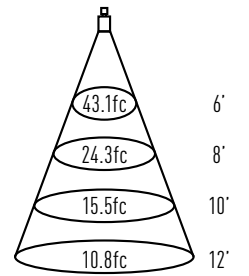


Watts: 26.4  
 Lumens: 1664  
 LPW: 63  
 CCT: 3000K

#### 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