

# MXFG2DRTR

## 3.5" MX G2 Naked LED Lensed Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

### ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
L0	11W	3000K / 82 CRI	850lm	85
L1	16W	3000K / 82 CRI	1200lm	45
L2	22W	3000K / 82 CRI	1400lm	40
L3	27W	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

- High center beam spot up to 22,600 CBCP
- Available optics: 12°, 24°, 36° or 50°

### 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

- Dedicated voltage options of 120V or 277V. Must be specified in catalog code.
- 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
- Lutron® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)
- DMX512 RDM 0.1%

### HOUSING

- Heavy duty galvanized 18 gauge steel frame
- Standard plaster frame accommodates 1/2" to 1-1/4" ceiling thickness
- Extended collar options available for ceilings up to 1-1/4" to 2-1/2" thick

### TRIM SPECIFICATION

- A380 aluminum die-cast trims
- Durable powder coat available in multiple finishes
- Clear tempered glass standard, must specify solite
- Discrete self flange painted

### INSTALLATION

- Non-IC rated housings must be kept at a minimum of 3" away from insulation
- Fixture includes adjustable bar hangers (14"-24") for wood joist or t-bar ceiling installations
- Bar hangers can be installed in either direction
- Maximum ambient temperature: 95°F (35°C)

### EMERGENCY BACKUP

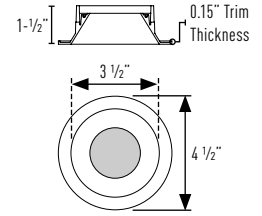
- Remote test switch included
- External battery operates LED load at a minimum of 450lm to 750lm for 90 minutes, depending on backup wattage
- Servicing requires above ceiling access

### LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations



**MXTFG2-RTRD302**  
(1-1/2" Regress)



### Available Trim Finishes



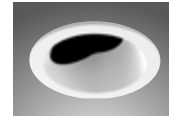
Housing dimensions are on Page 2

### Related Products

For adjustable, wall wash and other trim options see standard MX Downlight Products



Please see [MXG2DRTR](#)  
For more downlight trim options



Please see [MXG2ARTR](#)  
For adjustable alternative



Please see [MXG2WRTR](#)  
For wall alternative

### Housing Part Number (Example: MXFG2DRTR-NCL2DELV)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming	Voltage	Options
MXFG2DRTR	-NC (Non-IC)	blank (1/2" to 1-1/4") EC2 (1-1/4" to 2-1/2")	L0 (11W)	blank (Non-Dimming)	blank (120V) 27 (277V)	EM7 <sup>4</sup> (7W Emergency Backup <a href="#">IOTA Part #ILB-CP07-A</a> ) EM12 <sup>4,5</sup> (12W Emergency Backup <a href="#">IOTA Part #ILB-CP12-A</a> )
			L1 (16W)	DELV <sup>1</sup> (Phase Dimming)		
			L2 (22W)	D101 (0-10V Dimming 1%)		
			L3 (27W)	ED10V1 <sup>2</sup> (eldoLED 0-10V 1%)		
				ED10V01 <sup>2</sup> (eldoLED 0-10V 0.1%)		
				LUT <sup>3</sup> (Lutron® LDE1 EcoSystem 1%)		
	LUT2 <sup>1</sup> (Lutron® LTEA2W 2-Wire 1%)					

### Trim Part Number (Example: MXTFG2-RTRD302W-SFL13012-CR)

Trim	Trim Finish	Trim Type	Wattage	CCT / CRI	Optic	Lens
MXTFG2-RTRD302 (1-1/2" Regress)	W (White)	-SF (Self Flanged)	L0 (11W)	27 (2700K / 82 CRI)	12 (12° SP)	-CR (Clear Tempered Glass) -SL (Solite)
	B <sup>6</sup> (Black)		L1 (16W)	279 (2700K / 92 CRI)	24 (24° NFL)	
	SN <sup>6</sup> (Satin Nickel)		L2 (22W)	30 (3000K / 82 CRI)	36 (36° FL)	
			L3 (27W)	309 (3000K / 92 CRI)	50 (50° WFL)	
			35 (3500K / 82 CRI)	359 (3500K / 92 CRI)		
			41 (4100K / 82 CRI)	419 (4100K / 92 CRI)		

#### Notes:

- Available in 120V only
- Not Available in L3
- Not available with L2 & L3
- Access above ceiling required
- Not available in L0
- Consult factory for lead times

SPECIFICATION SHEET / M-0408/22 P.5

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

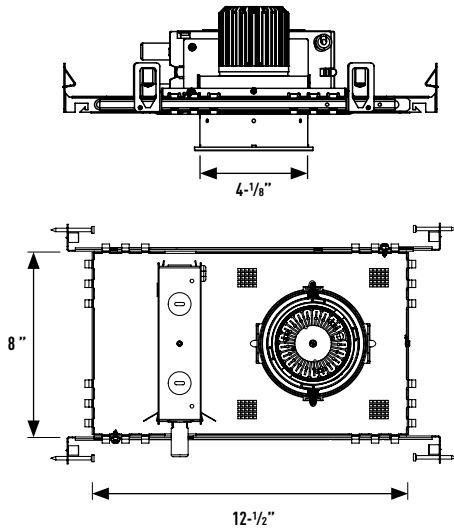
For Intense Lighting's limited product warranty, go to [www.intenselighting.com](http://www.intenselighting.com). For a printed copy of the warranty, you may call 800 961-5321.

© 2022 Intense Lighting, LLC. All rights reserved. Note: This document is subject to change without notice.

# MXFG2DRTR

3.5" MX G2 Naked LED Lensed Downlight

## HOUSING DIMENSIONS

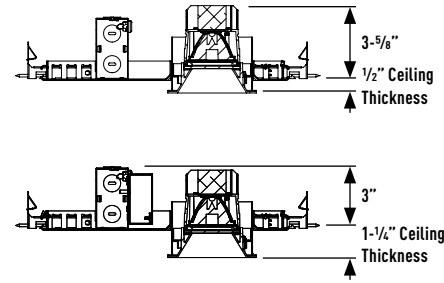


### Adjustable Collar Height

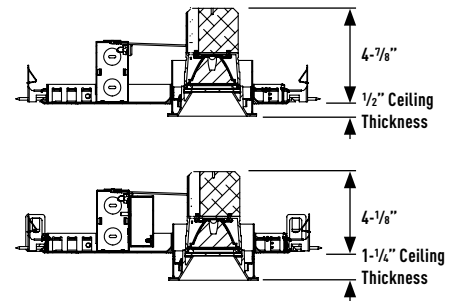
Collar Type	Standard	EC2
Max Ceiling Thickness	1/2" to 1-1/4"	1-1/4" to 2-1/2"

JOB NAME	CATALOG NUMBER
NOTES	TYPE

### L0-L1 Lumen Package



### L2-L3 Lumen Package



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

## MXTFG2-RTRD-302WLO-CR

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

### 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)

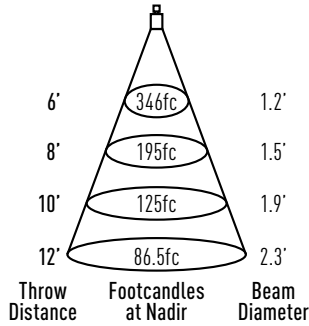
### LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

### EMERGENCY MULTIPLIER:

7W Emergency	(x 0.70)
--------------	----------

### 12° Spot (12)

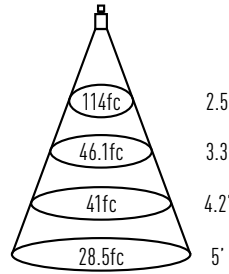


Watts: 11.3  
 Lumens: 717  
 LPW: 72  
 CCT: 3000K

#### Candelas at Nadir

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

### 24° Narrow Flood (24)

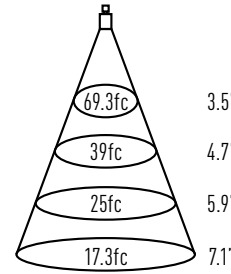


Watts: 11.3  
 Lumens: 794  
 LPW: 79  
 CCT: 3000K

#### Candelas at Nadir

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

### 36° Flood (36)

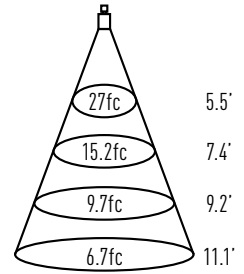


Watts: 11.3  
 Lumens: 879  
 LPW: 88  
 CCT: 3000K

#### Candelas at Nadir

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

### 50° Wide Flood (50)



Watts: 11.3  
 Lumens: 770  
 LPW: 77  
 CCT: 3000K

#### Candelas at Nadir

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

## MXTFG2-RTRD-302WL1-CR

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

### 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)

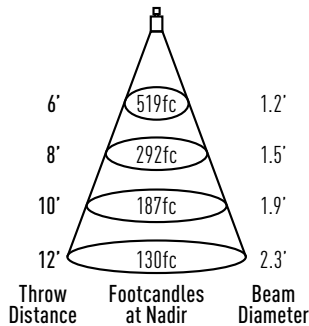
### LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

### EMERGENCY MULTIPLIER:

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

### 12° Spot (12)

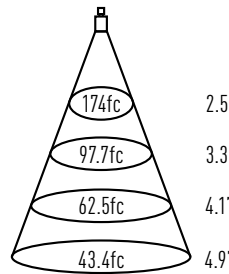


Watts: 16  
 Lumens: 996  
 LPW: 64  
 CCT: 3000K

#### Candelas at Nadir

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

### 24° Narrow Flood (24)

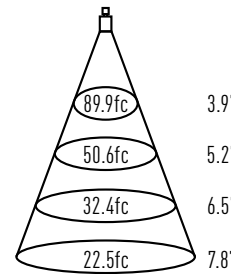


Watts: 16  
 Lumens: 1103  
 LPW: 71  
 CCT: 3000K

#### Candelas at Nadir

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

### 36° Flood (36)

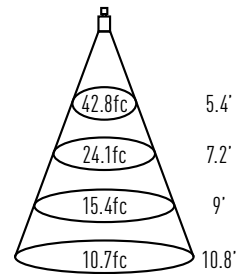


Watts: 16  
 Lumens: 1221  
 LPW: 78  
 CCT: 3000K

#### Candelas at Nadir

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

### 50° Wide Flood (50)



Watts: 16  
 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>	

## MXTFG2-RTRD-302WL2-CR

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

### CCT MULTIPLIERS:

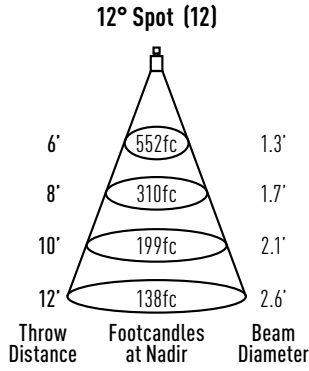
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

### LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

### EMERGENCY MULTIPLIER:

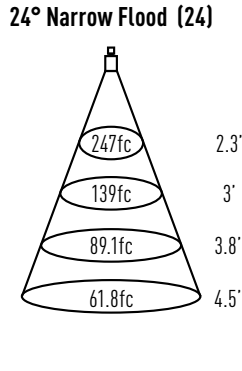
7W Emergency	(x 0.40)
12W Emergency	(x 0.68)



Watts: 21.5  
 Lumens: 1246  
 LPW: 66  
 CCT: 3000K

#### Candelas at Nadir

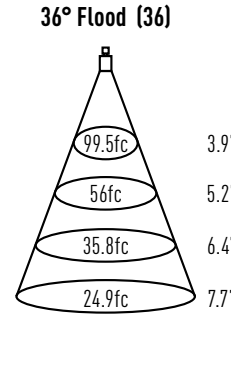
Degree	CBCP
0°	19864
5°	12604
15°	733
25°	159
35°	63
45°	10



Watts: 21.5  
 Lumens: 1411  
 LPW: 75  
 CCT: 3000K

#### Candelas at Nadir

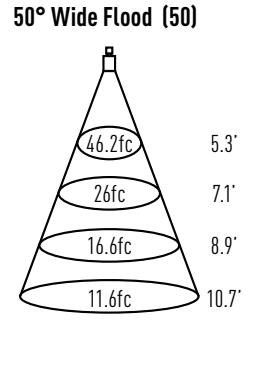
Degree	CBCP
0°	8906
5°	7511
15°	2159
25°	253
35°	31
45°	4



Watts: 21.5  
 Lumens: 1433  
 LPW: 76  
 CCT: 3000K

#### Candelas at Nadir

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



Watts: 21.5  
 Lumens: 1245  
 LPW: 61  
 CCT: 3000K

#### Candelas at Nadir

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

## MXTFG2-RTRD-302WL3-CR

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

### CCT MULTIPLIERS:

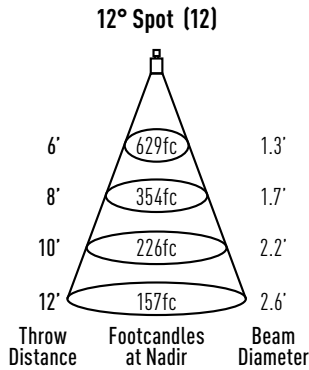
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

### LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

### EMERGENCY MULTIPLIER:

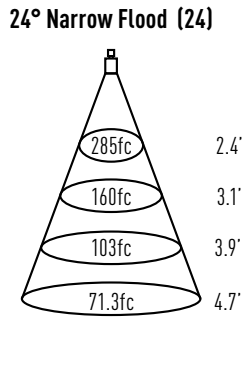
7W Emergency	(x 0.35)
12W Emergency	(x 0.59)



Watts: 27.2  
 Lumens: 1446  
 LPW: 55  
 CCT: 3000K

#### Candelas at Nadir

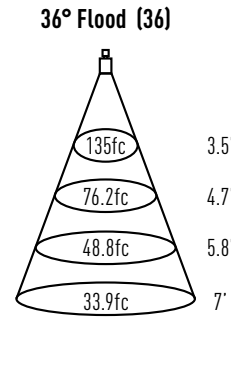
Degree	CBCP
0°	22627
5°	14524
15°	824
25°	180
35°	67
45°	12



Watts: 27.2  
 Lumens: 1726  
 LPW: 66  
 CCT: 3000K

#### Candelas at Nadir

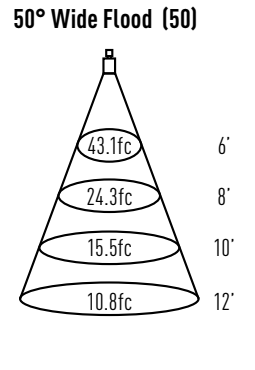
Degree	CBCP
0°	11154
5°	9641
15°	2938
25°	345
35°	40
45°	6



Watts: 27.2  
 Lumens: 1664  
 LPW: 63  
 CCT: 3000K

#### Candelas at Nadir

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



Watts: 27.2  
 Lumens: 1340  
 LPW: 51  
 CCT: 3000K

#### Candelas at Nadir

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