

MXFG2DRTR

3.5" MX G2 Naked LED Lensed Downlight

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
- 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

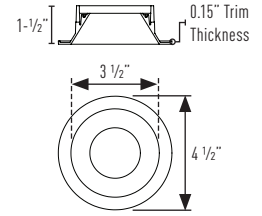
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



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



Available Trim Finishes



Housing dimensions on Page 2

Related Products

For Adjustable, Wall Wash and other Trim options see standard MX Downlight Products



See [MXG2DRTR](#) for more downlight trim options



See [MXG2ARTR](#) for adjustable alternative



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")	L0 (11W)	blank (Non-Dimming)	blank (120V)	EM7 ⁴ (7W Emergency Backup IOTA Part #ILB-CP07-A)	
			L1 (16W)	DELV ¹ (Phase Dimming)			
		EC2 (1-1/4" to 2-1/2")	L2 (22W)	D101 (0-10V Dimming 1%)	27 (277V)		EM12 ^{4,5} (12W Emergency Backup IOTA Part #ILB-CP12-A)
			L3 (27W)	ED10V1 ² (eldoLED 0-10V 1%)			
				ED10V01 ² (eldoLED 0-10V 0.1%)			
	LUT ³ (Lutron® LDE1 EcoSystem 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 ⁶ (Black)		L1 (16W)	279 (2700K / 92 CRI)	24 (24° NFL)	
	SN ⁶ (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-July 19, 2025 3:10 PM P-1

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

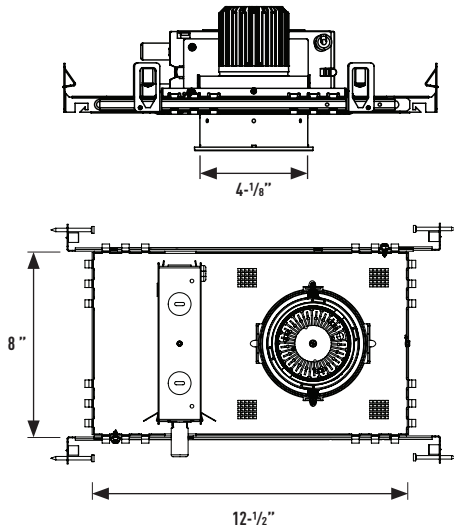
For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 800 961-5321.

© 2025 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

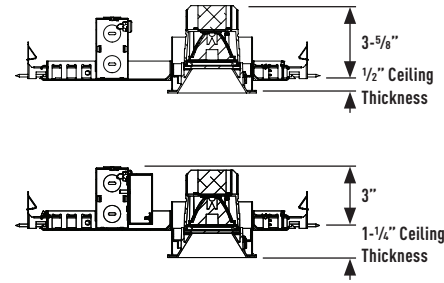


Adjustable Collar Height

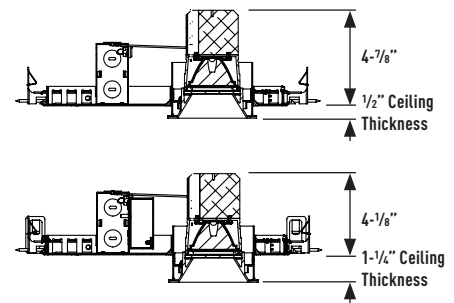
Collar Type	Standard	EC2
Max Ceiling Thickness	1/2" to 1-1/4"	1-1/4" to 2-1/2"

JOB NAME	CATALOG NUMBER
NOTES	TYPE

L0-L1 Lumen Package



L2-L3 Lumen Package



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTFG2-RTRD-302WLO-CR

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

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)

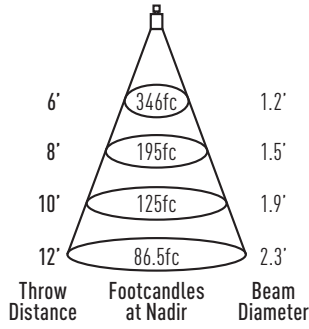
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

EMERGENCY MULTIPLIER:

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

12° Spot (12)

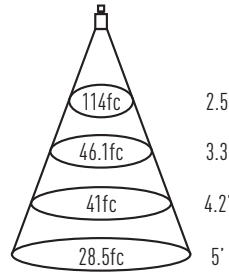


Watts: 11.3
 Lumens: 717
 LPW: 72
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

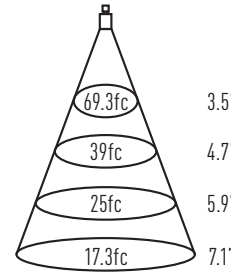


Watts: 11.3
 Lumens: 794
 LPW: 79
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

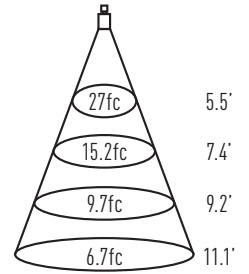


Watts: 11.3
 Lumens: 879
 LPW: 88
 CCT: 3000K

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:

	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)

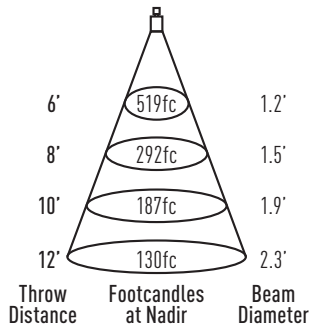
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

EMERGENCY MULTIPLIER:

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

12° Spot (12)

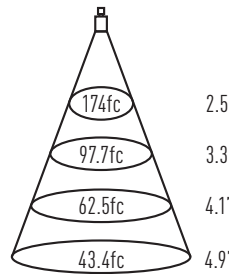


Watts: 16
 Lumens: 996
 LPW: 64
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

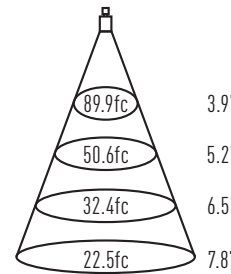


Watts: 16
 Lumens: 1103
 LPW: 71
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

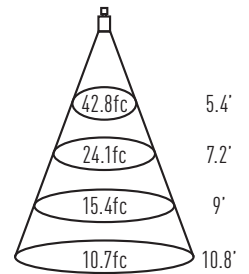


Watts: 16
 Lumens: 1221
 LPW: 78
 CCT: 3000K

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

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTFG2-RTRD-302WL2-CR

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

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)

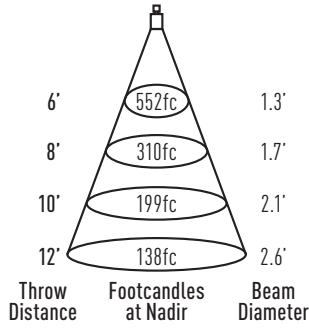
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

EMERGENCY MULTIPLIER:

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

12° Spot (12)

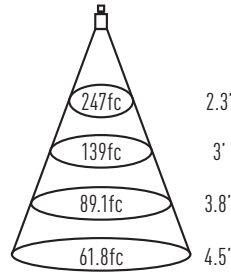


Watts: 21.5
 Lumens: 1246
 LPW: 66
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

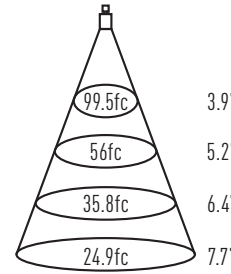


Watts: 21.5
 Lumens: 1411
 LPW: 75
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

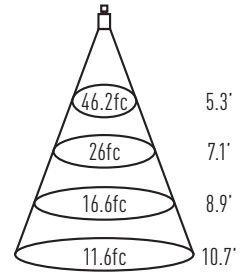


Watts: 21.5
 Lumens: 1433
 LPW: 76
 CCT: 3000K

Candelas at Nadir

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

50° Wide Flood (50)



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:

	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)

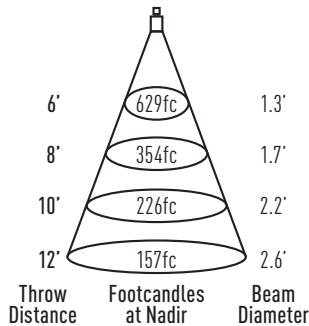
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)

EMERGENCY MULTIPLIER:

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

12° Spot (12)

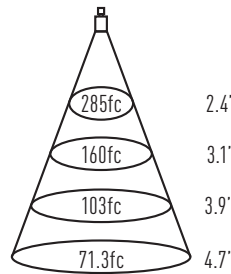


Watts: 27.2
 Lumens: 1446
 LPW: 55
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

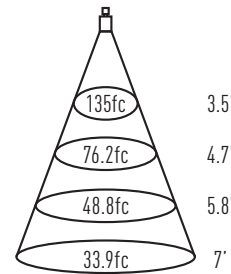


Watts: 27.2
 Lumens: 1726
 LPW: 66
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

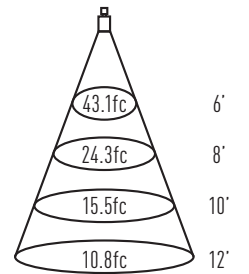


Watts: 27.2
 Lumens: 1664
 LPW: 63
 CCT: 3000K

Candelas at Nadir

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

50° Wide Flood (50)



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