

MXFG2DSTR

3.5" MX G2 Naked Warm Dim Square Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
WD1	13.5W	3000K-1800K / 92 CRI	900lm	66 lm/W
WD2	16.5W	3000K-1800K / 92 CRI	1150lm	70 lm/W

* System Wattage include driver and LED Module consumption.

** Delivered lumens will vary depending on trim, CCT, CRI, optic and ceiling thickness

FEATURES

- Halogen style profile that warms as it dims 3000K at full intensity to 1800K at lowest dim level

LED LIGHT ENGINE

- 3000K to 1800K programmable tuning at 92 CRI
- 50,000 hours L70 (rated life at 70% output)

ELECTRICAL SYSTEM

- Multiple dimming drivers available
- 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

- 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

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
- Discrete self flange painted

INSTALLATION

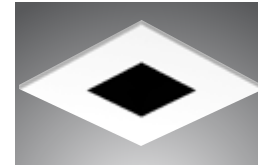
- Non-IC rated housings must be kept at a minimum of 3" away from insulation
- Fixture includes adjustable bar hangers (14"-24") for wood joist or t-bar ceiling installations
- Bar hangers can be installed in either direction
- Maximum ambient temperature: 95°F (35°C)

EMERGENCY BACKUP

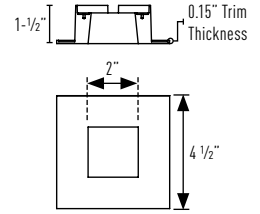
- Remote test switch included
- External battery operates LED load at a minimum of 500lm to 850lm for 90 minutes, depending on backup wattage selected
- Servicing requires above ceiling access

LISTING / WARRANTY

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



MXTFG2-STRD306
(1-1/2" Regress)



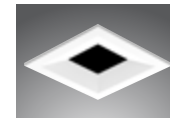
Available Trim Finishes



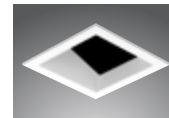
Housing dimensions are on Page 2

Related Products

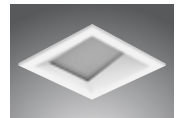
For adjustable, wall wash and other trim options see standard MX Downlight Products



Please see [MXG2DSTR](#)
For more downlight trim options



Please see [MXG2ASTR](#)
For adjustable alternative



Please see [MXG2WSTR](#)
For wall alternative

Housing Part Number (Example: MXFG2DSTR-NCWD1DELV)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming	Voltage	Options
MXFG2DSTR	-NC (Non-IC)	blank (1/2" to 1-1/4")	WD1 (13.5W)	DELV ¹ (Phase Dimming)	blank (120V)	EM7 ³ (7W Emergency Backup IOTA Part #ILB-CP07-A)
		EC2 (1-1/4" to 2-1/2")	WD2 (16.5W)	D101 (0-10V Dimming 1%) LUT ² (Lutron® LDE1 EcoSyst ^m 1%)	27 (277V)	EM12 ³ (12W Emergency Backup IOTA Part #ILB-CP12-A)

Trim Part Number (Example: MXTFG2-STRD306WWD1NF)

Trim	Finish	Wattage	Optic
MXTFG2-STRD306 (1-1/2" Regress)	B (Black)	WD1 (13.5W)	NF (24° NFL)
	W (White)	WD2 (16.5W)	FL (30° FL) WF (45° WFL)

Notes:

- Available in 120V only
- Not available with WD1
- Access above ceiling required

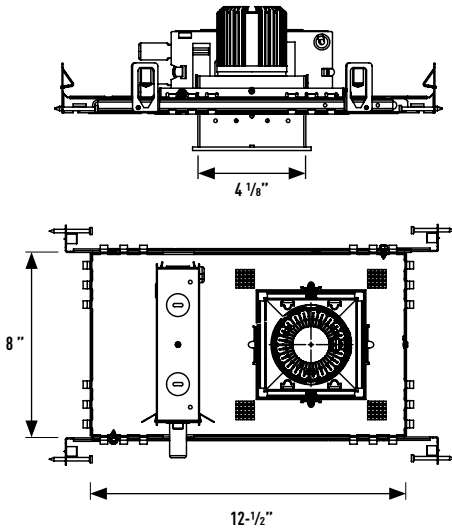
Accessories

- LH47 (Accessory Holder, Black)
- LH47W (Accessory Holder, White)
- PFLMB-47 (Hex Louver, Black)
- PFL1-47 (Prismatic Spread Lens)
- PFL2-47 (Linear Spread Lens)
- PFL4-47 (Soft Focus Lens)

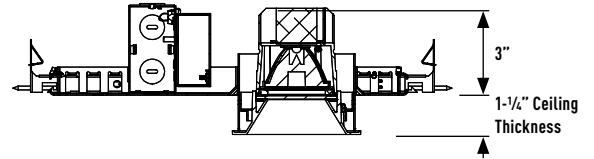
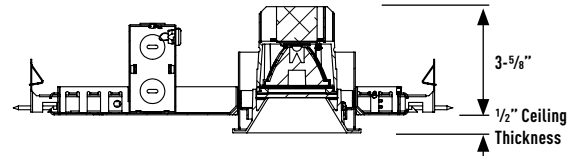
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HOUSING DIMENSIONS



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Adjustable Collar Height

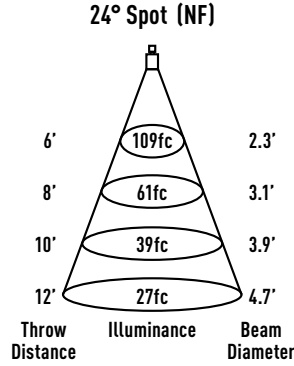
Collar Type	Standard	EC2
Max Ceiling Thickness	1/2" - 1 1/4"	1 1/4" - 2 1/2"

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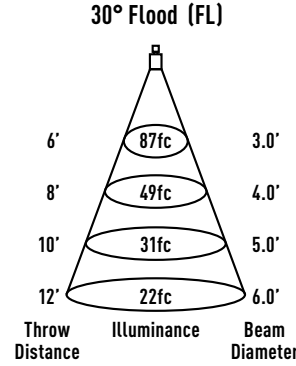
MXTG2-STLD306WWD1

REPORT #:
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 ILL20180917-19.001 (30)
 ILL20180919-27.001 (45)

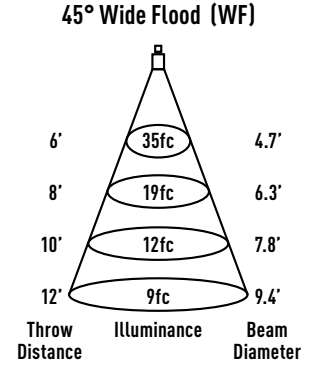
TRIM MULTIPLIERS:
 MXTG2-STRD306 (x 1.00)
 MXTG2-STRR306 (x 1.00)



Watts: 13.5
Lumens: 614
LPW: 45
CCT: 3000K



Watts: 13.5
Lumens: 835
LPW: 62
CCT: 3000K



Watts: 13.5
Lumens: 683
LPW: 51
CCT: 3000K

Intensity	
Degree	Candela
0°	3905
5°	3395
15°	833
25°	43
35°	6
45°	3

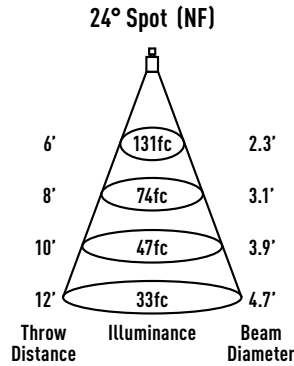
Intensity	
Degree	Candela
0°	3130
5°	2924
15°	1402
25°	282
35°	36
45°	3

Intensity	
Degree	Candela
0°	1245
5°	1218
15°	967
25°	441
35°	107
45°	4

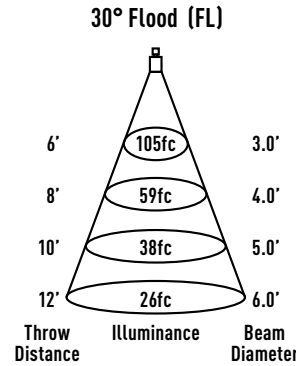
MXTG2-STLD306WWD2

REPORT #:
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 ILL20180917-19.002 (30)
 ILL20180919-27.002 (45)

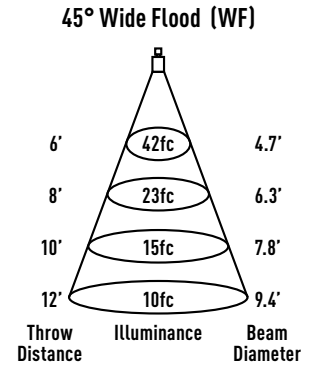
TRIM MULTIPLIERS:
 MXTG2-STRD306 (x 1.00)
 MXTG2-STRR306 (x 1.00)



Watts: 16.4
Lumens: 739
LPW: 45
CCT: 3000K



Watts: 16.4
Lumens: 1006
LPW: 61
CCT: 3000K



Watts: 16.4
Lumens: 823
LPW: 50
CCT: 3000K

Intensity	
Degree	Candela
0°	4705
5°	4091
15°	1004
25°	52
35°	7
45°	4

Intensity	
Degree	Candela
0°	3771
5°	3523
15°	1689
25°	340
35°	43
45°	3

Intensity	
Degree	Candela
0°	1500
5°	1468
15°	1165
25°	531
35°	129
45°	5