

MXG2ASTR

3.5" MX G2 LED Warm Dim Square Pinhole

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **
WD1	13.5W	3000K-1800K / 92 CRI	800lm
WD2	16.5W	3000K-1800K / 92 CRI	1000lm

* System wattage includes 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
- Multiple architectural trim options available
- Field changeable optics: 24°, 30°, 45°

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

- Forward/reverse phase dimming 1% (120V only)
- 0-10V Dimming 1%
- 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 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

TRIM SPECIFICATION

- High quality A380 aluminum die-cast trims
- Locking 35° vertical and 360° horizontal adjustment (1/2" regress trims only). 90° turns with 1" regressed trims

INSTALLATION

- Housing types include Non-IC and IC Air-Tight 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
- Max. ambient temperature: 131°F (55°C)

EMERGENCY BACKUP

- Remote test switch included
- External battery operates LED load at a minimum of 300lm to 525lm for 90 minutes, depending on backup wattage selected
- Servicing requires above ceiling access

ACCESSORIES

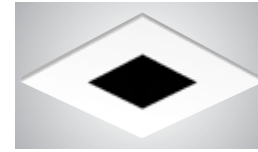
Luminaire will accommodate (2) accessories (Accessory is holder required)

LISTING / WARRANTY

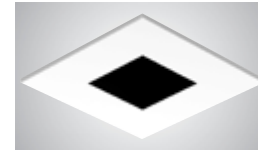
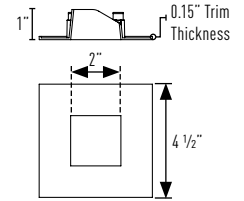
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC Only) Air-Tight Certified ASTM E283
- (-IC Only) ETL listed for direct contact w/insulation
- Can be used to comply with Title 24, Part 6, JA8 high efficacy LED light source requirements



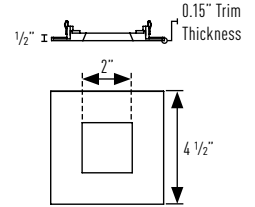
JOB NAME	CATALOG NUMBER
NOTES	TYPE



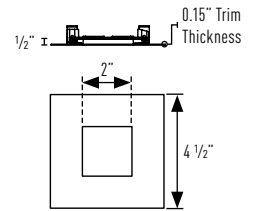
MXTG2-STRA306
(1" Regress)



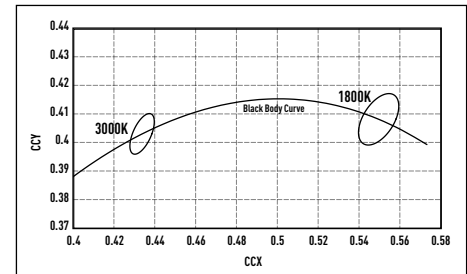
MXTG2-STRR306
(1/2" Regress)



MXTG2-SFRR306
(1/2" Flat Mount)



Available Trim Finishes



Housing Part Number (Example: MXG2ASTR-NCWD1DIM)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming	Voltage	Options
MXG2ASTR	-NC (Non-IC)	blank (5/8")	WD1 (13.5W)	DIM ¹ (Phase Dimming)	blank (-NC: 120V Only	I100 (C-Channel Bar Hangers)
	-IC (Air-Tight IC)	EC1 (1")	WD2 (16.5W)	D101 (0-10V Dimming 1%)	-IC: UNV 120V-277V)	I200 (Flat Bar Hangers)
		EC2 (2")		ED10V1 (eldoLED 0-10V 1%)	27 (277V For -NC Only)	I400 (Wood Joist Bar Hangers)
			ED10V01 (eldoLED 0-10V 0.1%)		EM7 ³ (7W Emergency Backup	
			LUT (Lutron® LDE1 EcoSystem 1%)			IOTA Part #ILB-CP07-A)
			LUT2 ¹ (Lutron® LTEA2W 2-Wire 1%)			EM12 ³ (12W Emergency Backup
			DMXR ² (DMX512 RDM 0.1%)			IOTA Part #ILB-CP12-A)

Trim Part Number (Example: MXTG2-STRA306WWD1NF)

Trim	Finish	Wattage	Optic
MXTG2-STRA306 (1" Regress)	B (Black)	WD1 (13.5W)	NF (24° Narrow Flood)
	W (White)	WD2 (16.5W)	FL (30° Flood)
MXTG2-STRR306 (1/2" Regress)	SN (Satin Nickel)		WF (45° Wide Flood)
	AB (Antique Bronze)		
MXTG2-SFRR306 (1/2" Flat Mount)	WH (Wheat)		

Accessories: (2) accessories max, accessory holder required.

- 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)

Notes:

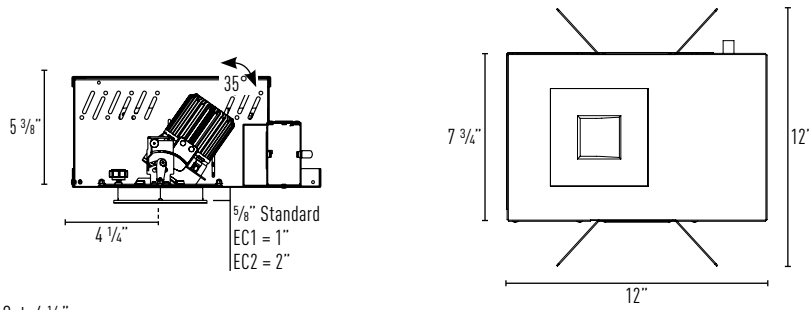
- Available in 120V only
- Not available with WD1
- Access above ceiling required

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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"

Fixture Aiming - Horizontal Adjustment

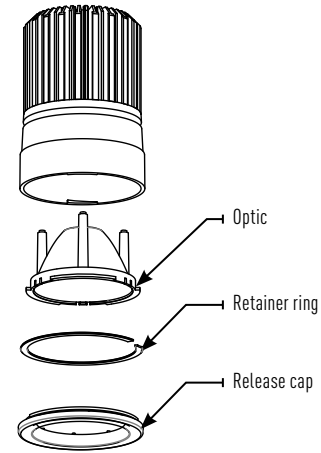
1" Regress Trims	90° turns	90° turns	Full 360°
1/2" Regress Trims	Full 360°	Full 360°	Full 360°

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-OP4724 (24° Narrow Flood)
- IP-OP4736 (30° Flood)
- IP-OP4750 (45° Wide Flood)

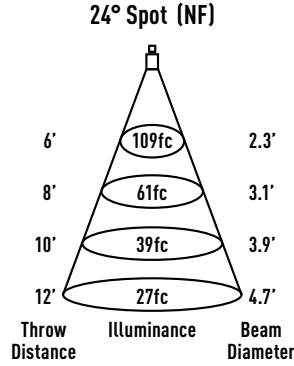


JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

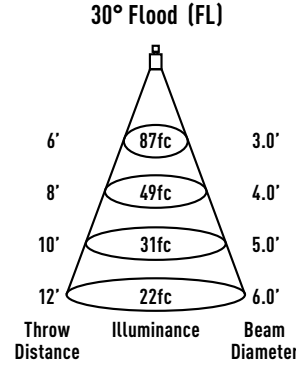
MXTG2-STRA306WWD1

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

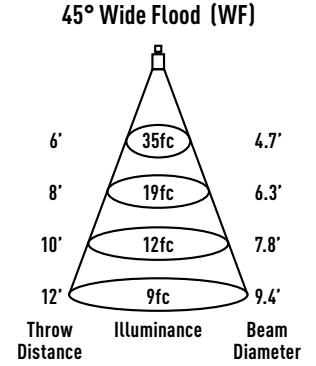
TRIM MULTIPLIERS:
 MXTG2-STRD306 (x 1.00)
 MXTG2-STRR306 (x 1.00)



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

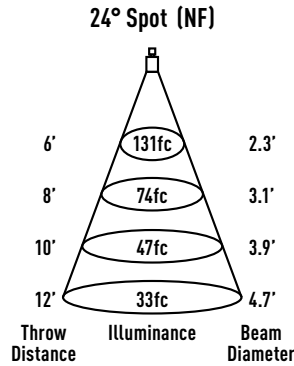
Intensity	
Degree	Candela
0°	3130
5°	2924
15°	1402
25°	282
35°	36
45°	3

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

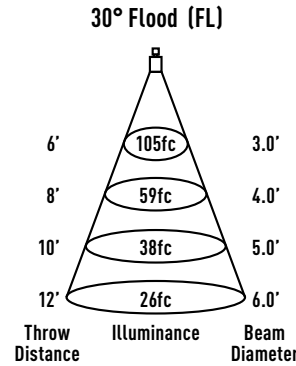
MXTG2-STRA306WWD2

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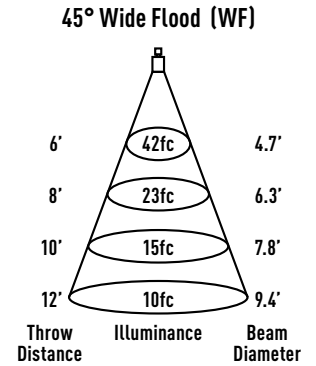
TRIM MULTIPLIERS:
 MXTG2-STRD306 (x 1.00)
 MXTG2-STRR306 (x 1.00)



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