MXG2ASTR
3.5" MX G2 LED Warm Dim Square Pinhole Wood Ceiling

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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	950lm

* 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
- 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
- Locking 35° vertical and 360° horizontal adjustment
- High quality A380 aluminum die-cast 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)
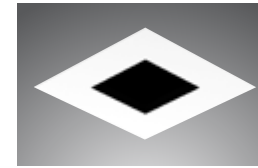
EMERGENCY BACKUP
- Remote test switch included
- External battery operates LED load at a minimum of 400lm to 650lm for 90 minutes, depending on backup wattage selected
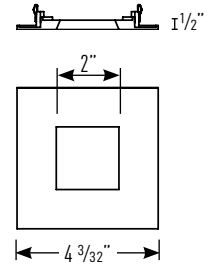- Servicing requires above ceiling access

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
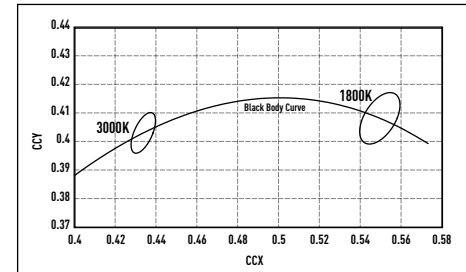
MXTG2-SWLR306
(½" Regress)

Recommended 4 1/8" precision routing fitment of wood trim; using a hole saw may result in improper fitment, uneven gaps and/or light leak

Available Trim Finishes

Black | White | Satin Nickel | Antique Bronze | Wheat

Housing Part Number (Example: MXG2ASTR-NCWD1)

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

Trim Part Number (Example: MXTG2-SWLR306WWD1NF)

Trim	Finish	Wattage	Optic
MXTG2-SWLR306 (1/2" Regress)	B (Black) W (White) SN (Satin Nickel) AB (Antique Bronze) WH (Wheat)	WD1 (13.5W) WD2 (16.5W)	NF (24° Narrow Flood) FL (30° Flood) WF (45° Wide Flood)

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:
1. Available in 120V only
2. Not available with WD1
3. Access above ceiling required

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NON-IC & AIR TIGHT IC DIMENSIONS

5 ³/₈"

35°

4 ¼"

⁵/₈" Standard
EC1 = 1"
EC2 = 2"

7 ³/₄"

12"

12"
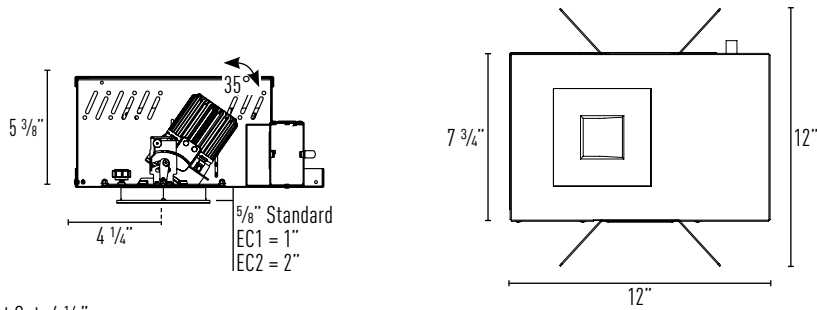
Ceiling Cut Out: 4 ⅛"

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

	Standard	EC1	EC2
½" 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.
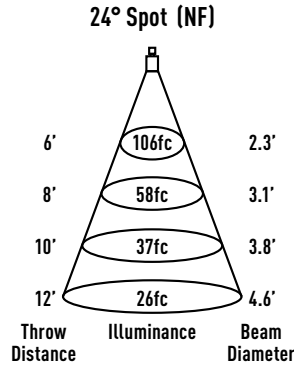3. Place accessory holder and accessory flush against optic and replace release cap.

Optics

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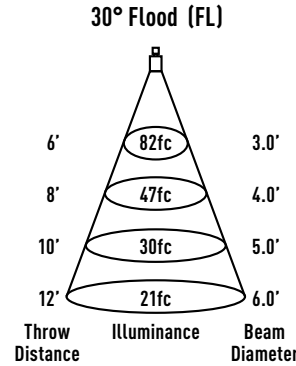**IP-OP4736** (30° Flood)
IP-OP4750 (45° Wide Flood)

Optic

Retainer ring

Release cap

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MX
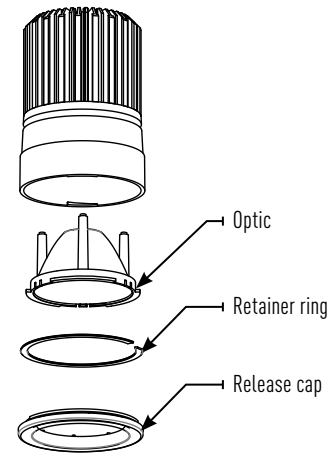
MXTG2-SWLR306WWD1

REPORT #:
ILL20181001-15.001 (24)
ILL20181001-23.001 (30)
ILL20181001-31.001 (45)

24° Spot (NF)

Throw Distance	Illuminance	Beam Diameter
6'	106fc	2.3'
8'	58fc	3.1'
10'	37fc	3.8'
12'	26fc	4.6'

Watts: 13.5
Lumens: 567
LPW: 42
CCT: 3000K

Intensity

Degree	Candela
0°	3691
5°	3203
15°	733
25°	35
35°	5
45°	3

30° Flood (FL)

Throw Distance	Illuminance	Beam Diameter
6'	82fc	3.0'
8'	47fc	4.0'
10'	30fc	5.0'
12'	21fc	6.0'

Watts: 13.5
Lumens: 799
LPW: 59
CCT: 3000K

Intensity

Degree	Candela
0°	2974
5°	2795
15°	1333
25°	271
35°	33
45°	2

45° Wide Flood (WF)

Throw Distance	Illuminance	Beam Diameter
6'	34fc	4.6'
8'	19fc	6.2'
10'	12fc	7.7'
12'	9fc	9.3'
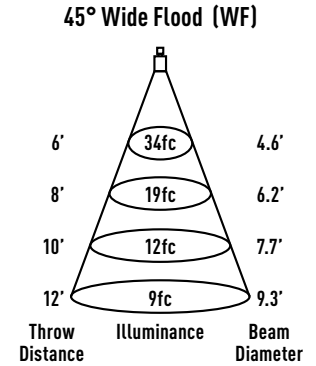
Watts: 13.5
Lumens: 661
LPW: 49
CCT: 3000K

Intensity

Degree	Candela
0°	1230
5°	1203
15°	947
25°	426
35°	97
45°	3

MXTG2-SWLR306WWD2

REPORT #:
ILL20181001-15.002 (24)
ILL20181001-23.002 (30)
ILL20181001-31.002 (45)

24° Spot (NF)

Throw Distance	Illuminance	Beam Diameter
6'	124fc	2.3'
8'	70fc	3.1'
10'	45fc	3.8'
12'	31fc	4.6'
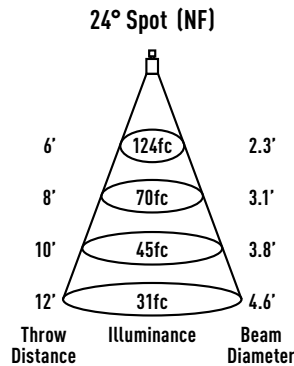
Watts: 16.4
Lumens: 683
LPW: 42
CCT: 3000K

Intensity

Degree	Candela
0°	4447
5°	3859
15°	883
25°	42
35°	6
45°	4

30° Flood (FL)

Throw Distance	Illuminance	Beam Diameter
6'	100fc	3.0'
8'	56fc	4.0'
10'	36fc	5.0'
12'	25fc	6.0'
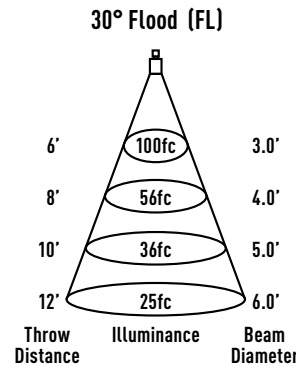
Watts: 16.4
Lumens: 962
LPW: 59
CCT: 3000K

Intensity

Degree	Candela
0°	3583
5°	3368
15°	1606
25°	327
35°	40
45°	3

45° Wide Flood (WF)

Throw Distance	Illuminance	Beam Diameter
6'	41fc	4.6'
8'	23fc	6.2'
10'	15fc	7.7'
12'	10fc	9.3'
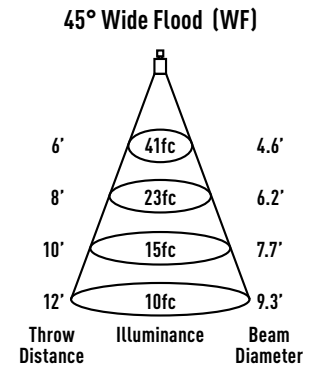
Watts: 16.4
Lumens: 796
LPW: 49
CCT: 3000K

Intensity

Degree	Candela
0°	1482
5°	1449
15°	1141
25°	514
35°	117
45°	3

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