

MXG2RTLSQ4

MX G2 Warm Dim Recessed Multiple Trimless (4) Head 10" x 10" with New Construction Frame-In

Job Name		Catalog Number	
Notes		Type	

ELECTRICAL DATA (PER HEAD)

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **
WD1	13.5W	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.

LED LIGHT ENGINE

- Halogen style profile that warms as it dims
- 3000K at full intensity to 1800K at lowest dim level
- 50,000 hours L70 (rated life at 70% output)

OPTICS

Field changeable optics: 24°, 30°, 45°

ELECTRICAL

- (Non-IC) 120V or 277V input; Power factor >.9 50/60Hz
- (-IC) Universal 120V/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

- Phase dimming, forward 1% & reversed 5% (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%

FRAME-IN (MUST ORDER SEPARATELY)

Frame-in types include IC Air-Tight or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Frame-in is equipped with quick connect to trim assembly for easy installation. Junction box is accessible from below the ceiling. Perforated mesh frame provided with frame-in kit, adheres to joint compound for seamless and trimless mounting.

INSTALLATION

Luminaire can accommodate up to 1" ceiling thickness. Luminaire is supplied with butterfly brackets to allow up-to 3" vertical adjustment. Compatible with flat bar, wood joist bar and EMT. Bar hangers must be ordered separately. Max. ambient temperature: 122°F (50°C).

TRIM ASSEMBLY

Trim assembly includes integral power supply for each individual head. Quick connection supplied for easy installation and wiring to frame-in. Ease of installation and maintenance with access to power supply. Mounts to frame-in via heavy duty torsion springs.

ACCESSORIES

Luminaire will accommodate (2) accessories per head, accessory holder required. Must order one accessory holder and accessory per head, see page 2.

EMERGENCY

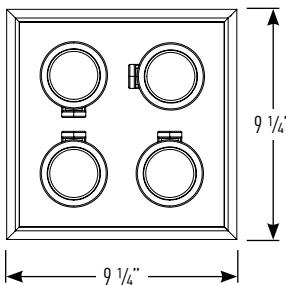
Remote test switch included. External battery operates one LED load of up to 7W at a minimum of 500 lumens for 90 minutes. (Note: EM not available with Chicago Plenum.)

LISTING/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 with insulation
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified 1



MX



Frame-in dimensions are on Page 2

Ceiling Cut Out: 10 1/4" x 10 1/4"

Horizontal Adjustability: 360°

Vertical Adjustability: 30°

Trim Part Number (Example: MXG2RTL4WD1-NFWDIM-S)

Trim	System Wattage	Optic	Head Finish	Driver	Option
MXG2RTLSQ4	WD1 (13.5W Per Head)	-NF (24° Narrow Flood) -FL (30° Flood) -WF (45° Wide Flood)	B (Black) W (White)	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 (DMX512 RDM 0.1%)	-EM7 (7W Emergency Backup IOTA part #ILB-CP07-A) -S ² (Integral 1" Snoot)

Frame-In Part Number (Example: IP2-10FK-TLD101)

Frame-In Type	Dimming Type (IC/CP only)	Voltage	Options
IP2-10FK-TL (Non-IC)	D101 (0-10V Dimming)	blank (120V)	I200 (Flat Bar Hangers)
IP2-10FKIC-TL (Air-Tight IC)	LUT (Lutron® LDE1 EcoSystem 1%)	27 (277V)	I400 (Wood Joist Bar Hangers)
	LUT2 ¹ (Lutron® LTEA2W 2-Wire 1%)		EM7 (Remote Emergency Unit)
	DMXR (DMX512 RDM 0.1%)		

Notes:

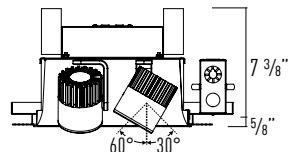
1. Dimming available in 120V only
2. Snoot is integral to fixture and factory installed. Snoot's interior is black and compatible with accessory holder, black accessory holder recommended

MXG2RTLSQ4WD

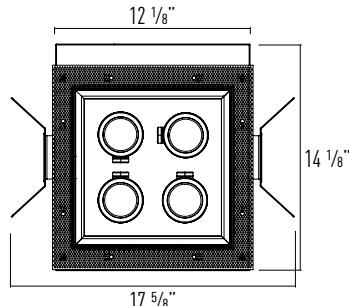
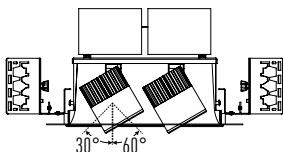
MX G2 Warm Dim Recessed Multiple Trimless (4) Head 10" x 10" with New Construction Frame-In

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

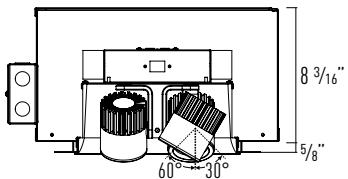
NON-IC DIMENSIONS



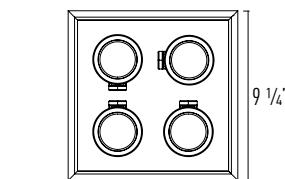
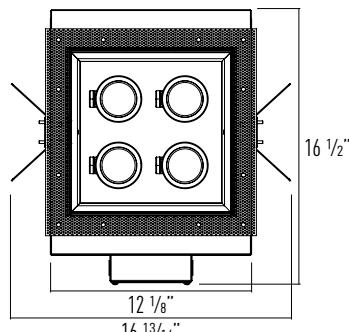
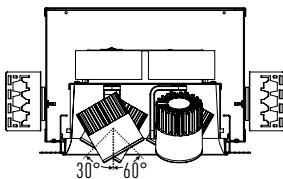
Ceiling Cut Out: 10 1/4" x 10 1/4"



AIR TIGHT IC DIMENSIONS



Ceiling Cut Out: 10 1/4" x 10 1/4"



ACCESSORIES

Luminaire will accommodate (2) accessories per head, accessory holder required.

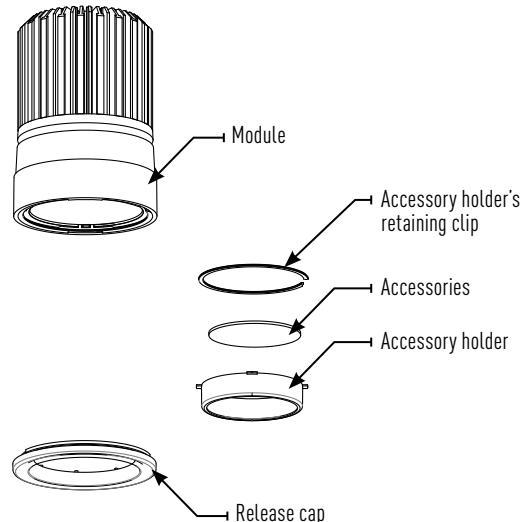
Must order one accessory holder and accessory per head.

INSTALLATION

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.

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)

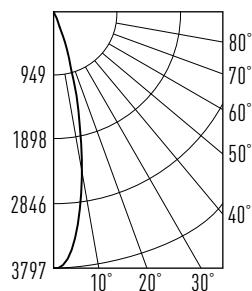


JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXG2RTL1WD1

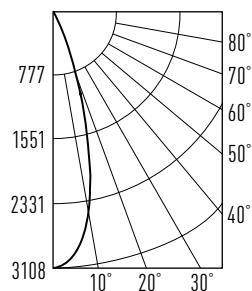
Report #: ILL20181108-4.002 (-24)
ILL20181108-3.002 (-30)
ILL20181108-5.002 (-45)

24° Narrow Flood (-24)



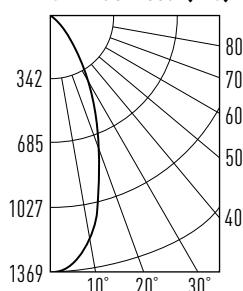
Watts: 13.5
Lumens: 990
LPW: 73
CCT: 3000K

30° Flood (-30)



Watts: 13.5
Lumens: 1038
LPW: 77
CCT: 3000K

45° Wide Flood (-45)



Watts: 13.4
Lumens: 896
LPW: 66
CCT: 3000K

Intensity

Degree	Candela
0°	3797
5°	3431
15°	1495
25°	413
35°	84
45°	12

Intensity

Degree	Candela
0°	3108
5°	2944
15°	1646
25°	481
35°	92
45°	22

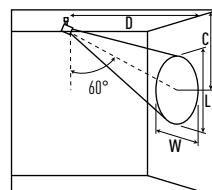
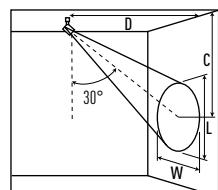
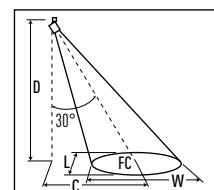
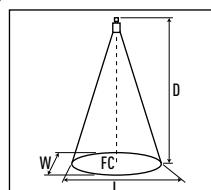
Intensity

Degree	Candela
0°	1369
5°	1325
15°	1001
25°	534
35°	219
45°	84

APPLICATION DATA:

W and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



W Beam width
L Beam length
C Distance to center of beam
D Distance
FC Foot candles

	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2WD1-24	6'	105	2.8'	2.8'	6'	3.5'	68.5	3.7'	3.2'	3.0'	5.2'	52.7	2.8'	6.6'
3000K	8'	59	3.7'	3.7'	8'	4.6'	38.5	5.0'	4.3'	4.0'	6.9'	29.7	3.7'	8.8'
24° Spot	10'	38	4.6'	4.6'	10'	5.8'	24.7	6.2'	5.3'	5.0'	8.7'	19.0	4.6'	10.9'
	12'	26	5.5'	5.5'	12'	6.9'	17.1	7.5'	6.4'	6.0'	10.4'	13.2	5.5'	13.1'
MXG2WD1-30	6'	86	3.4'	3.4'	6'	3.5'	56	4.6'	3.9'	3.0'	5.2	43	3.4	8.8
3000K	8'	49	4.5'	4.5'	8'	4.6'	32	6.1'	5.2'	4.0'	6.9	24	4.5	11.7
30° Narrow Flood	10'	31	5.6'	5.6'	10'	5.8'	20	7.6'	6.5'	5.0'	8.7	16	5.6	14.6
	12'	22	6.7'	6.7'	12'	6.9'	14	9.2'	7.7'	6.0'	10.4	11	6.7	17.5
MXG2WD1-45	6'	38	4.8'	4.8'	6'	3.5'	25	6.7'	5.5'	3.0'	5.2'	19	4.8'	18.1'
3000K	8'	21	6.4'	6.4'	8'	4.6'	14	8.9'	7.3'	4.0'	6.9'	11	6.4'	24.1'
45° Flood	10'	14	7.9'	7.9'	10'	5.8'	9	11.2'	9.2'	5.0'	8.7'	7	7.9'	30.2'
	12'	10	9.5'	9.5'	12'	6.9'	6	13.4'	11.0'	6.0'	10.4'	5	9.5'	36.2'