

# MXRG2DRTR

3.5" MX G2 LED Pinhole with Remodel Housing

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
L0	10W	3000K / 82 CRI	850lm	85
L1	16W	3000K / 82 CRI	1200lm	75
L2	20W	3000K / 82 CRI	1450lm	73
L3	26W	3000K / 82 CRI	1600lm	62

\*System Wattage include driver and LED Module consumption. \*\*Delivered lumens will vary depending on trim, CCT, CRI, optic and ceiling thickness

## FEATURES

- Multiple architectural trim options
- High center beam spot up to 22,700 CBCP
- Dedicated 9° with field changeable 12°, 24°, 36° & 50° optics

## LED LIGHT ENGINE

- 92 CRI & 82 CRI in 2700K, 3000K, 3500K or 4100K with ZSDCM 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
- Power factor >.95/60Hz 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
- DMX512 RDM 0.1%

## HOUSING

High quality die-casted collar with high strength stainless steel swing out lugs. Driver swivels 90° to accommodate tight spaces.

## TRIM SPECIFICATION

High quality trims are die-cast using A380 aluminum and finished with durable powder coat available in multiple finishes, black interior standard. Trims available in 1-1/2" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

## INSTALLATION

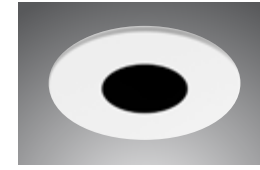
Frame-in installs from below the ceiling. Swing out lugs allow for installation in ceilings between 5/16" and 3/4". Max. ambient temperature: 95°F (35°C). Housing is Non-IC rated, must be kept at a minimum of 3" away from insulation.

## ACCESSORIES

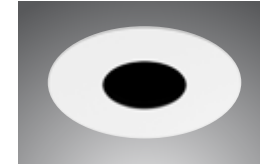
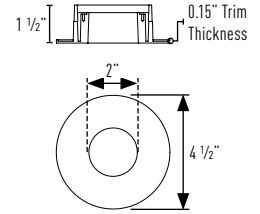
Luminaire will accommodate (2) accessories, accessory holder required, see page 2.

## LISTING / WARRANTY

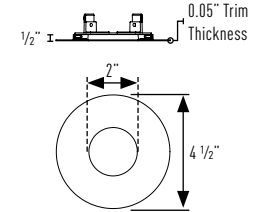
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- ENERGY STAR® Qualified <sup>1</sup>
- Can be used to comply with 2016 Title 24, Part 6, JA8 high efficacy LED light source requirements <sup>2</sup>



**MXTG2-RTRD306**  
(1-1/2" regress)



**MXTG2-RFRR306**  
(1/2" Flat Mount)



Housing Dimensions Are On Page 2

## Available Trim Finishes



## Housing Part Number (Example: MXRG2DRTR-NCL1)

Housing	Installation Type	Wattage	Dimming	Voltage
MXRG2DRTR	-NC (Non-IC)	L0 (10W)	blank (Non-Dimming)	blank (120V)
		L1 (16W)	DELV <sup>3</sup> (Phase Dimming)	27 (277V)
		L2 (20W)	D101 (0-10V Dimming 1%)	
		L3 (26W)	ED10V1 <sup>4</sup> (eldoLED 0-10V 1%)	
			ED10V01 <sup>4</sup> (eldoLED 0-10V 0.1%)	
			LUT <sup>5</sup> (Lutron® LDE1 EcoSystem 1%)	
		DMXR <sup>6</sup> (DMX512 RDM 0.1%)		

## Trim Part Number (Example: MXTG2-RTRD306WL13024)

Trim	Finish	Wattage	CCT / CRI	Optic
MXTG2-RTRD306 (1-1/2" regress)	W (White)	L0 (10W)	27 (2700K / 82 CRI)	09° (9° Narrow Spot)
	B (Black)	L1 (16W)	279 (2700K / 92 CRI)	12 (12° Spot)
MXTG2-RFRR306 (1/2" Flat Mount)	AB (Antique Bronze)	L2 (20W)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)
		L3 (26W)	309 (3000K / 92 CRI)	36 (36° Flood)
		35 (3500K / 82 CRI)	50 (50° Wide Flood)	
		359 (3500K / 92 CRI)		
		41 (4100K / 82 CRI)		
		419 (4100K / 92 CRI)		

## Notes:

- ENERGY STAR® Qualified (White reflectors only; Excludes: L2, L3, 92 CRI & 9° options)
- L0 only; Excludes: 82 CRI & 9° options
- Available in 120V only
- Not Available in L2 & L3
- Not Available in L2 & L3
- DMX512 RDM not available in L0 & L1
- 9° NS available in 279 with L0 or L1 Only

MX DOWNLIGHTING REMODEL L/M-1005:23 P-9

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](http://www.intenselighting.com). For a printed copy of the warranty, you may call 800 961-5321.

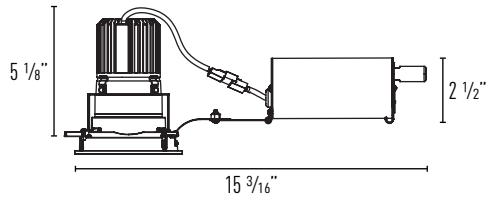
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# MXRG2DRTR

3.5" MX G2 LED Pinhole with Remodel Housing

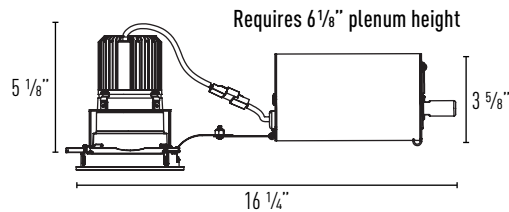
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

DRIVER: Non-Dimming / DELV / D10



Ceiling Cut Out: 4 1/8"  
 Minimum Ceiling Thickness: 5/16"  
 Maximum Ceiling Thickness: 3/4"

DRIVER: eldoLED / Lutron / DMX



Ceiling Cut Out: 4 1/8"  
 Minimum Ceiling Thickness: 5/16"  
 Maximum Ceiling Thickness: 3/4"

## ACCESSORIES

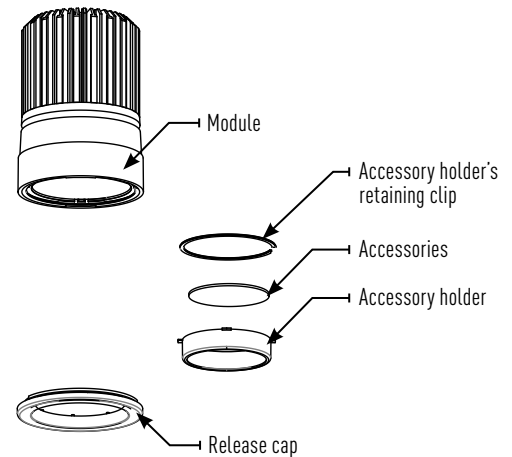
Luminaire will accommodate (2) accessories, accessory holder required.

## 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

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

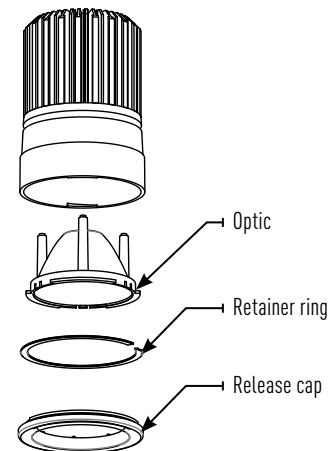


## OPTICS REPLACEMENT

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

<b>IP-OP4712</b>	(12° Spot)
<b>IP-OP4724</b>	(24° Narrow Flood)
<b>IP-OP4736</b>	(36° Flood)
<b>IP-OP4750</b>	(50° Wide Flood)



MX DOWNLIGHTING REMODEL L/M-1005:23 P-10

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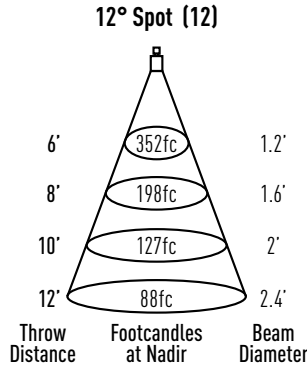
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## MXTG2-RTRD306L0

Report #: ILL-01262016-38 (12)  
 ILL-02082016-11 (24)  
 ILL-01262016-44 (36)  
 ILL-01262016-47 (50)

**TRIM MULTIPLIER:**  
 MXTG2-RFRR306 (x 0.98)

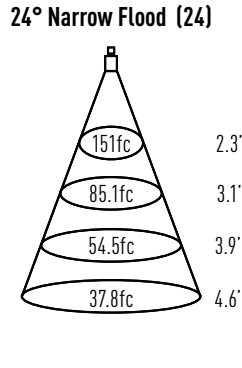
**CCT MULTIPLIERS:**  
**82 CRI** **92 CRI**  
 2700K (x 0.93) (x 0.76)  
 3000K (x 1.00) (x 0.87)  
 3500K (x 1.00) (x 0.87)  
 4100K (x 1.00) (x 0.87)



Watts: 10  
 Lumens: 725  
 LPW: 73  
 CCT: 3000K

**Candelas at Nadir**

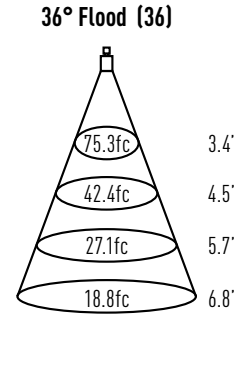
Degree	CBCP
0°	12674
5°	7407
15°	524
25°	50
35°	9
45°	3



Watts: 10  
 Lumens: 835  
 LPW: 83  
 CCT: 3000K

**Candelas at Nadir**

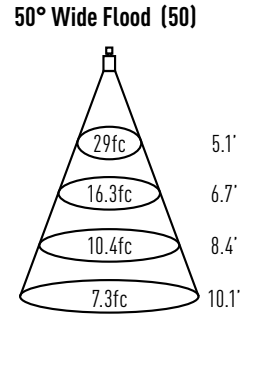
Degree	CBCP
0°	5449
5°	4890
15°	1255
25°	93
35°	8
45°	3



Watts: 10  
 Lumens: 848  
 LPW: 85  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	2712
5°	2745
15°	1555
25°	314
35°	31
45°	3



Watts: 10  
 Lumens: 676  
 LPW: 68  
 CCT: 3000K

**Candelas at Nadir**

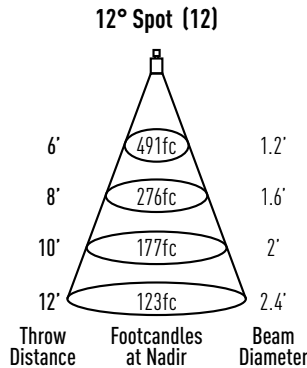
Degree	CBCP
0°	1043
5°	1102
15°	969
25°	469
35°	124
45°	7

## MXTG2-RTRD306L1

Report #: ILL-01262016-14 (12)  
 ILL-02082016-09 (24)  
 ILL-01262016-20 (36)  
 ILL-01262016-23 (50)

**TRIM MULTIPLIER:**  
 MXTG2-RFRR306 (x 0.98)

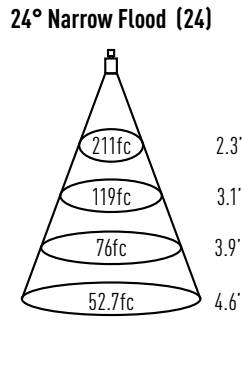
**CCT MULTIPLIERS:**  
**82 CRI** **92 CRI**  
 2700K (x 0.93) (x 0.76)  
 3000K (x 1.00) (x 0.87)  
 3500K (x 1.00) (x 0.87)  
 4100K (x 1.00) (x 0.87)



Watts: 15.6  
 Lumens: 996  
 LPW: 64  
 CCT: 3000K

**Candelas at Nadir**

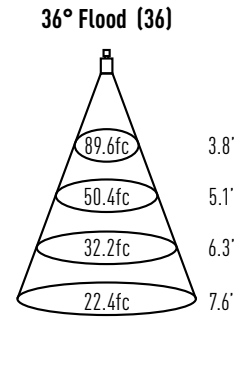
Degree	CBCP
0°	17685
5°	10155
15°	718
25°	69
35°	13
45°	4



Watts: 15.6  
 Lumens: 1165  
 LPW: 75  
 CCT: 3000K

**Candelas at Nadir**

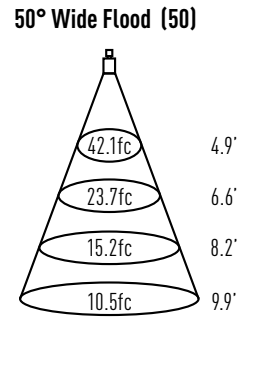
Degree	CBCP
0°	7595
5°	6824
15°	1751
25°	129
35°	11
45°	4



Watts: 15.6  
 Lumens: 1204  
 LPW: 77  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	3225
5°	3213
15°	2123
25°	569
35°	80
45°	3



Watts: 15.6  
 Lumens: 945  
 LPW: 61  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	1517
5°	1599
15°	1376
25°	645
35°	166
45°	10

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

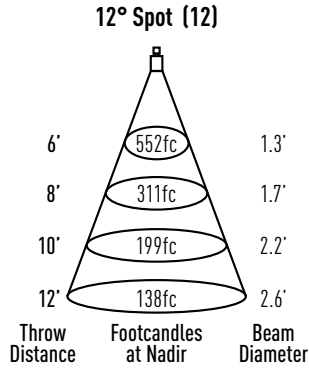
## MXTG2-RTRD306L2

Report #: ILL-01262016-26 (12)  
 ILL-02082016-06 (24)  
 ILL-01262016-32 (36)  
 ILL-02082016-05 (50)

**TRIM MULTIPLIER:**  
 MXTG2-RFRR306 (x 0.98)

**CCT MULTIPLIERS:**

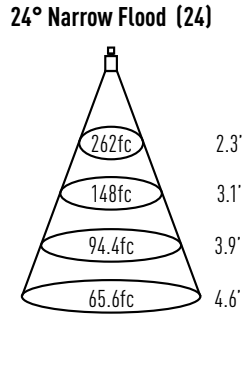
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



Watts: 20.4  
 Lumens: 1225  
 LPW: 60  
 CCT: 3000K

**Candelas at Nadir**

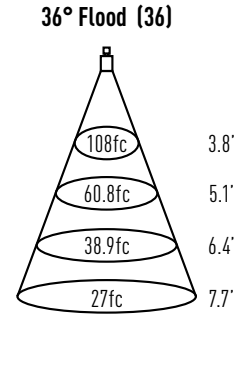
Degree	CBCP
0°	19887
5°	12965
15°	776
25°	98
35°	17
45°	4



Watts: 20.8  
 Lumens: 1425  
 LPW: 69  
 CCT: 3000K

**Candelas at Nadir**

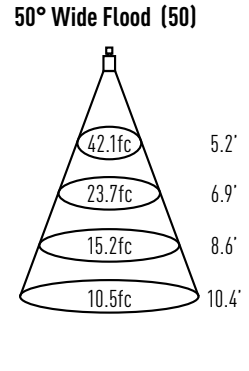
Degree	CBCP
0°	9443
5°	8622
15°	2133
25°	133
35°	14
45°	5



Watts: 20.4  
 Lumens: 1450  
 LPW: 71  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	3888
5°	3833
15°	2558
25°	680
35°	100
45°	4



Watts: 20.8  
 Lumens: 1153  
 LPW: 55  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	1516
5°	1602
15°	1553
25°	844
35°	257
45°	17

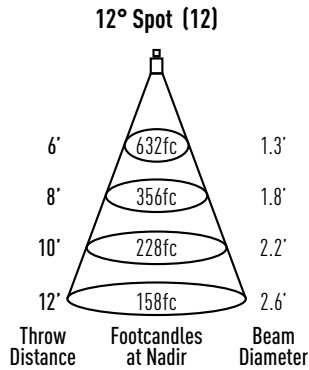
## MXTG2-RTRD306L3

Report #: ILL-01262016-11 (12)  
 ILL-02082016-02 (24)  
 ILL-01262016-02 (36)  
 ILL-02082016-01 (50)

**TRIM MULTIPLIER:**  
 MXTG2-RFRR306 (x 0.98)

**CCT MULTIPLIERS:**

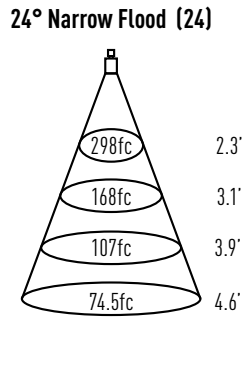
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



Watts: 26.3  
 Lumens: 1413  
 LPW: 54  
 CCT: 3000K

**Candelas at Nadir**

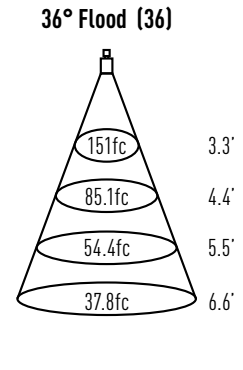
Degree	CBCP
0°	22755
5°	14920
15°	840
25°	103
35°	21
45°	5



Watts: 26.3  
 Lumens: 1621  
 LPW: 62  
 CCT: 3000K

**Candelas at Nadir**

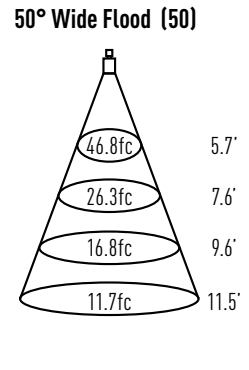
Degree	CBCP
0°	10730
5°	9793
15°	2426
25°	152
35°	16
45°	6



Watts: 26.4  
 Lumens: 1627  
 LPW: 62  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	5444
5°	5349
15°	2905
25°	593
35°	79
45°	6



Watts: 26.3  
 Lumens: 1203  
 LPW: 46  
 CCT: 3000K

**Candelas at Nadir**

Degree	CBCP
0°	1683
5°	1639
15°	1485
25°	880
35°	322
45°	28