

MXG2DRTR

3.5" MX G2 TunableWhite Pinhole

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
TW05	8W	3500K / 92 CRI	500lm	62.5 lm/W
TW0	11W	3500K / 92 CRI	750lm	68.2 lm/W
TW1	17W	3500K / 92 CRI	1000lm	58.8 lm/W

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

FEATURES

- Multiple architectural trim options
- Field changeable 14°, 26°, 30° or 45° optics

LED LIGHT ENGINE

- Tuning range from 2700K-6500K at a minimum of 92 CRI
- 3 SDGM binning throughout the tunable CCT range
- Wattage: 8W to 17W
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

ELECTRICAL SYSTEM

- 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

- eldoLED Dual Drive 2CH 0-10V 0.1% (Remote Only)
- Lutron T-Series 1% 2CH tunable white driver (Remote Only)
- DMX512 RDM 8-bit 0.1% (Remote Only)
- eldoLED Dual Drive DALI (DT6/DT8) 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 (EC1/EC2 Not available with Chicago Plenum)

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

Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (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. Maximum ambient temperature: 95°F (35°C)

REMOTE BOX

- Remote box included when required by specification
- Galvanized steel construction
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

ACCESSORIES

Luminaire will accommodate (2) accessories, accessory holder required

LISTING / WARRANTY

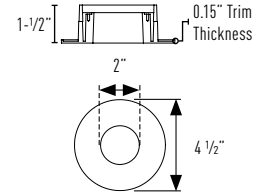
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum



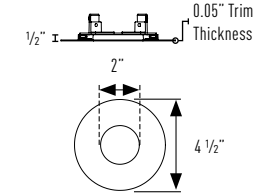
JOB NAME	CATALOG NUMBER
NOTES	TYPE



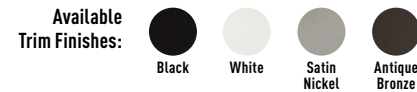
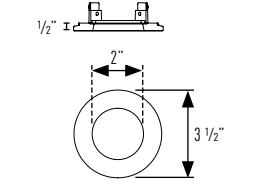
MXTG2-RTRD306
(1-1/2" Regress)



MXTG2-RFRR306
(1/2" Flat Mount)



MXTG2-RTL306
(1/2" Regress)



Housing Part Number (Example: MXFG2DRTR-ICTW05-ED10V01)

Housing Type	Ceiling Thickness	Wattage	Dimming	Voltage
MXG2DRTR-NC (Non-IC)	blank (5/8") EC1 (1")	TW05 (8W) TW0 (11W)	-ED10V01 ¹ (eldoLED Dual Drive 2CH 0-10V 0.1%) -LUTT ¹ (Lutron® T Series 1%)	blank (Non-IC: 120V; -IC/-CP: 120V/277V)
MXG2DRTR-IC (Air-Tight IC)	EC2 (2")	TW1 (17W)	-DMXR ¹ (DMX512 RDM 8-bit 0.1%) -DALI6 ² (eldoLED Dual Drive DALI DT6 0.1%) -DALI8 ² (eldoLED Dual Drive DALI DT8 0.1%)	27 (277V Non-IC Only; For -IC/-CP housing options use blank)
MXG2DRTR-CP (Chicago Plenum)				

Trim Part Number (Example: MXTG2-RTRD306WTWSP)

Trim	Finish	CCT Range	Optic
MXTG2-RTRD306 (1-1/2" Regress)	W (White) B ⁴ (Black)	TW (2700K-6500K)	SP (14° SP) NF (26° NFL) FL (30° FL) WF (45° WFL)
MXTG2-RTL306 ³ (1-1/2" Regress Trimless)	SN ⁴ (Satin Nickel) AB ⁴ (Antique Bronze)		
MXTG2-RFRR306 (1/2" Flat Mount)			

Notes:

- AIC or CP only, Remote Box Required
- Not Available with AIC or CP in TW1
- Trimless options are for use with mud ring accessory only
- Consult factory for lead times

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)

Bar Hangers

1100	(C-Channel Bar Hangers)
1200	(Flat Bar Hangers)
1400	(Wood Joist Bar Hangers)

Mud Ring

MXR-MR ³	(Round Trimless Mud Ring)
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MX DOWNLIGHTING LUM-0213:25 P-11

INTENSE LIGHTING | 725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877 | fax 847 559-5505

For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 800 961-5321.

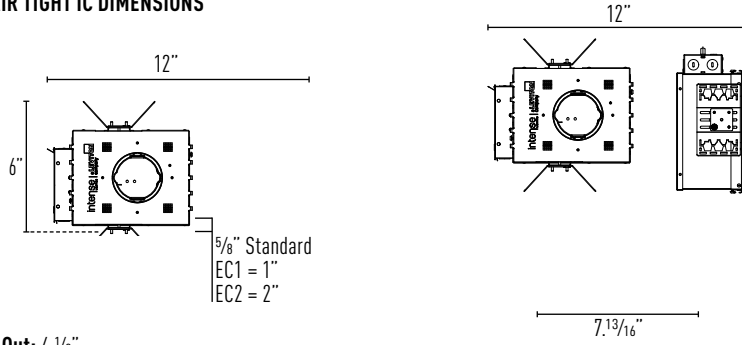
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MXG2DRTR

3.5" MX G2 TunableWhite Pinhole

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS

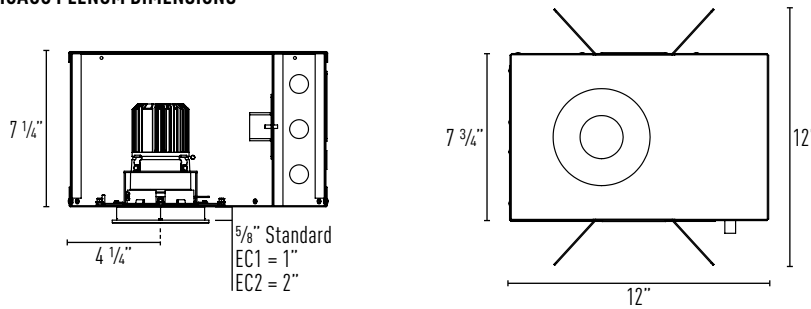


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

Collar Type	Standard	EC1	EC2
Max Ceiling Thickness	Up-to 5/8"	Up-to 1"	Up-to 2"

CCEA CHICAGO PLENUM DIMENSIONS

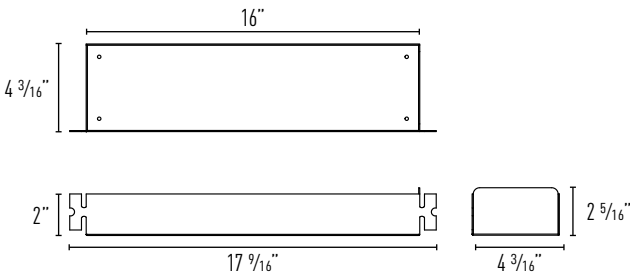


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

Collar Type	Standard	EC1	EC2
Max Ceiling Thickness	Up-to 5/8"	Up-to 1"	Up-to 2"

REMOTE MOUNTED DRIVER OPTIONS



Remote Driver Box For

eldoLED Dual Drive 2CH 0-10V 0.1%
Lutron T-Series 1% 2CH tunable white driver
DMX512 RDM 8-bit 0.1%

Note: Wires for class 2 LED driver require a minimum of 18 AWG wire at a maximum of 50 feet length per local and national electrical regulations.

Lumen Package	System Wattage		
	CCT	120V	277V
TW05 (500lm)	2700K	8W	10W
	3500K	8W	9W
	6000K	7W	8W
TW0 (750lm)	2700K	13W	14W
	3500K	11W	12W
	6000K	10W	12W
TW1 (1000lm)	2700K	21W	22W
	3500K	17W	18W
	6000K	16W	17W

MXG2DRTR

3.5" MX G2 TunableWhite Pinhole

JOB NAME	CATALOG NUMBER
NOTES	TYPE

ACCESSORIES:

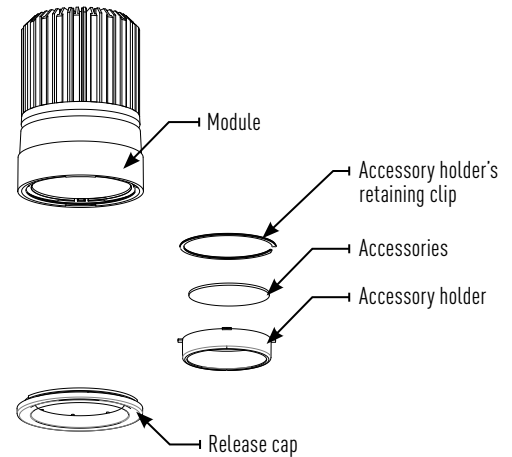
Luminaire will accommodate (2) accessories, accessory holder required.

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

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)

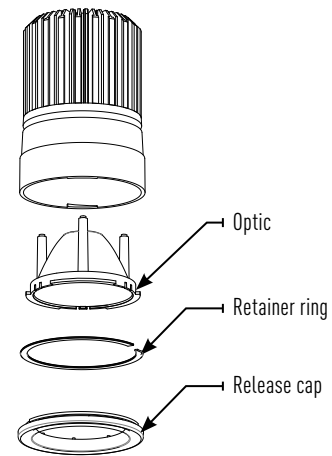


OPTICS REPLACEMENT

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-OP4712	(14° Spot)
IP-OP4724	(26° Narrow Flood)
IP-OP4736	(30° Flood)
IP-OP4750	(45° Wide Flood)



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)

MXTG2-RTRD306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.73)

MXTG2-RFRR306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.98)
 1" Thickness (x 0.80)
 2" Thickness (x 0.65)

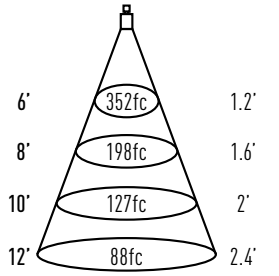
CCT MULTIPLIERS:

	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)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

12° Spot (12)

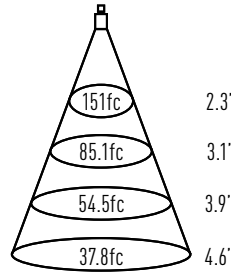


Watts: 10
 Lumens: 725
 LPW: 73
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

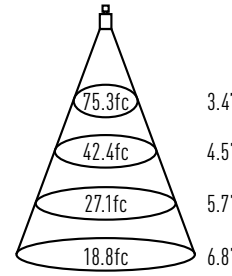


Watts: 10
 Lumens: 835
 LPW: 83
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

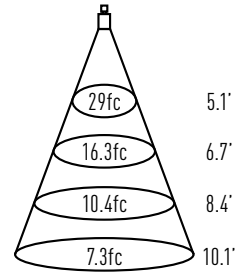


Watts: 10
 Lumens: 848
 LPW: 85
 CCT: 3000K

Candelas at Nadir

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

50° Wide Flood (50)



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)

MXTG2-RTRD306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.73)

MXTG2-RFRR306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.98)
 1" Thickness (x 0.80)
 2" Thickness (x 0.65)

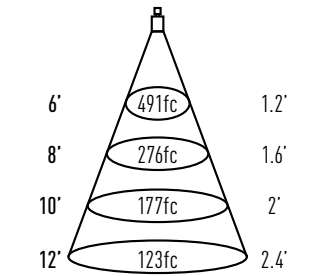
CCT MULTIPLIERS:

	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)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.50)
 12W Emergency (x 0.85)

12° Spot (12)

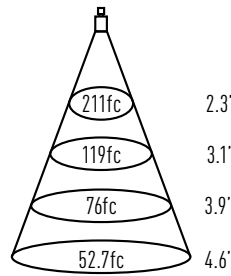


Watts: 15.6
 Lumens: 996
 LPW: 64
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

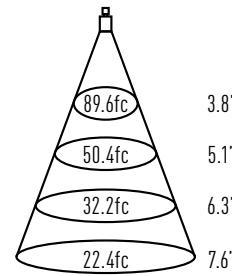


Watts: 15.6
 Lumens: 1165
 LPW: 75
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

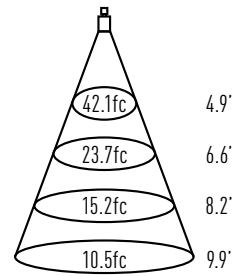


Watts: 15.6
 Lumens: 1204
 LPW: 77
 CCT: 3000K

Candelas at Nadir

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

50° Wide Flood (50)



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)

MXTG2-RTRD306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.73)

MXTG2-RFRR306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.98)
 1" Thickness (x 0.80)
 2" Thickness (x 0.65)

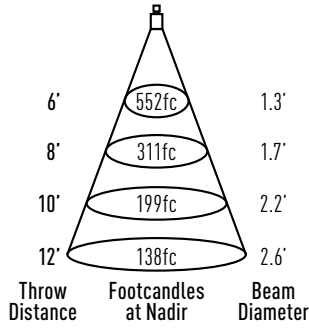
CCT MULTIPLIERS:

	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)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.40)
 12W Emergency (x 0.68)

12° Spot (12)

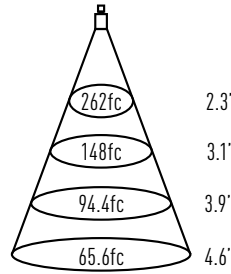


Watts: 20.4
 Lumens: 1225
 LPW: 60
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

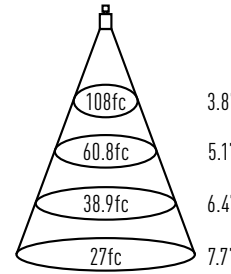


Watts: 20.8
 Lumens: 1425
 LPW: 69
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

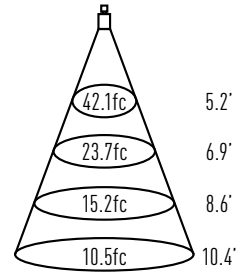


Watts: 20.4
 Lumens: 1450
 LPW: 71
 CCT: 3000K

Candelas at Nadir

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

50° Wide Flood (50)



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)

MXTG2-RTRD306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.73)

MXTG2-RFRR306

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.98)
 1" Thickness (x 0.80)
 2" Thickness (x 0.65)

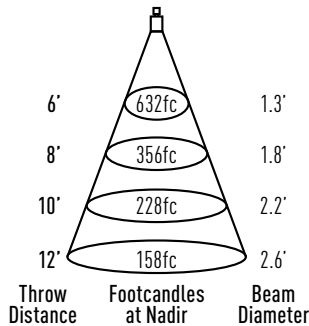
CCT MULTIPLIERS:

	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)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.35)
 12W Emergency (x 0.59)

12° Spot (12)

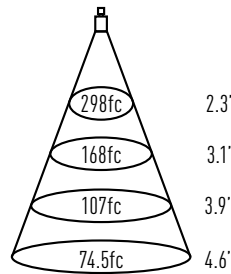


Watts: 26.3
 Lumens: 1413
 LPW: 54
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

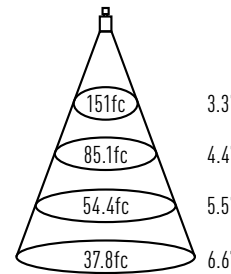


Watts: 26.3
 Lumens: 1621
 LPW: 62
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

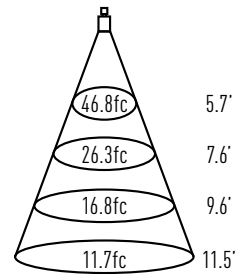


Watts: 26.4
 Lumens: 1627
 LPW: 62
 CCT: 3000K

Candelas at Nadir

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

50° Wide Flood (50)



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