MXG2DRTL
3.5" MX G2 LED Warm Dim Trimless Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **
WD1	13.5W	3000K-1800K / 92 CRI	900lm
WD2	16.5W	3000K-1800K / 92 CRI	1150lm

* 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
- Perforated mesh frame is die-cast to a 0.8mm thickness to easily adhere to joint compound for seamless and trimless mounting.

TRIM SPECIFICATION
- High quality A380 aluminum die-cast trims

INSTALLATION
- Housing types include Non-IC, IC Air-Tight and CCEA (Chicago Plenum), 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 500lm to 850lm for 90 minutes, depending on backup wattage selected
- Servicing requires above ceiling access

ACCESSORIES
Luminaire will accommodate (2) accessories (Accessory is holder required)
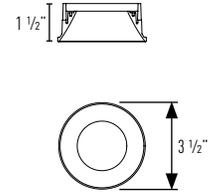
LISTING / WARRANTY
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum
- Can be used to comply with Title 24, Part 6, JA8 high efficacy LED light source requirements
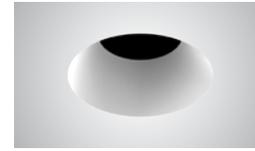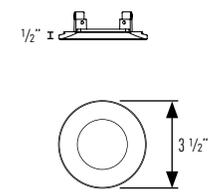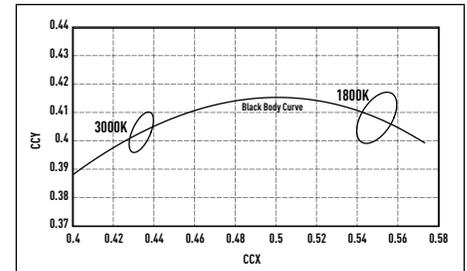

MXTG2-RTLD300
(1 1/2" Regress)

MXTG2-RTLR300
(1/2" Regress)

Available Trim Finishes

Black	White	Satin Nickel	Antique Bronze	Wheat

Housing Part Number (Example: MXG2DRTR-NCW1DIM)

Housing	Installation Type	Ceiling Thickness	Wattage	Dimming		Voltage		Options	
MXG2DRTL	**-NC** (Non-IC)	blank (⅝")	**WD1** (13.5W)	**DIM**[1]	(Phase Dimming)	blank	(-NC: 120V Only / -IC/-CP: UNV 120V-277V)	**I100**	(C-Channel Bar Hangers)
	-IC (Air-Tight IC)	**EC1** (1")	**WD2** (16.5W)	**D101**	(0-10V Dimming 1%)	**27**	(277V For -NC Only)	**I200**	(Flat Bar Hangers)
	-CP (Chicago Plenum)	**EC2** (2")		**ED10V1**	(eldoLED 0-10V 1%)			**I400**	(Wood Joist Bar Hangers)
				ED10V01	(eldoLED 0-10V 0.1%)			**EM7**[3]	(7W Emergency Backup IOTA Part #ILB-CP07-A)
				LUT	(Lutron® LDE1 EcoSystem 1%)				
				LUT2[1]	(Lutron® LTEA2W 2-Wire 1%)			**EM12**[3]	(12W Emergency Backup IOTA Part #ILB-CP12-A)
				DMXR[2]	(DMX512 RDM 0.1%)				

Trim Part Number (Example: MXTG2-RTLD300WWD1NF)

Trim	Finish		Wattage	Optic	
MXTG2-RTLD300 (1 1/2" Regress)	**B** (Black)	**W** (White)	**WD1** (13.5W)	**NF** (24° Narrow Flood)	
MXTG2-RTLR300 (1/2" Regress)	**SN** (Satin Nickel)	**AB** (Antique Bronze)	**WD2** (16.5W)	**FL** (30° Flood)	
	WH (Wheat)			**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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NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS
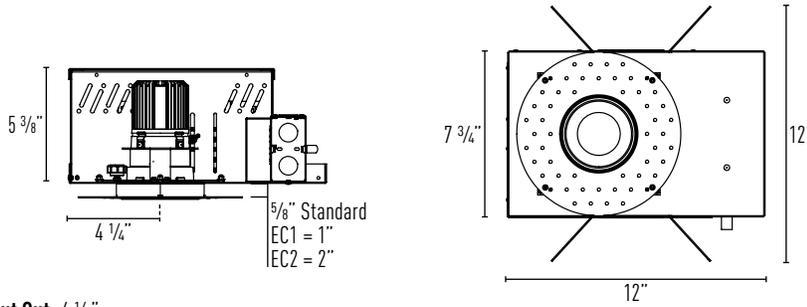
5 3/8"

4 1/4"

5/8" Standard
EC1 = 1"
EC2 = 2"

7 3/4"

12"

12"

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
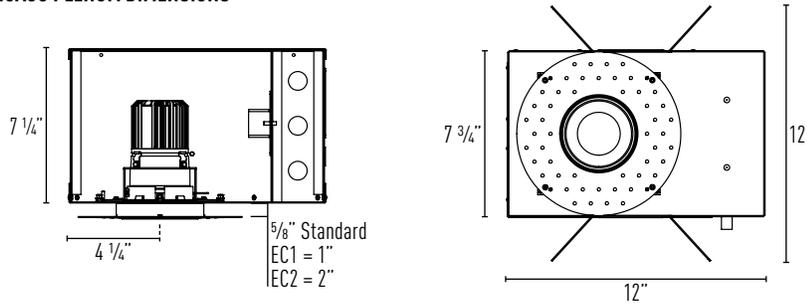
7 1/4"

4 1/4"

5/8" Standard
EC1 = 1"
EC2 = 2"

7 3/4"

12"

12"

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"

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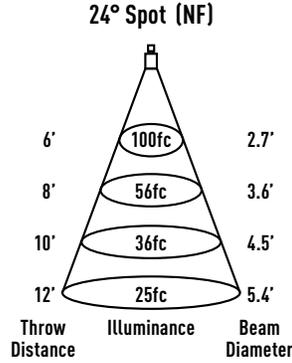**IP-OP4736** (30° Flood)
IP-OP4750 (45° Wide Flood)

Optic

Retainer ring

Release cap
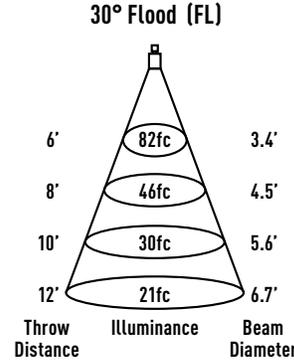
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MX
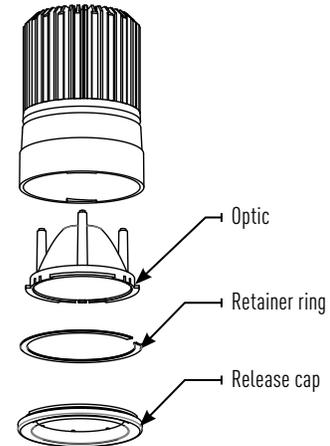
MXTG2-RTLD300WWD1

REPORT #:
ILL20180913-10.001 (24)
ILL20180917-1.001 (30)
ILL20180919-1.001 (45)

TRIM MULTIPLIERS:
MXTG2-RTRD300 (x 1.00)
MXTG2-RTRR300 (x 0.90)

24° Spot (NF)

Throw Distance	Illuminance	Beam Diameter
6'	100fc	2.7'
8'	56fc	3.6'
10'	36fc	4.5'
12'	25fc	5.4'

Watts: 13.5
Lumens: 846
LPW: 63
CCT: 3000K

Intensity

Degree	Candela
0°	3586
5°	3212
15°	1360
25°	316
35°	27
45°	6

30° Flood (FL)

Throw Distance	Illuminance	Beam Diameter
6'	82fc	3.4'
8'	46fc	4.5'
10'	30fc	5.6'
12'	21fc	6.7'

Watts: 13.5
Lumens: 959
LPW: 71
CCT: 3000K

Intensity

Degree	Candela
0°	2964
5°	2826
15°	1582
25°	444
35°	64
45°	9

45° Wide Flood (WF)

Throw Distance	Illuminance	Beam Diameter
6'	35fc	5.1'
8'	20fc	6.8'
10'	13fc	18.4'
12'	9fc	10.1'
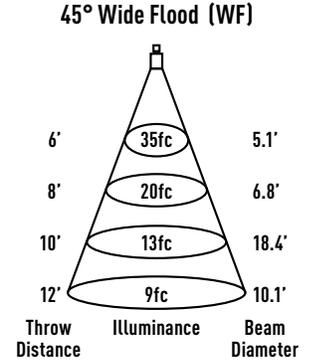
Watts: 13.5
Lumens: 824
LPW: 61
CCT: 3000K

Intensity

Degree	Candela
0°	1268
5°	1240
15°	988
25°	540
35°	204
45°	53

MXTG2-RTLD300WWD2

REPORT #:
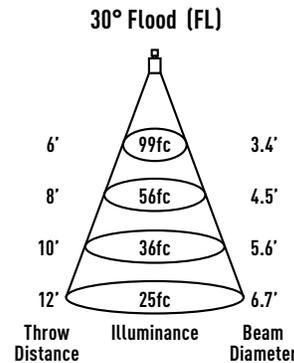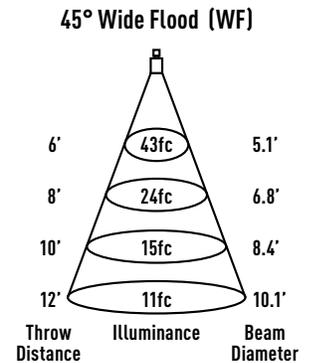ILL20180913-10.002 (24)
ILL20180917-1.002 (30)
ILL20180919-1.002 (45)

TRIM MULTIPLIERS:
MXTG2-RTRD300 (x 1.00)
MXTG2-RTRR300 (x 0.90)

24° Spot (NF)

Throw Distance	Illuminance	Beam Diameter
6'	120fc	2.7'
8'	67.5fc	3.6'
10'	43.2fc	4.5'
12'	30fc	5.4'
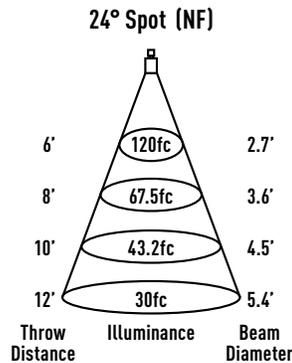
Watts: 16.4
Lumens: 1021
LPW: 62
CCT: 3000K

Intensity

Degree	Candela
0°	4320
5°	3870
15°	1639
25°	380
35°	33
45°	8

30° Flood (FL)

Throw Distance	Illuminance	Beam Diameter
6'	99fc	3.4'
8'	56fc	4.5'
10'	36fc	5.6'
12'	25fc	6.7'

Watts: 16.4
Lumens: 1155
LPW: 70
CCT: 3000K

Intensity

Degree	Candela
0°	3571
5°	3405
15°	1906
25°	535
35°	77
45°	11

45° Wide Flood (WF)

Throw Distance	Illuminance	Beam Diameter
6'	43fc	5.1'
8'	24fc	6.8'
10'	15fc	8.4'
12'	11fc	10.1'

Watts: 16.4
Lumens: 993
LPW: 61
CCT: 3000K

Intensity

Degree	Candela
0°	1529
5°	1495
15°	1191
25°	651
35°	246
45°	64