

MXRG2ARTR

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 2SDCM binning
- >50,000 hours L70 (rated life at 70% output)

ELECTRICAL SYSTEM

- (Non-IC) Dedicated voltage options of 120V or 277V. Must be specified in catalog code.
- 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

Aiming with locking 35° vertical and 360° horizontal adjustment. High quality trims are die-cast using A380 aluminum with durable powder coat available in multiple finishes, black interior standard. Trim available in 1" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

INSTALLATION

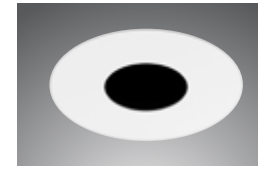
Housing installs from below the ceiling. Swing out lugs allow for installation in ceilings between 5/16" and 3/4". Max. ambient temperature: 95°F (35°C). Housing is Non-IC rated, must be kept at a minimum of 3" away from insulation.

ACCESSORIES

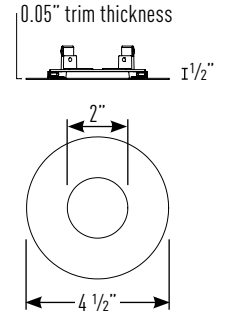
Luminaire will accommodate (2) accessories, accessory holder required, see page 2.

LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- ENERGY STAR® Qualified¹
- Can be used to comply with 2016 Title 24, Part 6, JA8 high efficacy LED light source requirements²



MXTG2-RFRR306
(1/2" Flat Mount)



Housing dimensions are on Page 2

Available Trim Finishes



Housing Part Number (Example: MXRG2ARTR-NCL1)

Housing	Installation Type	Wattage	Dimming	Voltage
MXRG2ARTR	-NC (Non-IC)	L0 (10W)	blank (Non-Dimming)	blank (Non-IC: 120V -IC/-CP: 120V/277V) 27 (277V Non-IC Only, for -IC/-CP housing options use blank)
		L1 (16W)	DELV ³ (Phase Dimming)	
		L2 (20W)	D101 (0-10V Dimming 1%)	
		L3 (26W)	ED10V1 ⁴ (eldoLED 0-10V 1%)	
			ED10V01 ⁴ (eldoLED 0-10V 0.1%)	
			LUT ⁵ (Lutron® LDE1 EcoSystem 1%)	
	DMXR ⁶ (DMX512 RDM 0.1%)			

Trim Part Number (Example: MXTG2-RFRR306WL13024)

Trim	Finish	Wattage	CCT / CRI	Optic
MXTG2-RFRR306 (1/2" Flat Mount)	W (White)	L0 (10W)	27 (2700K / 82 CRI)	09 ⁷ (9° Narrow Spot)
		L1 (16W)	279 (2700K / 92 CRI)	12 (12° Spot)
		L2 (20W)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)
	B (Black)	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)	
	AB (Antique Bronze)			

Notes:

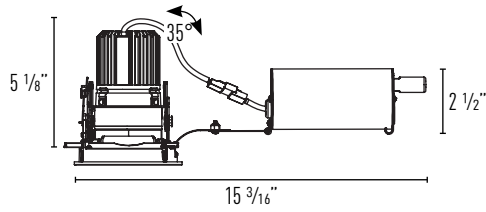
- ENERGY STAR® Qualified (White reflectors only). Excludes: L2, L3, 92 CRI & 9° options
- L0 only; Excludes: 82 CRI & 9° options
- Available in 120V only
- Not Available in L3
- Not Available in L2 & L3
- DMX512 RDM not available in L0 & L1
- 9° NS available in 279 with L0 or L1 Only

MXRG2ARTR

3.5" MX G2 LED Pinhole with Remodel Housing

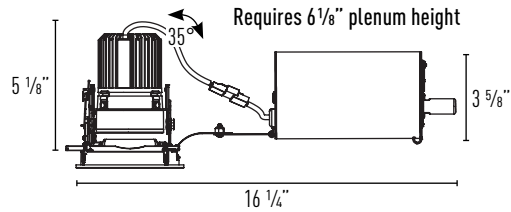
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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

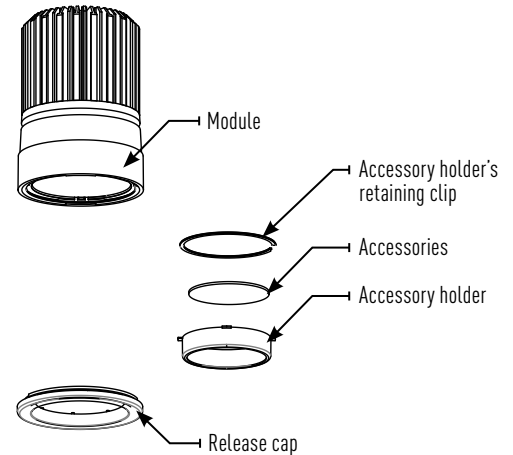
Luminaire will accommodate (2) accessories, accessory holder required.

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

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)

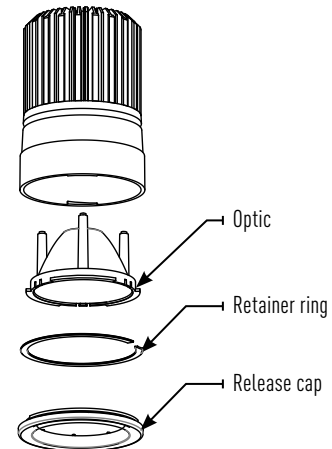


OPTICS REPLACEMENT

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	(12° Spot)
IP-OP4724	(24° Narrow Flood)
IP-OP4736	(36° Flood)
IP-OP4750	(50° Wide Flood)



MX ADJUSTABLE REMODEL L/M-109-23 P-14

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.intenselight.com. For a printed copy of the warranty, you may call 800 961-5321.
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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

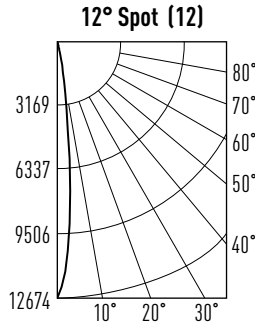
MXTG2-RTRA306L0

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

TRIM MULTIPLIER:
 MXTG2-RFRR306 (x 0.96)

CCT MULTIPLIERS:

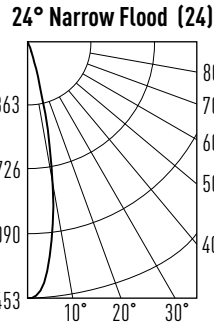
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



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

Candelas at Nadir

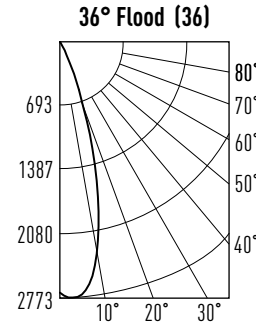
Degree	Candela
0°	12674
5°	7407
15°	524
25°	50
35°	9
45°	3



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

Candelas at Nadir

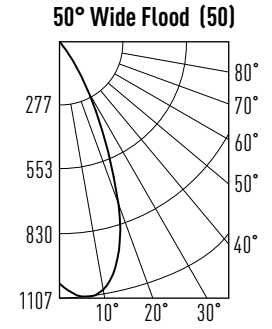
Degree	Candela
0°	5449
5°	4890
15°	1255
25°	93
35°	8
45°	3



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

Candelas at Nadir

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



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

Candelas at Nadir

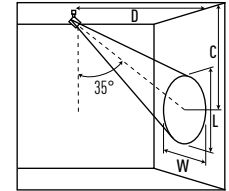
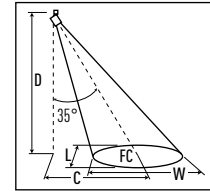
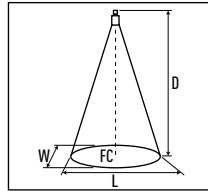
Degree	Candela
0°	1043
5°	1102
15°	969
25°	469
35°	124
45°	7

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.

- W** Beam width
- L** Beam length
- C** Distance to center of beam
- D** Distance
- FC** Footcandles

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.



	0° HORIZONTAL				35° HORIZONTAL				35° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXTG2-RTRA306L0 3000K 12° Spot	6'	352	1.2	1.2	6'	4	191	1.74	1.38	3'	4	367	1.13	1.9
	8'	195	1.6	1.6	8'	5	98.7	2.54	1.84	4'	6	191	1.38	2.59
	10'	127	2	2	10'	7	69.7	3	2.54	5'	7	136	1.63	3.04
	12'	88	2.4	2.4	12'	8	47.6	3.58	3	6'	8	91.8	2.07	3.7
MXTG2-RTRA306L0 3000K 24° Narrow Flood	6'	151	2.3	2.3	6'	4	87	3.17	2.77	3'	4	173	1.79	3.11
	8'	85.1	3.1	3.1	8'	5	50.5	4.08	3.45	4'	5	98.9	2.5	4.02
	10'	54.5	3.9	3.9	10'	6	32.4	5.09	4.37	5'	6	62.2	3.16	5.05
	12'	37.8	4.6	4.6	12'	7	22.2	6.17	5.3	6'	8	43.3	3.71	6.02
MXTG2-RTRA306L0 3000K 36° Flood	6'	75.3	3.4	3.4	6'	3	49.9	4.06	3.57	3'	3	91.4	2.74	3.96
	8'	42.4	4.5	4.5	8'	4	28.1	5.38	4.83	4'	5	52.7	3.42	5.18
	10'	27.1	5.7	5.7	10'	5	18	6.68	5.97	5'	6	34.6	4.34	6.37
	12'	18.8	6.8	6.8	12'	6	12.5	8.05	7.2	6'	7	24.3	5.06	7.55
MXTG2-RTRA306L0 3000K 50° Wide Flood	6'	29	5.1	5.1	6'	3	21.9	5.02	4.91	3'	3	42.7	3.35	4.38
	8'	16.3	6.7	6.7	8'	3	12.7	6.5	6.49	4'	4	24	4.58	5.78
	10'	10.4	8.4	8.4	10'	4	8.2	8.06	8.1	5'	5	15.4	5.75	7.18
	12'	7.3	10.1	10.1	12'	5	5.7	9.64	9.67	6'	6	10.7	6.89	8.62

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

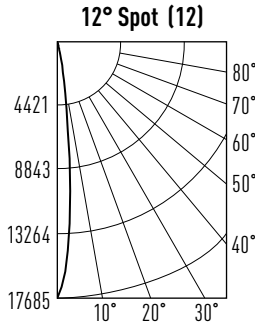
MXTG2-RTRA306L1

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

TRIM MULTIPLIER:
 MXTG2-RFRR306 (x 0.96)

CCT MULTIPLIERS:

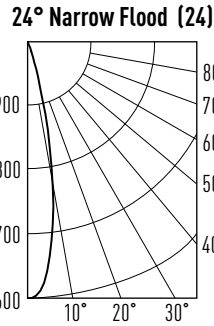
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



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

Candelas at Nadir

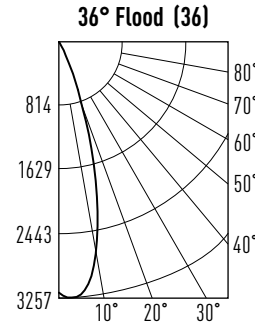
Degree	Candela
0°	17685
5°	10155
15°	718
25°	69
35°	13
45°	4



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

Candelas at Nadir

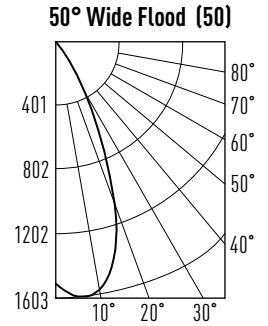
Degree	Candela
0°	7595
5°	6824
15°	1751
25°	129
35°	11
45°	4



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

Candelas at Nadir

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



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

Candelas at Nadir

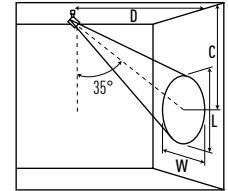
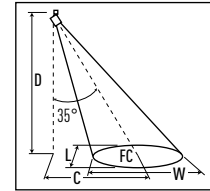
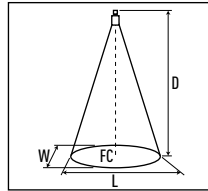
Degree	Candela
0°	1517
5°	1599
15°	1376
25°	645
35°	166
45°	10

APPLICATION DATA:

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

- W** Beam width
- L** Beam length
- C** Distance to center of beam
- D** Distance
- FC** Footcandles

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.



	0° HORIZONTAL				35° HORIZONTAL				35° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXTG2-RTRA306L1 3000K 12° Spot	6'	491	1.2	1.2	6'	4	265	1.72	1.37	3'	4	510	1.13	1.88
	8'	276	1.6	1.6	8'	5	137	2.51	1.82	4'	6	265	1.37	2.58
	10'	177	2	2	10'	7	97.2	2.97	2.5	5'	7	190	1.62	2.99
	12'	123	2.4	2.4	12'	8	66.2	3.54	2.97	6'	8	127	2.04	3.69
MXTG2-RTRA306L1 3000K 24° Narrow Flood	6'	211	2.3	2.3	6'	4	121	3.17	2.78	3'	4	241	1.79	3.11
	8'	119	3.1	3.1	8'	5	70.5	4.09	3.44	4'	5	138	2.5	4.03
	10'	76	3.9	3.9	10'	6	45.2	5.09	4.37	5'	6	86.8	3.16	5.04
	12'	52.7	4.6	4.6	12'	8	30.3	6.18	5.31	6'	8	60.3	3.72	6.04
MXTG2-RTRA306L1 3000K 36° Flood	6'	89.6	3.8	3.8	6'	3	60.2	4.31	3.86	3'	3	114	2.87	4.01
	8'	50.4	5.1	5.1	8'	4	34	5.69	5.22	4'	4	64.3	3.66	5.42
	10'	32.2	6.3	6.3	10'	5	21.8	7.13	6.51	5'	5	41.2	4.72	6.73
	12'	22.4	7.6	7.6	12'	6	15.1	8.55	7.77	6'	7	28.6	5.58	8.04
MXTG2-RTRA306L1 3000K 50° Wide Flood	6'	42.1	4.9	4.9	6'	3	31.6	4.95	4.8	3'	3	61.4	3.3	4.37
	8'	23.7	6.6	6.6	8'	3	18	6.84	6.44	4'	4	34.6	4.49	5.73
	10'	15.2	8.2	8.2	10'	4	11.7	6.54	7.98	5'	5	22.1	5.63	7.17
	12'	10.5	9.9	9.9	12'	5	8.2	9.54	9.49	6'	6	15.4	6.75	8.59

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRA306L2

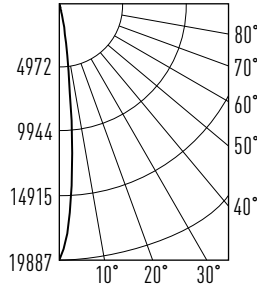
Report #: ILL-01262016-26 (12)
 ILL-02082016-06 (24)
 ILL-01262016-32 (36)
 ILL-02082016-05 (50)

TRIM MULTIPLIER:
 MXTG2-RFRR306 (x 0.96)

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)

12° Spot (12)

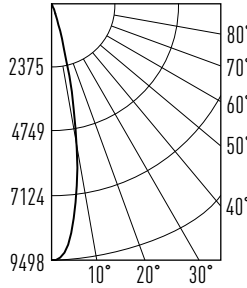


Watts: 20.4
 Lumens: 1225
 LPW: 60
 CCT: 3000K

Candelas at Nadir

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

24° Narrow Flood (24)

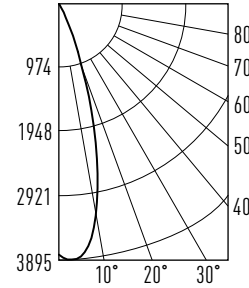


Watts: 20.8
 Lumens: 1425
 LPW: 69
 CCT: 3000K

Candelas at Nadir

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

36° Flood (36)

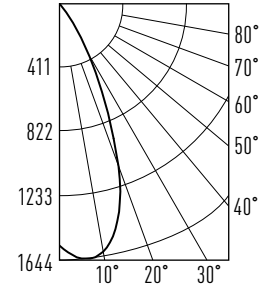


Watts: 20.4
 Lumens: 1450
 LPW: 71
 CCT: 3000K

Candelas at Nadir

Degree	Candela
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

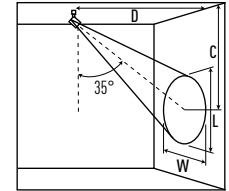
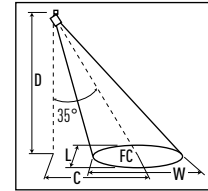
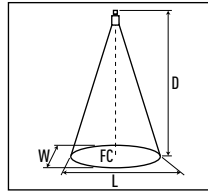
Degree	Candela
0°	1516
5°	1602
15°	1553
25°	844
35°	257
45°	17

APPLICATION DATA:

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

- W** Beam width
- L** Beam length
- C** Distance to center of beam
- D** Distance
- FC** Footcandles

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.



	0° HORIZONTAL				35° HORIZONTAL				35° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXTG2-RTRA306L2 3000K 12° Spot	6'	552	1.3	1.3	6'	4	316	1.84	1.41	3'	4	627	1.11	1.93
	8'	311	1.7	1.7	8'	5	174	2.51	1.81	4'	5	319	1.4	2.66
	10'	199	2.2	2.2	10'	7	109	3.26	2.79	5'	7	218	1.73	3.22
	12'	138	2.6	2.6	12'	8	79	3.75	3.14	6'	8	157	2.11	3.77
MXTG2-RTRA306L2 3000K 24° Narrow Flood	6'	262	2.3	2.3	6'	4	152	3.15	2.75	3'	4	303	1.78	3.09
	8'	148	3.1	3.1	8'	5	88.7	4.06	3.44	4'	5	174	2.48	3.98
	10'	94.4	3.9	3.9	10'	6	57	5.05	4.33	5'	6	110	3.14	4.99
	12'	65.6	4.6	4.6	12'	7	39.1	6.1	5.26	6'	8	75.7	3.7	6.01
MXTG2-RTRA306L2 3000K 36° Flood	6'	108	3.8	3.8	6'	3	72.5	4.31	3.88	3'	3	137	2.86	4
	8'	60.8	5.1	5.1	8'	4	40.8	5.69	5.25	4'	4	77	3.69	5.43
	10'	38.9	6.4	6.4	10'	5	26.1	7.15	6.54	5'	5	49.3	4.74	6.74
	12'	27	7.7	7.7	12'	6	18.1	8.55	7.81	6'	6	34.2	5.62	8.06
MXTG2-RTRA306L2 3000K 50° Wide Flood	6'	42.1	5.2	5.2	6'	2	35.3	4.89	5.08	3'	3	64.6	3.63	4.44
	8'	23.7	6.9	6.9	8'	3	20.2	6.35	6.75	4'	4	36.3	4.91	5.84
	10'	15.2	8.6	8.6	10'	4	12.9	7.96	8.53	5'	5	23.2	6.27	7.34
	12'	10.5	10.4	10.4	12'	5	8.9	9.64	10.03	6'	5	16.2	7.4	8.73

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

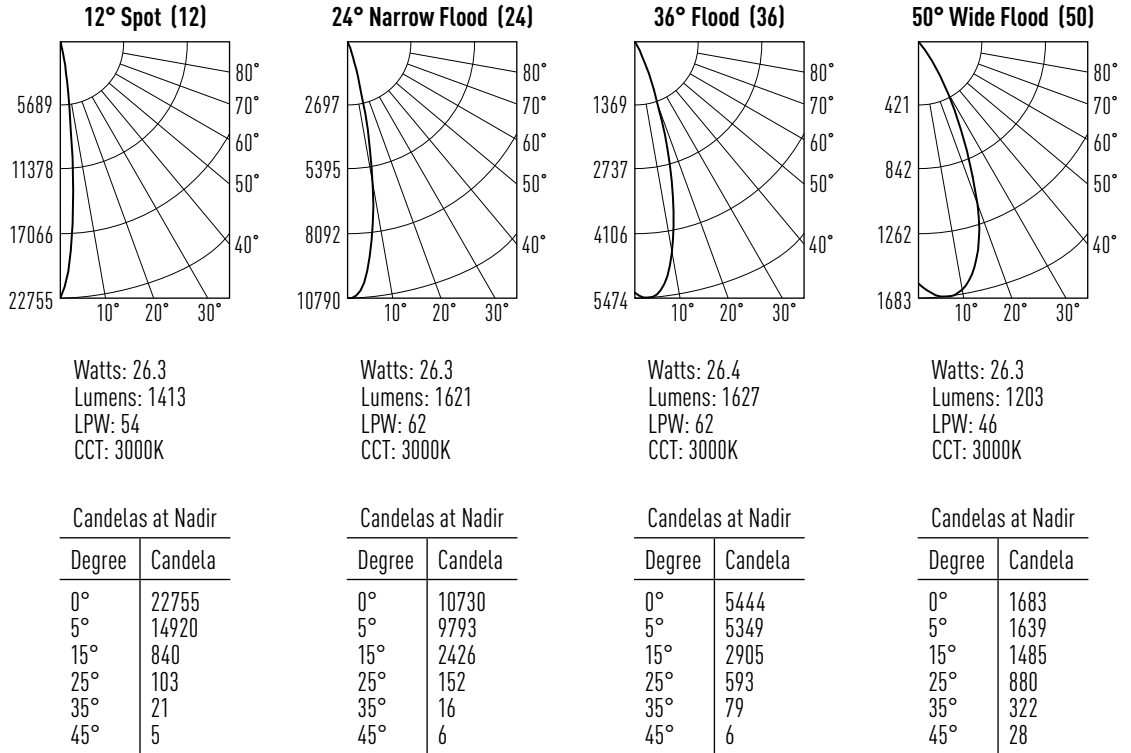
MXTG2-RTRA306L3

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

TRIM MULTIPLIER:
 MXTG2-RFRR306 (x 0.96)

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)

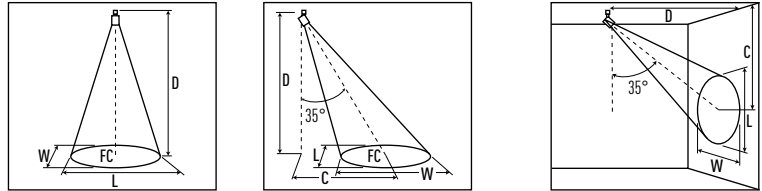


APPLICATION DATA:

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

- W** Beam width
- L** Beam length
- C** Distance to center of beam
- D** Distance
- FC** Footcandles

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.



	0° HORIZONTAL				35° HORIZONTAL				35° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXTG2-RTRA306L3 3000K 12° Spot	6'	632	1.3	1.3	6'	4	359	1.86	1.43	3'	4	701	1.12	1.95
	8'	356	1.8	1.8	8'	5	199	2.54	1.89	4'	5	361	1.43	2.73
	10'	228	2.2	2.2	10'	7	125	3.25	2.77	5'	7	250	1.76	3.25
	12'	158	2.6	2.6	12'	8	89.7	3.78	3.16	6'	8	175	2.22	3.85
MXTG2-RTRA306L3 3000K 24° Narrow Flood	6'	298	2.3	2.3	6'	4	172	3.17	2.76	3'	4	344	1.78	3.09
	8'	168	3.1	3.1	8'	5	101	4.05	3.44	4'	5	198	2.48	3.98
	10'	107	3.9	3.9	10'	6	64.8	5.05	4.32	5'	6	125	3.14	4.99
	12'	74.5	4.6	4.6	12'	7	44.4	6.11	5.27	6'	8	85.9	3.7	6.01
MXTG2-RTRA306L3 3000K 36° Flood	6'	151	3.3	3.3	6'	3	96.1	4.02	3.52	3'	4	175	2.72	3.97
	8'	85.1	4.4	4.4	8'	4	54.1	5.34	4.77	4'	5	103	3.34	5.09
	10'	54.4	5.5	5.5	10'	5	34.6	6.63	5.87	5'	6	67.5	4.22	6.25
	12'	37.8	6.6	6.6	12'	6	24	8	7.09	6'	7	47.2	4.97	7.46
MXTG2-RTRA306L3 3000K 50° Wide Flood	6'	46.8	5.7	5.7	6'	2	33.8	5.16	5.22	3'	3	62.5	3.73	4.54
	8'	26.3	7.6	7.6	8'	3	19.3	6.73	6.93	4'	4	35.1	4.98	5.97
	10'	16.8	9.6	9.6	10'	4	12.3	8.43	8.74	5'	5	22.5	6.34	7.49
	12'	11.7	11.5	11.5	12'	5	8.5	10.15	10.57	6'	6	15.6	7.58	8.97