

MXG2RTR1

MX G2 Recessed Multiple (1) Head with New Construction Frame-In

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
L0	10W	3000K / 82 CRI	950lm	95
L1	16W	3000K / 82 CRI	1350lm	84
L2	20W	3000K / 82 CRI	1700lm	85

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

LED LIGHT ENGINE

- 92 CRI & 82 CRI in 2700K, 3000K, 3500K and 4100K with 2 SDCM binning
- >50,000 hours L70 (rated life at 70% output)

OPTICS

Dedicated 9° and field changeable 12°, 24°, 36° or 50° optics

ELECTRICAL

- Multiple dimming drivers available
- Dedicated voltage options of 120V or 277V. Must be specified in catalog code. Power factor >.9, 50/60Hz
- (IC/CP Only) 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.

FRAME-IN (MUST ORDER SEPARATELY)

Frame-in 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. Frame-in is equipped with quick connect to trim assembly for easy installation. Junction box is accessible from below the ceiling.

INSTALLATION

Luminaire can accommodate up to 1" ceiling thickness. Luminaire is supplied with butterfly brackets to allow up-to 3" vertical adjustment. Compatible with C-channel, flat bar, wood joist bar and EMT. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings. Max. ambient temperature: 95°F (35°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

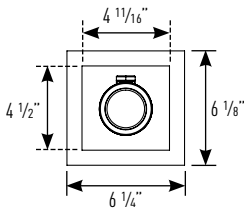
Remote test switch included. External battery operates one LED load of up to 7W at a minimum of 500 lumens for 90 minutes. (Note: EM not available with Chicago Plenum.)

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
- (-CP Only) CCEA Chicago Plenum
- 5-Year Intense LED Limited Warranty



MX



Frame-in dimensions are on Page 2

Ceiling Cut Out: 5 1/2" x 5 1/2"
Horizontal Adjustability: 360°
Vertical Adjustability: 30°

Trim Part Number (Example: MXG2RTR1L23012WW)

Trim	System Wattage	CCT / CRI	Optic	Head Finish	Flange Finish	Driver	Option
MXG2RTR1	L0 (10 Watts)	27 (2700K / 82 CRI)	09 ¹ (9° Narrow Spot)	B (Black)	B (Black)	blank (Non-Dimming)	-EM7 ⁵ (7W Emergency Backup
	L1 (16 Watts)	279 (2700K / 92 CRI)	12 (12° Spot)	W (White)	W (White)	DELV ² (Phase Dimming)	IOTA part #ILB-CP07-A
	L2 (20 Watts)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)			D101 (0-10V Dimming 1%)	-S ⁴ (Integral 1" Snoot)
		309 (3000K / 92 CRI)	36 (36° Flood)	Consult factory for special order finish		ED10V1 (eldoLED 0-10V 1%)	
		35 (3500K / 82 CRI)	50 (50° Wide Flood)			ED10V01 (eldoLED 0-10V 0.1%)	
		359 (3500K / 92 CRI)				LUT ³ (Lutron® LDE1 EcoSystem 1%)	
		41 (4100K / 82 CRI)				DMXR ⁴ (DMX512 RDM 0.1%)	
		419 (4100K / 92 CRI)					

Frame-In Part Number (Example: IP2-4FK-1)

Frame-In Type	Dimming Type (IC/CP only)	Voltage	Options	Accessories
IP2-4FK-1 (Non-IC)	blank (Non-IC, Non-Dimming & ELV)	Non-IC	-EM7 ⁵ (Remote Emergency Unit)	1100 (C-Channel Bar Hangers)
IP2-4FK-1IC (Air-Tight IC)	-D101 (0-10V Dimming)	blank (120V)		1200 (Flat Bar Hangers)
IP2-4FK-1CP (Chicago Plenum)	-LUT ³ (Lutron® LDE1 EcoSystem 1%)	-27 (277V)		1400 (Wood Joist Bar Hangers)
	-DMXR ⁴ (DMX512 RDM 0.1%)			
		IC & CP		
		blank (120-277V)		

Notes:

1. 9° Narrow spot not available in L2 & L3
2. Dimming available in 120V only
3. Not available in L2
4. DMX512 RDM available with L2 only
5. EM not available with Chicago Plenum
6. Snoot is integral to fixture and factory installed. Snoot's interior is black and compatible with accessory holder, black accessory holder recommended

MX-MULTIPLES LJM-06/20/25 P-1

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. For a printed copy of the warranty, you may call 800 961-5321.

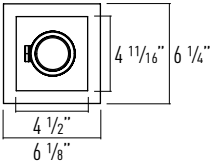
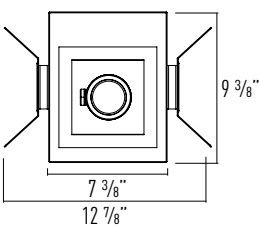
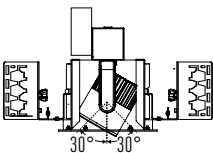
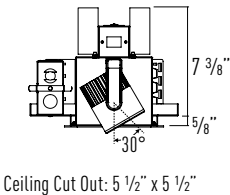
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MXG2RTR1

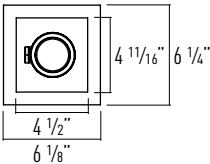
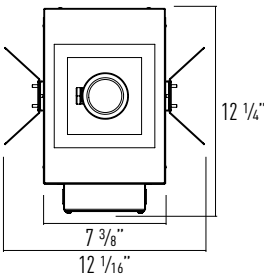
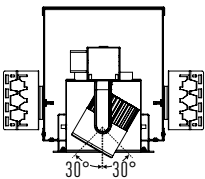
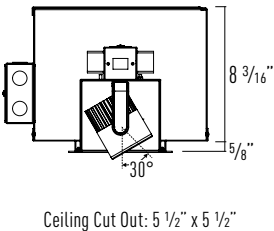
MX G2 Recessed Multiple (1) Head with New Construction Frame-In

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC DIMENSIONS



AIR TIGHT IC & CCEA CHICAGO PLENUM DIMENSIONS

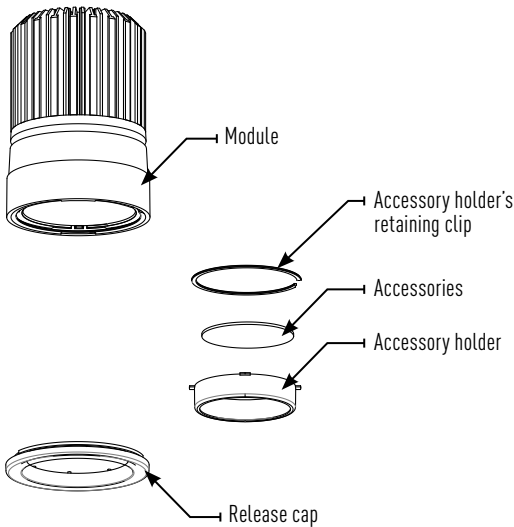


ACCESSORIES

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)

MXG2RTR1L030

Report #: ILL-02112016-09 (-12)
 ILL-02112016-10 (-24)
 ILL-02112016-11 (-36)
 ILL-02182016-01 (-50)

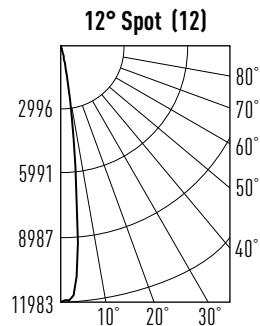
CCT / CRI Multipliers:

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

Emergency Multiplier:

7W Emergency (x 0.70)

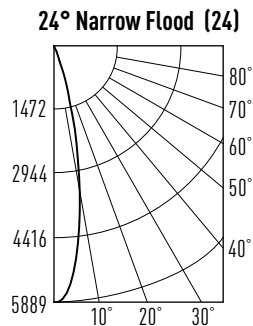
Photometric Data
 shown is compiled per
 head. For multi-light
 photometrics consult
 factory.



Watts: 10
 Lumens: 962
 LPW: 96
 CCT: 3000K

Candelas at Nadir

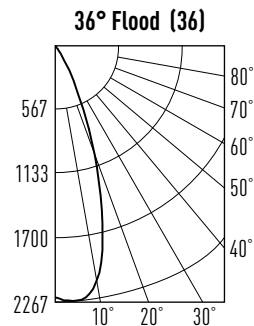
Degree	Candela
0°	11983
5°	9218
15°	647
25°	121
35°	46
45°	30



Watts: 10
 Lumens: 1023
 LPW: 102
 CCT: 3000K

Candelas at Nadir

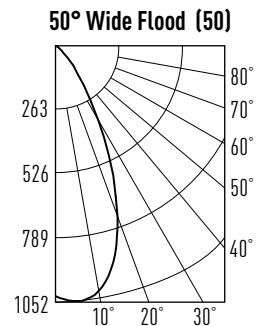
Degree	Candela
0°	5889
5°	5210
15°	1647
25°	179
35°	22
45°	6



Watts: 10
 Lumens: 1006
 LPW: 101
 CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	2227
5°	2267
15°	1632
25°	544
35°	106
45°	23



Watts: 10.4
 Lumens: 844
 LPW: 81
 CCT: 3000K

Candelas at Nadir

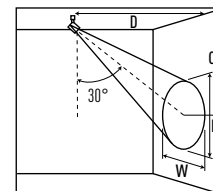
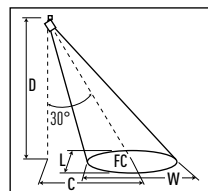
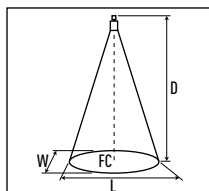
Degree	Candela
0°	1047
5°	1034
15°	908
25°	544
35°	233
45°	82

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 Foot candles

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				30° HORIZONTAL					30° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2RTR1L03012 3000K 12° Spot	6'	333	1' 6"	1' 6"	6'	3"	225	2' 1"	1' 5"	3.0'	5'	300	1' 3"	2' 10"
	8'	187	1' 11"	1' 11"	8'	4'	126	2' 6"	2"	4.0'	6'	177	1' 8"	3' 6"
	10'	120	2' 5"	2' 5"	10'	5'	80.9	3' 2"	2' 10"	5.0'	8'	114	2' 4"	4' 5"
	12'	83.2	2' 11"	2' 11"	12'	6'	56.2	3' 8"	3' 4"	6.0'	9'	78.8	2' 11"	5' 3"
MXG2RTR1L03024 3000K 24° Narrow Flood	6'	164	2' 5"	2' 5"	6'	3'	111	3'	2' 8"	3.0'	5'	149	2' 4"	3' 10"
	8'	92	3' 2"	3' 2"	8'	4'	62.5	3' 11"	3' 5"	4.0'	6'	88.6	2' 10"	4' 11"
	10'	58.9	4'	4'	10'	5'	40	4' 10"	4' 3"	5.0'	7'	55.5	3' 7"	6' 4"
	12'	40.9	4' 10"	4' 10"	12'	6'	27.8	5' 10"	5' 2"	6.0'	9'	39.4	4' 4"	7' 5"
MXG2RTR1L03036 3000K 36° Flood	6'	61.9	4'	4'	6'	2'	47.4	4' 5"	4' 1"	3.0'	4'	72	3' 2"	4' 7"
	8'	34.8	5' 4"	5' 4"	8'	3'	27.6	5' 8"	5' 4"	4.0'	5'	41.7	4' 2"	5' 11"
	10'	22.3	6' 8"	6' 8"	10'	4'	17.7	7' 1"	6' 8"	5.0'	6'	26.9	5' 2"	7' 4"
	12'	15.5	8'	8'	12'	5'	12.2	8' 6"	8'	6.0'	7"	18.6	6' 3"	8' 10"
MXG2RTR1L03050 3000K 50° Wide Flood	6'	29.1	5' 8"	5' 8"	6'	2'	23.3	5' 1"	5'	3.0'	3'	35.7	3' 9"	4' 10"
	8'	16.4	7' 7"	7' 7"	8'	3'	13.1	6' 9"	6' 8"	4.0'	4'	20.1	5' 1"	6' 5"
	10'	10.5	9' 6"	9' 6"	10'	3'	8.3	8' 7"	8' 5"	5.0'	5'	12.8	6' 4"	8'
	12'	7.3	11' 5"	11' 5"	12'	4'	5.8	10' 3"	10'	6.0'	7'	8.9	7' 7"	9' 7"

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXG2RTR1L130

Report #: ILL-02112016-08 (-12)
ILL-02112016-07 (-24)
ILL-02112016-06 (-36)
ILL-02182016-02 (-50)

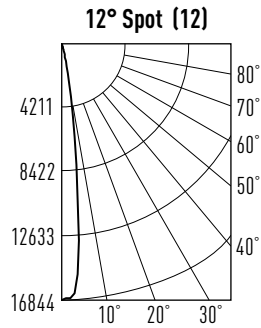
CCT / CRI Multipliers:

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

Emergency Multiplier:

7W Emergency (x 0.50)

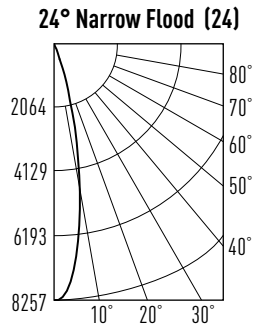
Photometric Data
shown is compiled per
head. For multi-light
photometrics consult
factory.



Watts: 15.5
Lumens: 1361
LPW: 88
CCT: 3000K

Candelas at Nadir

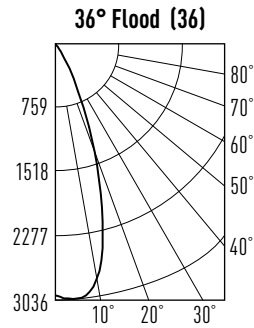
Degree	Candela
0°	16844
5°	13156
15°	906
25°	170
35°	65
45°	42



Watts: 15.5
Lumens: 1484
LPW: 96
CCT: 3000K

Candelas at Nadir

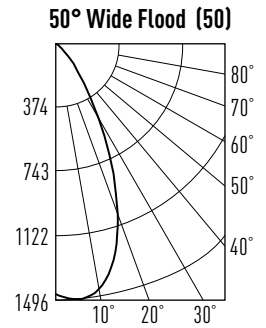
Degree	Candela
0°	8230
5°	7390
15°	2426
25°	273
35°	32
45°	8



Watts: 15.5
Lumens: 1377
LPW: 89
CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	3036
5°	2964
15°	2161
25°	765
35°	175
45°	36



Watts: 15.5
Lumens: 1204
LPW: 78
CCT: 3000K

Candelas at Nadir

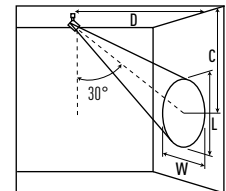
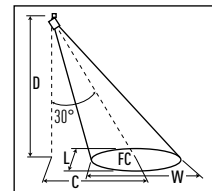
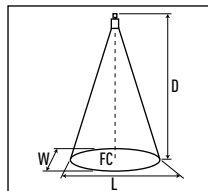
Degree	Candela
0°	1485
5°	1486
15°	1313
25°	765
35°	330
45°	118

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 Foot candles

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				30° HORIZONTAL					30° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2RTR1L13012 3000K 12° Spot	6'	468	1' 6"	1' 6"	6'	3'	319	2' 1"	1' 5"	3.0'	5'	422	1' 3"	2' 10"
	8'	263	2'	2'	8'	4'	179	2' 6"	2'	4.0'	6'	252	1' 8"	3' 6"
	10'	168	2' 5"	2' 5"	10'	5'	115	3' 2"	2' 10"	5.0'	8'	160	2' 4"	4' 5"
	12'	117	2' 11"	2' 11"	12'	6'	79.7	3' 9"	3' 4"	6.0'	9'	112	2' 11"	5' 3"
MXG2RTR1L13024 3000K 24° Narrow Flood	6'	229	2' 6"	2' 6"	6'	3'	157	3'	2' 8"	3.0'	4'	211	2' 4"	3' 11"
	8'	129	3' 4"	3' 4"	8'	4'	88.3	4'	3' 6"	4.0'	6'	125	2' 11"	5'
	10'	82.3	4' 1"	4' 1"	10'	5'	56.5	4' 11"	4' 5"	5.0'	7'	78.8	3' 8"	6' 4"
	12'	57.1	4' 11"	4' 11"	12'	6'	39.2	5' 11"	5' 3"	6.0'	9'	55.6	4' 5"	7' 6"
MXG2RTR1L13036 3000K 36° Flood	6'	84.3	4' 2"	4' 2"	6'	2'	62	4' 5"	4' 2"	3.0'	4'	93.1	3' 2"	4' 8"
	8'	47.4	5' 6"	5' 6"	8'	3'	35.8	5' 9"	5' 5"	4.0'	5'	54	4' 3"	6'
	10'	30.4	6' 11"	6' 11"	10'	4'	22.9	7' 2"	6' 9"	5.0'	6'	34.8	5' 3"	7' 5"
	12'	21.1	8' 4"	8' 4"	12'	5'	15.8	8' 8"	8' 2"	6.0'	7"	24.2	6' 4"	8' 11"
MXG2RTR1L13050 3000K 50° Wide Flood	6'	41.3	5' 7"	5' 7"	6'	2'	33.4	5' 1"	5'	3.0'	3'	51.6	3' 8"	4' 9"
	8'	23.2	7' 6"	7' 6"	8'	3'	18.4	6' 10"	6' 11"	4.0'	4'	29	5"	6' 4"
	10'	14.9	9' 4"	9' 4"	10'	3'	11.9	8' 6"	8' 5"	5.0'	5'	18.6	6' 4"	7' 10"
	12'	10.3	11' 2"	11' 2"	12'	4'	8.3	10' 2"	10' 1"	6.0'	6'	12.9	7' 7"	9' 5"

MXG2RTR1L230

Report #: ILL-02032016-05 (-12)
 ILL-02112016-02 (-24)
 ILL-02112016-03 (-36)
 ILL-02162016-04 (-50)

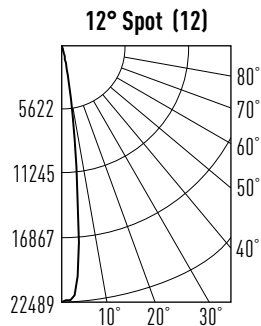
CCT / CRI Multipliers:

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

Emergency Multiplier:

7W Emergency (x 0.40)

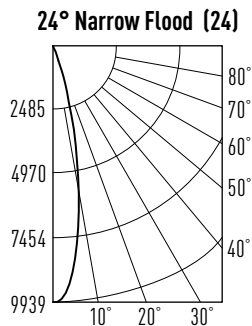
Photometric Data
 shown is compiled per
 head. For multi-light
 photometrics consult
 factory.



Watts: 20.4
 Lumens: 1820
 LPW: 89
 CCT: 3000K

Candelas at Nadir

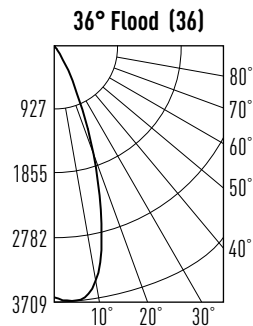
Degree	Candela
0°	22052
5°	18360
15°	868
25°	168
35°	68
45°	42



Watts: 20.6
 Lumens: 1801
 LPW: 87
 CCT: 3000K

Candelas at Nadir

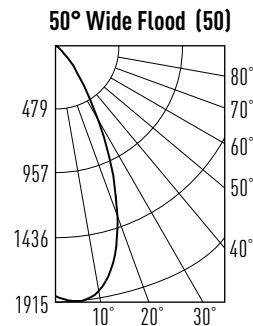
Degree	Candela
0°	9923
5°	8887
15°	2955
25°	322
35°	41
45°	10



Watts: 20.6
 Lumens: 1673
 LPW: 81
 CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	3699
5°	3654
15°	2669
25°	925
35°	193
45°	42



Watts: 20.3
 Lumens: 1539
 LPW: 76
 CCT: 3000K

Candelas at Nadir

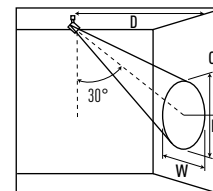
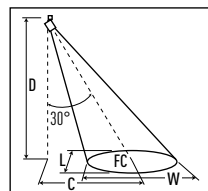
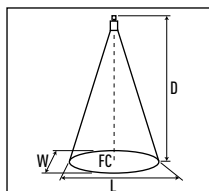
Degree	Candela
0°	1867
5°	1915
15°	1675
25°	987
35°	404
45°	149

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 Foot candles

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				30° HORIZONTAL					30° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2RTR1L23012 3000K 12° Spot	6'	613	1' 5"	1' 5"	6'	3'	427	2' 1"	1' 6"	3.0'	5'	564	1' 4"	3'
	8'	345	2'	2'	8'	4'	240	2' 7"	2' 3"	4.0'	6'	338	1' 11"	3' 8"
	10'	221	2' 6"	2' 6"	10'	5'	154	3' 5"	2' 11"	5.0'	8'	214	2' 6"	4' 8"
	12'	153	3' 1"	3' 1"	12'	6'	107	4'	3' 6"	6.0'	9'	150	3'	5' 7"
MXG2RTR1L23024 3000K 24° Narrow Flood	6'	276	2' 6"	2' 6"	6'	3'	188	3'	2' 9"	3.0'	4'	253	2' 5"	3' 11"
	8'	155	3' 4"	3' 4"	8'	4'	106	4'	3' 6"	4.0'	6'	150	2' 11"	5' 1"
	10'	99.2	4' 1"	4' 1"	10'	5'	67.8	4' 11"	4' 5"	5.0'	7'	94.8	3' 8"	6' 4"
	12'	68.9	4' 11"	4' 11"	12'	6'	47.1	6'	5' 3"	6.0'	9'	66.8	4' 5"	7' 6"
MXG2RTR1L23036 3000K 36° Flood	6'	103	4' 1"	4' 1"	6'	2'	77.5	4' 5"	4' 1"	3.0'	4'	116	3' 2"	4' 7"
	8'	57.8	5' 6"	5' 6"	8'	3'	44.6	5' 9"	5' 5"	4.0'	5'	67.3	4' 2"	5' 11"
	10'	37	6' 11"	6' 11"	10'	4'	28.5	7' 2"	6' 9"	5.0'	6'	43.5	5' 3"	7' 4"
	12'	25.7	8' 4"	8' 4"	12'	5'	19.6	8' 8"	8' 1"	6.0'	7'	30.2	6' 3"	8' 10"
MXG2RTR1L23050 3000K 50° Wide Flood	6'	51.9	5' 7"	5' 7"	6'	2'	43.1	5' 1"	5'	3.0'	3'	65.8	3' 8"	4' 10"
	8'	29.2	7' 5"	7' 5"	8'	3'	24	6' 10"	6' 8"	4.0'	4'	37	5' 1"	6' 5"
	10'	18.7	9' 4"	9' 4"	10'	4'	15.4	8' 6"	8' 4"	5.0'	5'	23.7	6' 4"	7' 11"
	12'	13	11' 2"	11' 2"	12'	4'	9.7	10' 1"	9' 11"	6.0'	7'	16.5	7' 7"	9' 6"