

MXG2

MX G2 Track Luminaire

ELECTRICAL DATA

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

* 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

- High performance 9° Narrow Spot
- Field changeable 12° Spot, 24° Narrow Flood, 36° Flood and 50° Wide Flood

ELECTRICAL SYSTEM

- 120V/277V 50/60Hz input
- Class 2 power supply
- Over voltage, over current and short circuit protection: Auto recovery
- 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

Must specify **-DIM** for Phase Dimming

- Forward/ Reverse phase dimming
- Phase dimming in 120V only
- Dimmable 100 - 1%

TRACK COMPATIBILITY

Track luminaire is designed for use with the following track systems:

- Single Circuit / Single Neutral 120V
- Two Circuit / Single Neutral 120V (No Dimming)
- Pro-Series Two Circuit / Two Neutral 120V
- Pro-Series Two Circuit / Two Neutral 277V
- J-Type Single / Two Circuit 120V
- L-Type Single / Two Circuit 120V

ACCESSORIES

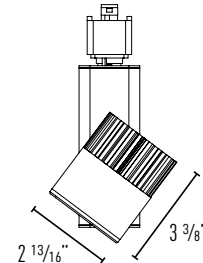
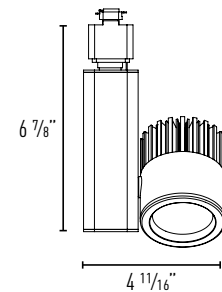
Luminaire will accommodate (2) accessories, accessory holder required.

LISTING/WARRANTY

- ETL Listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified ¹



MX



Horizontal Adjustability: 358°

Vertical Adjustability: 258°

Part Number: (Example: MXG2L230W-12)

Housing	Wattage	CCT / CRI	Driver	Finish	Beam Spread	Adapter	Options
MXG2	L0 (10 Watts)	27 (2700K / 82 CRI)	blank (Non-Dimming)	W (White)	-09° (9° Narrow Spot)	blank (Intense Single / Two Circuit 120V)	-S ⁴ (Integral 1" Snoot)
	L1 (16 Watts)	279 (2700K / 92 CRI)	-DIM ² (Phase Dimming)	B (Black)	-12 (12° Spot)		
	L2 (20 Watts)	30 (3000K / 82 CRI)			-24 (24° Narrow Flood)	-PS (Pro-Series 120V)	
		309 (3000K / 92 CRI)			-36 (36° Flood)	-PS-27 (Pro-Series 277V)	
		35 (3500K / 82 CRI)			-50 (50° Wide Flood)	-J (J-Type Adapter 120V)	
		359 (3500K / 92 CRI)				-L (L-Type Adapter 120V)	
		41 (4100K / 82 CRI)					
		419 (4100K / 92 CRI)					

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)

Notes:

1. ENERGY STAR® Qualified (L0 **Excludes:** 2700K in 92CRI and 9° NSP optic. L1 & L2 **Excludes:** 92CRI & 9°NSP optic)
2. Dimming available in 120V only
3. 9° Narrow spot not available in L2. Available in 279 only.
4. Snoot is integral to fixture and factory installed. Snoot's interior is black and compatible with accessory holder, black accessory holder recommended.

SPECIFICATION SHEET L/M-0530-25 P-1

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 714 630-9877.

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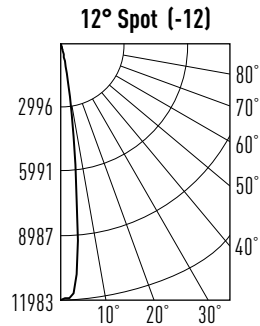
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXG2L030

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ILL-02112016-10 (-24)
ILL-02112016-11 (-36)
ILL-02182016-01 (-50)

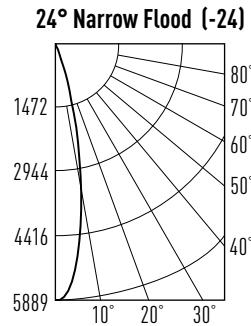
CCT / CRI Multipliers:

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)



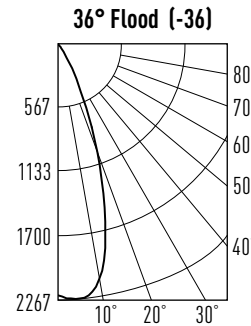
Watts: 10
Lumens: 962
LPW: 96
CCT: 3000K

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



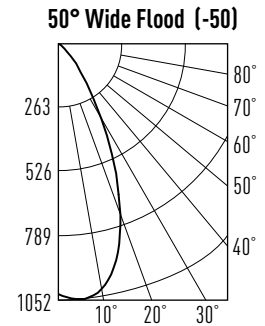
Watts: 10
Lumens: 1023
LPW: 102
CCT: 3000K

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

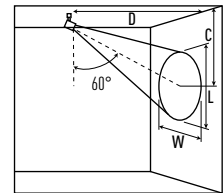
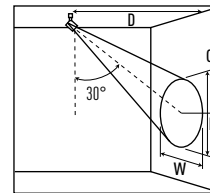
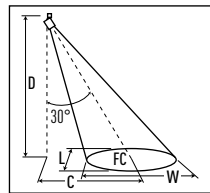
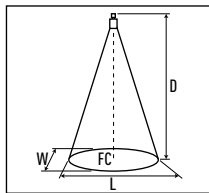
Candelas at Nadir	
Degree	Candela
0°	1047
5°	1034
15°	908
25°	544
35°	233
45°	82

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					60° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2L030-12 3000K 12° Spot	6'	333	1' 6"	1' 6"	6'	3"	225	2' 1"	1' 5"	3.0'	5'	300	1' 3"	2' 10"	3.0'	2'	473	1'	1' 1"
	8'	187	1' 11"	1' 11"	8'	4'	126	2' 6"	2"	4.0'	6'	177	1' 8"	3' 6"	4.0'	2'	253	1' 1"	1' 8"
	10'	120	2' 5"	2' 5"	10'	5'	80.9	3' 2"	2' 10"	5.0'	8'	114	2' 4"	4' 5"	5.0'	3'	180	1' 3"	1' 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"	6.0'	4'	118	1' 6"	2' 2"
MXG2L030-24 3000K 24° Narrow Flood	6'	164	2' 5"	2' 5"	6'	3'	111	3'	2' 8"	3.0'	5'	149	2' 4"	3' 10"	3.0'	2'	236	1' 3"	1' 6"
	8'	92	3' 2"	3' 2"	8'	4'	62.5	3' 11"	3' 5"	4.0'	6'	88.6	2' 10"	4' 11"	4.0'	2'	125	1' 8"	2' 3"
	10'	58.9	4'	4'	10'	5'	40	4' 10"	4' 3"	5.0'	7'	55.5	3' 7"	6' 4"	5.0'	3'	89.1	2' 4"	2' 7"
	12'	40.9	4' 10"	4' 10"	12'	6'	27.8	5' 10"	5' 2"	6.0'	9'	39.4	4' 4"	7' 5"	6.0'	4'	59.1	2' 10"	3' 2"
MXG2L030-36 3000K 36° Flood	6'	61.9	4'	4'	6'	2'	47.4	4' 5"	4' 1"	3.0'	4'	72	3' 2"	4' 7"	3.0'	2'	96.6	2' 5"	2' 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"	4.0'	3'	54	3' 1"	3' 3"
	10'	22.3	6' 8"	6' 8"	10'	4'	17.7	7' 1"	6' 8"	5.0'	6'	26.9	5' 2"	7' 4"	5.0'	3'	33.9	3' 9"	4' 2"
	12'	15.5	8'	8'	12'	5'	12.2	8' 6"	8'	6.0'	7"	18.6	6' 3"	8' 10"	6.0'	4'	24.1	4' 7"	5'
MXG2L030-50 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"	3.0'	2'	44.8	2' 11"	3' 1"
	8'	16.4	7' 7"	7' 7"	8'	3'	13.1	6' 9"	6' 8"	4.0'	4'	20.1	5' 1"	6' 5"	4.0'	3'	24.9	3' 11"	4' 1"
	10'	10.5	9' 6"	9' 6"	10'	3'	8.3	8' 7"	8' 5"	5.0'	5'	12.8	6' 4"	8'	5.0'	3'	15.7	5'	5' 2"
	12'	7.3	11' 5"	11' 5"	12'	4'	5.8	10' 3"	10'	6.0'	7'	8.9	7' 7"	9' 7"	6.0'	4'	11.2	5' 9"	6' 1"

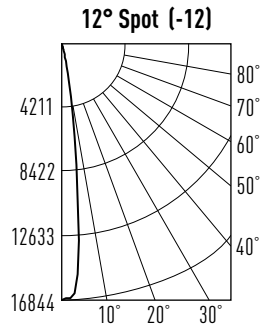
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXG2L130

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

CCT / CRI Multipliers:

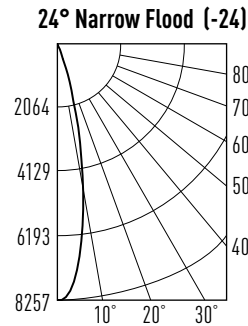
2700K / 82 CRI (x 0.93)
2700K / 92 CRI (x 0.76)
3000K / 82 CRI (x 1.00)
3000K / 92 CRI (x 0.87)
3500K / 82 CRI (x 1.00)
3500K / 92 CRI (x 0.87)
4100K / 82 CRI (x 1.00)
4100K / 92 CRI (x 0.87)



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

Candelas at Nadir

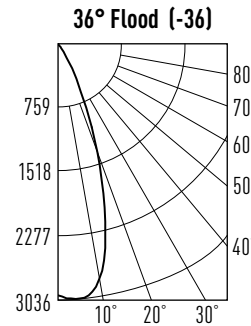
Degree	Candela
0°	16844
5°	13156
15°	906
25°	170
35°	65
45°	42



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

Candelas at Nadir

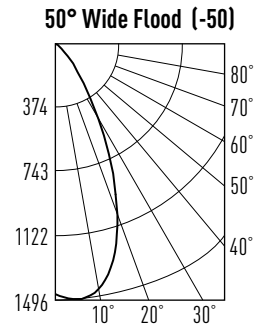
Degree	Candela
0°	8230
5°	7390
15°	2426
25°	273
35°	32
45°	8



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

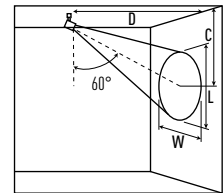
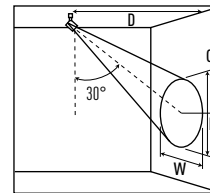
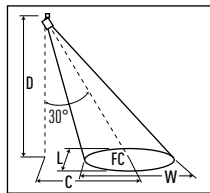
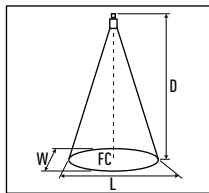
Degree	Candela
0°	1485
5°	1486
15°	1313
25°	765
35°	330
45°	118

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.



FC Foot candles	0° HORIZONTAL				30° HORIZONTAL				30° VERTICAL					60° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2L130-12 3000K 12° Spot	6'	468	1' 6"	1' 6"	6'	3'	319	2' 1"	1' 5"	3.0'	5'	422	1' 3"	2' 10"	3.0'	2'	672	1' 1"	1' 1"
	8'	263	2'	2'	8'	4'	179	2' 6"	2'	4.0'	6'	252	1' 8"	3' 6"	4.0'	2'	359	1' 1"	1' 8"
	10'	168	2' 5"	2' 5"	10'	5'	115	3' 2"	2' 10"	5.0'	8'	160	2' 4"	4' 5"	5.0'	3'	253	1' 3"	1' 5"
	12'	117	2' 11"	2' 11"	12'	6'	79.7	3' 9"	3' 4"	6.0'	9'	112	2' 11"	5' 3"	6.0'	4'	168	1' 6"	2' 2"
MXG2L130-24 3000K 24° Narrow Flood	6'	229	2' 6"	2' 6"	6'	3'	157	3'	2' 8"	3.0'	4'	211	2' 4"	3' 11"	3.0'	2'	334	1' 4"	1' 6"
	8'	129	3' 4"	3' 4"	8'	4'	88.3	4'	3' 6"	4.0'	6'	125	2' 11"	5'	4.0'	2'	177	1' 8"	2' 3"
	10'	82.3	4' 1"	4' 1"	10'	5'	56.5	4' 11"	4' 5"	5.0'	7'	78.8	3' 8"	6' 4"	5.0'	3'	125	2' 5"	2' 8"
	12'	57.1	4' 11"	4' 11"	12'	6'	39.2	5' 11"	5' 3"	6.0'	9'	55.6	4' 5"	7' 6"	6.0'	4'	83.5	2' 11"	3' 2"
MXG2L130-36 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"	3.0'	2'	128	2' 5"	2' 7"
	8'	47.4	5' 6"	5' 6"	8'	3'	35.8	5' 9"	5' 5"	4.0'	5'	54	4' 3"	6'	4.0'	3'	69.8	3' 1"	3' 4"
	10'	30.4	6' 11"	6' 11"	10'	4'	22.9	7' 2"	6' 9"	5.0'	6'	34.8	5' 3"	7' 5"	5.0'	3'	45.9	3' 8"	4' 1"
	12'	21.1	8' 4"	8' 4"	12'	5'	15.8	8' 8"	8' 2"	6.0'	7"	24.2	6' 4"	8' 11"	6.0'	4'	32	4' 7"	5'
MXG2L130-50 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"	3.0'	2'	63.8	3'	3' 1"
	8'	23.2	7' 6"	7' 6"	8'	3'	18.4	6' 10"	6' 11"	4.0'	4'	29	5"	6' 4"	4.0'	3'	35.1	3' 11"	4' 2"
	10'	14.9	9' 4"	9' 4"	10'	3'	11.9	8' 6"	8' 5"	5.0'	5'	18.6	6' 4"	7' 10"	5.0'	3'	22.5	5'	5' 2"
	12'	10.3	11' 2"	11' 2"	12'	4'	8.3	10' 2"	10' 1"	6.0'	6'	12.9	7' 7"	9' 5"	6.0'	4'	15.9	5' 9"	6' 2"

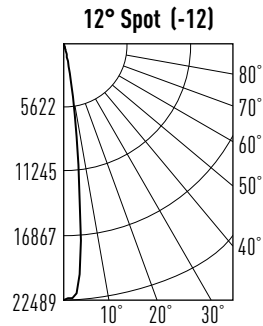
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXG2L230

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

CCT / CRI Multipliers:

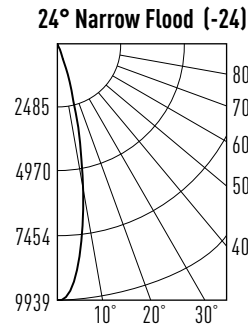
2700K / 82 CRI (x 0.93)
2700K / 92 CRI (x 0.76)
3000K / 82 CRI (x 1.00)
3000K / 92 CRI (x 0.87)
3500K / 82 CRI (x 1.00)
3500K / 92 CRI (x 0.87)
4100K / 82 CRI (x 1.00)
4100K / 92 CRI (x 0.87)



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

Candelas at Nadir

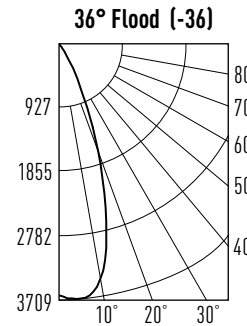
Degree	Candela
0°	22052
5°	18360
15°	868
25°	168
35°	68
45°	42



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

Candelas at Nadir

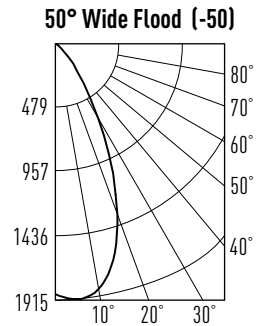
Degree	Candela
0°	9923
5°	8887
15°	2955
25°	322
35°	41
45°	10



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

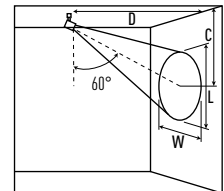
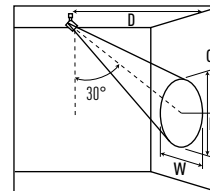
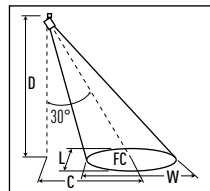
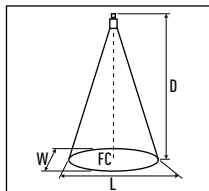
Degree	Candela
0°	1867
5°	1915
15°	1675
25°	987
35°	404
45°	149

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.



Distance FC Foot candles	0° HORIZONTAL				30° HORIZONTAL					30° VERTICAL					60° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
MXG2L230-12 3000K 12° Spot	6'	613	1' 5"	1' 5"	6'	3'	427	2' 1"	1' 6"	3.0'	5'	564	1' 4"	3'	3.0'	2'	900	1'	1' 1"
	8'	345	2'	2'	8'	4'	240	2' 7"	2' 3"	4.0'	6'	338	1' 11"	3' 8"	4.0'	2'	480	1' 1"	1' 9"
	10'	221	2' 6"	2' 6"	10'	5'	154	3' 5"	2' 11"	5.0'	8'	214	2' 6"	4' 8"	5.0'	3'	338	1' 4"	1' 7"
	12'	153	3' 1"	3' 1"	12'	6'	107	4'	3' 6"	6.0'	9'	150	3'	5' 7"	6.0'	4'	225	1' 7"	2' 3"
MXG2L230-24 3000K 24° Narrow Flood	6'	276	2' 6"	2' 6"	6'	3'	188	3'	2' 9"	3.0'	4'	253	2' 5"	3' 11"	3.0'	2'	401	1' 4"	1' 6"
	8'	155	3' 4"	3' 4"	8'	4'	106	4'	3' 6"	4.0'	6'	150	2' 11"	5' 1"	4.0'	2'	212	1' 8"	2' 3"
	10'	99.2	4' 1"	4' 1"	10'	5'	67.8	4' 11"	4' 5"	5.0'	7'	94.8	3' 8"	6' 4"	5.0'	3'	150	2' 5"	2' 8"
	12'	68.9	4' 11"	4' 11"	12'	6'	47.1	6'	5' 3"	6.0'	9'	66.8	4' 5"	7' 6"	6.0'	4'	100	2' 11"	3' 3"
MXG2L230-36 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"	3.0'	2'	157	2' 5"	2' 8"
	8'	57.8	5' 6"	5' 6"	8'	3'	44.6	5' 9"	5' 5"	4.0'	5'	67.3	4' 2"	5' 11"	4.0'	3'	86.7	3' 1"	3' 4"
	10'	37	6' 11"	6' 11"	10'	4'	28.5	7' 2"	6' 9"	5.0'	6'	43.5	5' 3"	7' 4"	5.0'	3'	56.1	3' 8"	4' 2"
	12'	25.7	8' 4"	8' 4"	12'	5'	19.6	8' 8"	8' 1"	6.0'	7'	30.2	6' 3"	8' 10"	6.0'	4'	39.3	4' 7"	5'
MXG2L230-50 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"	3.0'	2'	81.5	3'	3' 2"
	8'	29.2	7' 5"	7' 5"	8'	3'	24	6' 10"	6' 8"	4.0'	4'	37	5' 1"	6' 5"	4.0'	3'	45.8	3' 11"	4' 2"
	10'	18.7	9' 4"	9' 4"	10'	4'	15.4	8' 6"	8' 4"	5.0'	5'	23.7	6' 4"	7' 11"	5.0'	4'	28.8	5'	5' 2"
	12'	13	11' 2"	11' 2"	12'	4'	9.7	10' 1"	9' 11"	6.0'	7'	16.5	7' 7"	9' 6"	6.0'	4'	20.4	5' 10"	6' 2"