

MXRG2ASTR

3.5" MX G2 LED Square 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	700lm	70
L1	16W	3000K / 82 CRI	1000lm	63
L2	20W	3000K / 82 CRI	1150lm	58
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 21,700 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.

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.

TRIM SPECIFICATION

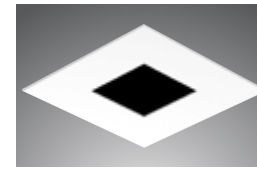
Aiming with locking 35° vertical and 90° turns (90, 180, 270 and 360). High quality trims are die-cast using A380 aluminum and finished with durable powder coat available in multiple finishes, black interior standard. Trims available in 1" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

ACCESSORIES

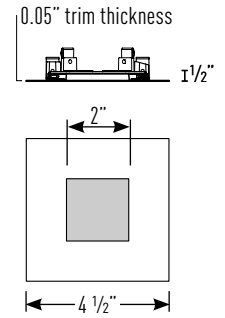
Luminaire will accommodate (2) accessories, accessory holder required, see page 2.

LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- ENERGY STAR® Qualified ¹
- Can be used to comply with 2016 Title 24, Part 6, JA8 high efficacy LED light source requirements ²



MXTG2-SFRR306
(1/2" Flat Mount)



Housing dimensions are on Page 2

Available Trim Finishes



Housing Part Number (Example: MXRG2ASTR-NCL1)

Housing	Installation Type	Wattage	Dimming	Voltage
MXRG2ASTR	-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-SFRR306WL13024)

Trim	Finish	Wattage	CCT / CRI	Optic
MXTG2-SFRR306 (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)
	B (Black)	L2 (20W)	30 (3000K / 82 CRI)	24 (24° Narrow Flood)
		L3 (26W)	309 (3000K / 92 CRI)	36 (36° Flood)
	AB (Antique Bronze)		35 (3500K / 82 CRI)	50 (50° Wide Flood)
			359 (3500K / 92 CRI)	
			41 (4100K / 82 CRI)	
			419 (4100K / 92 CRI)	

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

MX AD JUSTABLE REMODEL LM-109-23 P-37

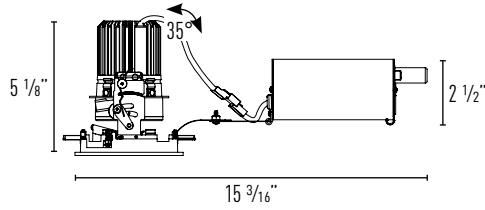
INTENSE LIGHTING | 725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877 | fax 847 559-5505
For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 800 961-5321.
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MXRG2ASTR

3.5" MX G2 LED Square Pinhole with Remodel Housing

DRIVER: Non-Dimming / DELV / D10



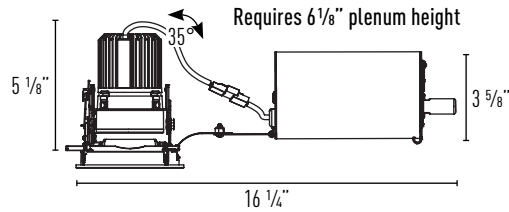
Ceiling Cut Out: 4 1/8"
 Minimum Ceiling Thickness: 5/16"
 Maximum Ceiling Thickness: 3/4"

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

Fixture Aiming - Horizontal Adjustment

1" Regress Trims	90° turns	90° turns	Full 360°
1/2" Regress Trims	Full 360°	Full 360°	Full 360°

DRIVER: eldoLED / Lutron / DMX



Ceiling Cut Out: 4 1/8"
 Minimum Ceiling Thickness: 5/16"
 Maximum Ceiling Thickness: 3/4"

Fixture Aiming - Horizontal Adjustment

1" Regress Trims	90° turns	90° turns	Full 360°
1/2" Regress Trims	Full 360°	Full 360°	Full 360°

ACCESSORIES

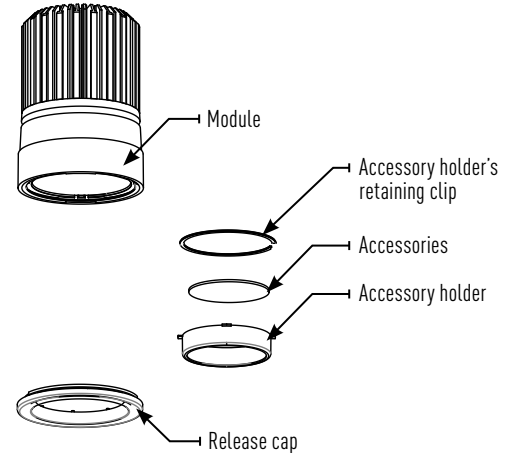
Luminaire will accommodate (2) accessories, accessory holder required.

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)

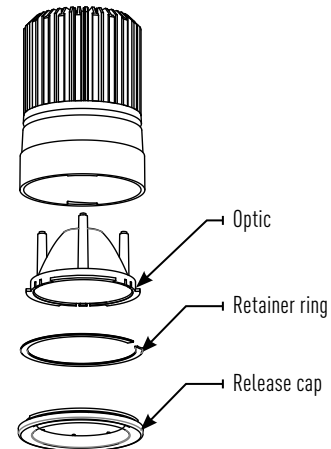


OPTICS REPLACEMENT

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-38

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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

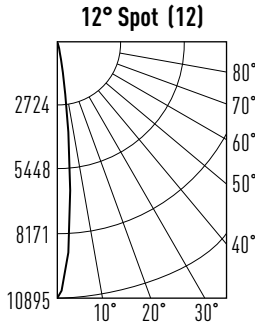
MXTG2-STRA306WLO

Report #: ILL-02122016-11.3 (12)
 ILL-02122016-10.3 (24)
 ILL-02162016-02.3 (36)
 ILL-02122016-06.3 (50)

TRIM MULTIPLIER:
 MXTG2-SFRR306 (x 0.98)

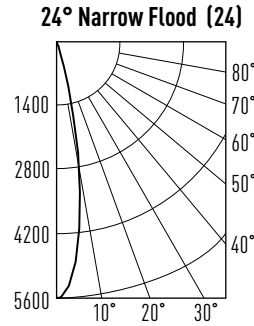
CCT MULTIPLIERS:

	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)



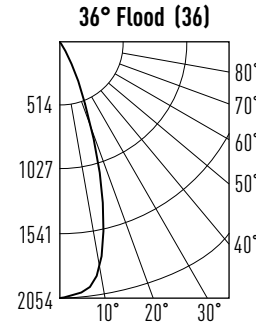
Watts: 10
 Lumens: 582
 LPW: 58
 CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	10895
5°	6333
15°	468
25°	43
35°	9
45°	2



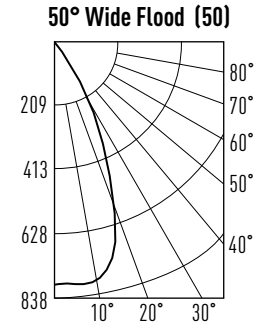
Watts: 10
 Lumens: 715
 LPW: 72
 CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	5600
5°	4829
15°	1002
25°	48
35°	4
45°	1



Watts: 10
 Lumens: 689
 LPW: 69
 CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	2054
5°	2020
15°	1333
25°	380
35°	55
45°	1



Watts: 10
 Lumens: 577
 LPW: 58
 CCT: 3000K

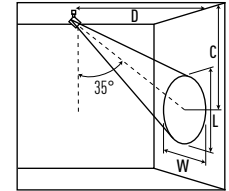
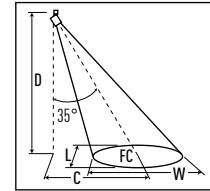
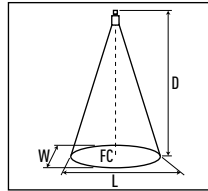
Candelas at Nadir	
Degree	Candela
0°	785
5°	785
15°	724
25°	383
35°	102
45°	4

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-STRA306WLO 3000K 12° Spot	6'	303	1.4	1.1	6'	4	172	1.93	1.28	3'	4	316	1.06	2.13
	8'	170	1.8	1.4	8'	5	97.1	1.59	2.61	4'	6	172	1.28	2.94
	10'	109	2.3	1.8	10'	7	59.9	3.37	2.19	5'	7	118	1.48	3.42
	12'	75.7	2.8	2.1	12'	8	43	3.87	2.62	6'	8	79.1	1.84	4.19
MXTG2-STRA306WLO 3000K 24° Narrow Flood	6'	156	2.2	1.9	6'	4	87.9	3.07	2.34	3'	4	175	1.49	2.95
	8'	87.5	2.9	2.6	8'	5	50.1	4.01	2.99	4'	5	98.4	2.08	3.88
	10'	56	3.7	3.2	10'	6	31.6	5.04	3.76	5'	7	61.5	2.76	4.9
	12'	38.9	4.4	3.9	12'	8	22	6.05	4.57	6'	8	43.8	3.17	5.73
MXTG2-STRA306WLO 3000K 36° Flood	6'	57.1	3.9	3.2	6'	3	38	4.44	3.13	3'	3	71.7	2.33	4
	8'	32.1	5.2	4.2	8'	4	21.4	5.89	4.27	4'	4	40.4	3.04	5.44
	10'	20.5	6.5	5.3	10'	5	13.7	7.38	5.35	5'	5	25.8	3.77	6.77
	12'	14.3	7.8	6.3	12'	6	9.5	8.81	6.45	6'	7	17.9	4.57	8.09
MXTG2-STRA306WLO 3000K 50° Wide Flood	6'	21.8	5.6	5.1	6'	2	18.7	4.6	4.89	3'	3	30.7	3.6	4.69
	8'	12.3	7.4	6.9	8'	3	10.5	6.13	6.49	4'	4	17.3	4.88	6.2
	10'	7.9	9.3	8.6	10'	4	6.6	7.76	8.11	5'	5	11	6.16	7.74
	12'	5.5	11.2	10.3	12'	4	4.7	9.27	9.67	6'	6	7.7	7.35	9.32

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

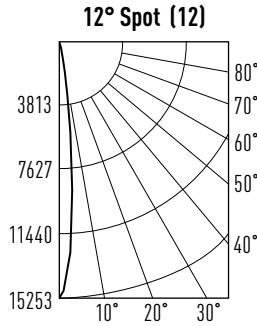
MXTG2-STRA306WL1

Report #:
 ILL-02122016-11.2 (12)
 ILL-02122016-10.2 (24)
 ILL-02162016-02.2 (36)
 ILL-02122016-06.2 (50)

TRIM MULTIPLIER:
 MXTG2-SFRR306 (x 0.98)

CCT MULTIPLIERS:

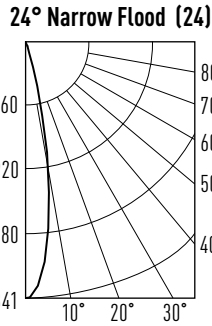
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



Watts: 15.4
 Lumens: 814
 LPW: 53
 CCT: 3000K

Candelas at Nadir

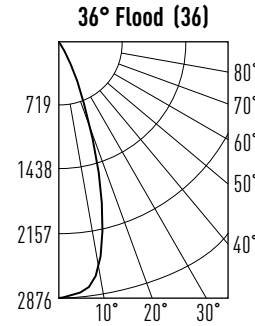
Degree	Candela
0°	15253
5°	8866
15°	655
25°	60
35°	13
45°	2



Watts: 15.4
 Lumens: 1001
 LPW: 65
 CCT: 3000K

Candelas at Nadir

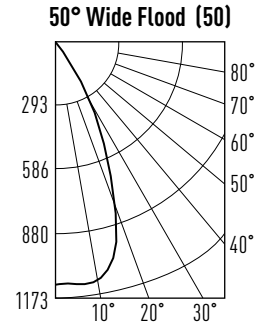
Degree	Candela
0°	7841
5°	6760
15°	1402
25°	67
35°	6
45°	1



Watts: 15.4
 Lumens: 964
 LPW: 63
 CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	2876
5°	2828
15°	1867
25°	532
35°	77
45°	1



Watts: 15.4
 Lumens: 808
 LPW: 52
 CCT: 3000K

Candelas at Nadir

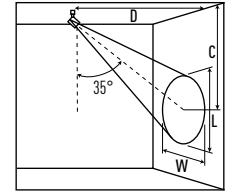
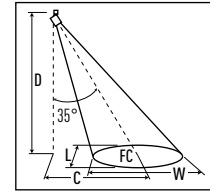
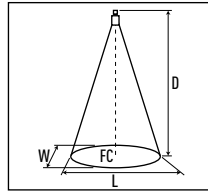
Degree	Candela
0°	1099
5°	1099
15°	1013
25°	536
35°	143
45°	5

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-STRA306WL1 3000K 12° Spot	6'	424	1.4	1.1	6'	4	241	1.93	1.28	3'	4	443	1.06	2.13
	8'	238	1.8	1.4	8'	5	136	1.59	2.61	4'	6	241	1.28	2.94
	10'	153	2.3	1.8	10'	7	83.9	3.37	2.19	5'	7	165	1.48	3.42
	12'	106	2.8	2.1	12'	8	60.2	3.87	2.62	6'	8	111	1.84	4.19
MXTG2-STRA306WL1 3000K 24° Narrow Flood	6'	218	2.2	1.9	6'	4	123	3.07	2.34	3'	4	246	1.49	2.95
	8'	123	2.9	2.6	8'	5	70.2	4.01	2.99	4'	5	138	2.08	3.88
	10'	78.4	3.7	3.2	10'	6	44.2	5.04	3.76	5'	7	86.1	2.76	4.9
	12'	54.4	4.4	3.9	12'	8	30.8	6.05	4.57	6'	8	61.4	3.17	5.73
MXTG2-STRA306WL1 3000K 36° Flood	6'	79.9	3.9	3.2	6'	3	53.1	4.44	3.13	3'	3	100	2.33	4
	8'	44.9	5.2	4.2	8'	4	29.9	5.89	4.27	4'	4	56.5	3.04	5.44
	10'	28.8	6.5	5.3	10'	5	19.1	7.38	5.35	5'	5	36.2	3.77	6.77
	12'	20	7.8	6.3	12'	6	13.3	8.81	6.45	6'	7	25.1	4.57	8.09
MXTG2-STRA306WL1 3000K 50° Wide Flood	6'	30.5	5.6	5.1	6'	2	26.2	4.6	4.89	3'	3	42.9	3.6	4.69
	8'	17.2	7.4	6.9	8'	3	14.7	6.13	6.49	4'	4	24.2	4.88	6.2
	10'	11	9.3	8.6	10'	4	9.3	7.76	8.11	5'	5	15.5	6.16	7.74
	12'	7.6	11.2	10.3	12'	4	6.5	9.27	9.67	6'	6	10.7	7.35	9.32

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

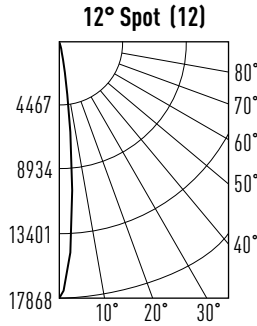
MXTG2-STRA306WL2

Report #:
 ILL-02122016-11.1 (12)
 ILL-02122016-10.1 (24)
 ILL-02162016-02.1 (36)
 ILL-02122016-06.1 (50)

TRIM MULTIPLIER:
 MXTG2-SFRR306 (x 0.98)

CCT MULTIPLIERS:

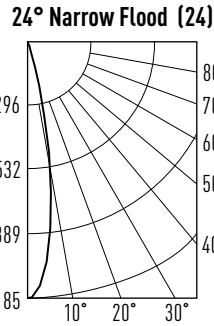
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



Watts: 20.5
 Lumens: 954
 LPW: 47
 CCT: 3000K

Candelas at Nadir

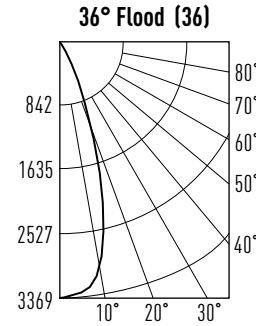
Degree	Candela
0°	17868
5°	10385
15°	768
25°	70
35°	15
45°	3



Watts: 20.4
 Lumens: 1173
 LPW: 57
 CCT: 3000K

Candelas at Nadir

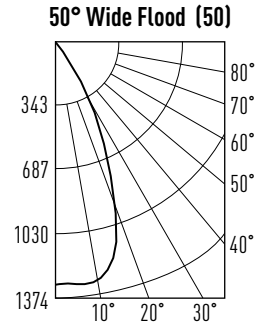
Degree	Candela
0°	9185
5°	7919
15°	1642
25°	79
35°	7
45°	1



Watts: 20.5
 Lumens: 1129
 LPW: 55
 CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	3369
5°	3313
15°	2187
25°	623
35°	90
45°	1



Watts: 20.5
 Lumens: 946
 LPW: 46
 CCT: 3000K

Candelas at Nadir

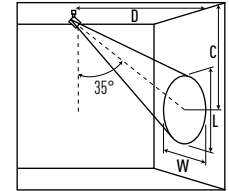
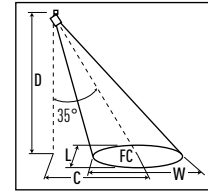
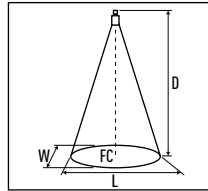
Degree	Candela
0°	1287
5°	1287
15°	1187
25°	628
35°	168
45°	6

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-STRA306WL2 3000K 12° Spot	6'	496	1.4	1.1	6'	4	282	1.93	1.28	3'	4	519	1.06	2.13
	8'	279	1.8	1.4	8'	5	159	1.59	2.61	4'	6	282	1.28	2.94
	10'	179	2.3	1.8	10'	7	98.2	3.37	2.19	5'	7	193	1.48	3.42
	12'	124	2.8	2.1	12'	8	70.5	3.87	2.62	6'	8	130	1.84	4.19
MXTG2-STRA306WL2 3000K 24° Narrow Flood	6'	255	2.2	1.9	6'	4	144	3.07	2.34	3'	4	288	1.49	2.95
	8'	144	2.9	2.6	8'	5	82.2	4.01	2.99	4'	5	162	2.08	3.88
	10'	91.8	3.7	3.2	10'	6	51.8	5.04	3.76	5'	7	101	2.76	4.9
	12'	63.8	4.4	3.9	12'	8	36	6.05	4.57	6'	8	71.9	3.17	5.73
MXTG2-STRA306WL2 3000K 36° Flood	6'	93.6	3.9	3.2	6'	3	62.3	4.44	3.13	3'	3	118	2.33	4
	8'	52.6	5.2	4.2	8'	4	35	5.89	4.27	4'	4	66.2	3.04	5.44
	10'	33.7	6.5	5.3	10'	5	22.4	7.38	5.35	5'	5	42.4	3.77	6.77
	12'	23.4	7.8	6.3	12'	6	15.6	8.81	6.45	6'	7	29.4	4.57	8.09
MXTG2-STRA306WL2 3000K 50° Wide Flood	6'	35.8	5.6	5.1	6'	2	30.6	4.6	4.89	3'	3	50.3	3.6	4.69
	8'	20.1	7.4	6.9	8'	3	17.2	6.13	6.49	4'	4	28.3	4.88	6.2
	10'	12.9	9.3	8.6	10'	4	10.9	7.76	8.11	5'	5	18.1	6.16	7.74
	12'	8.9	11.2	10.3	12'	4	7.7	9.27	9.67	6'	6	12.6	7.35	9.32

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

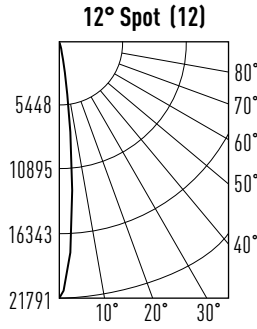
MXTG2-STRA306WL3

Report #: ILL-02122016-11 (12)
 ILL-02122016-10 (24)
 ILL-02162016-02 (36)
 ILL-02122016-06 (50)

TRIM MULTIPLIER:
 MXTG2-SFRR306 (x 0.98)

CCT MULTIPLIERS:

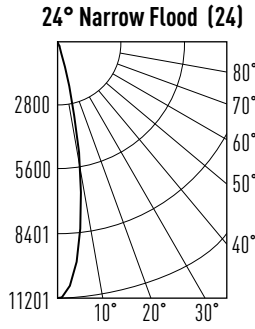
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)



Watts: 25.7
 Lumens: 1295
 LPW: 50
 CCT: 3000K

Candelas at Nadir

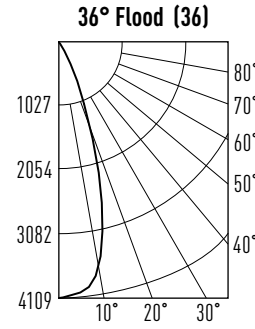
Degree	Candela
0°	21791
5°	12665
15°	936
25°	86
35°	19
45°	3



Watts: 25.7
 Lumens: 1481
 LPW: 58
 CCT: 3000K

Candelas at Nadir

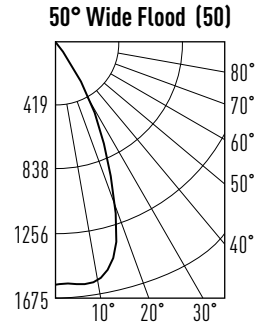
Degree	Candela
0°	11201
5°	9657
15°	2003
25°	96
35°	9
45°	1



Watts: 26
 Lumens: 1377
 LPW: 53
 CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	4109
5°	4040
15°	2667
25°	760
35°	109
45°	2



Watts: 26.1
 Lumens: 1154
 LPW: 44
 CCT: 3000K

Candelas at Nadir

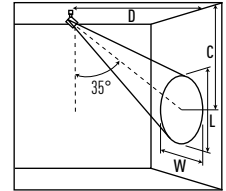
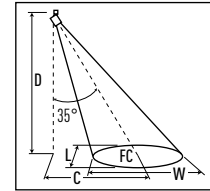
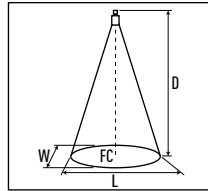
Degree	Candela
0°	1570
5°	1570
15°	1447
25°	765
35°	205
45°	7

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-STRA306WL3 3000K 12° Spot	6'	605	1.4	1.1	6'	4	344	1.93	1.28	3'	4	633	1.06	2.13
	8'	340	1.8	1.4	8'	5	194	1.59	2.61	4'	6	344	1.28	2.94
	10'	218	2.3	1.8	10'	7	120	3.37	2.19	5'	7	236	1.48	3.42
	12'	151	2.8	2.1	12'	8	86	3.87	2.62	6'	8	158	1.84	4.19
MXTG2-STRA306WL3 3000K 24° Narrow Flood	6'	311	2.2	1.9	6'	4	176	3.07	2.34	3'	4	351	1.49	2.95
	8'	175	2.9	2.6	8'	5	100	4.01	2.99	4'	5	197	2.08	3.88
	10'	112	3.7	3.2	10'	6	63.2	5.04	3.76	5'	7	123	2.76	4.9
	12'	77.8	4.4	3.9	12'	8	44	6.05	4.57	6'	8	87.7	3.17	5.73
MXTG2-STRA306WL3 3000K 36° Flood	6'	114	3.9	3.2	6'	3	75.9	4.44	3.13	3'	3	144	2.33	4
	8'	64.2	5.2	4.2	8'	4	42.7	5.89	4.27	4'	4	80.7	3.04	5.44
	10'	41.1	6.5	5.3	10'	5	27.3	7.38	5.35	5'	5	51.7	3.77	6.77
	12'	28.5	7.8	6.3	12'	6	19	8.81	6.45	6'	7	35.9	4.57	8.09
MXTG2-STRA306WL3 3000K 50° Wide Flood	6'	43.6	5.6	5.1	6'	2	37.4	4.6	4.89	3'	3	61.3	3.6	4.69
	8'	24.5	7.4	6.9	8'	3	21	6.13	6.49	4'	4	34.5	4.88	6.2
	10'	15.7	9.3	8.6	10'	4	13.3	7.76	8.11	5'	5	22.1	6.16	7.74
	12'	10.9	11.2	10.3	12'	4	9.3	9.27	9.67	6'	6	15.3	7.35	9.32