

MXRG2ARTR

3.5" MX G2 LED Lensed Adjustable with Remodel Housing - Wet Location

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	950lm	59
L2	20W	3000K / 82 CRI	1150lm	57
L3	26W	3000K / 82 CRI	1350lm	52

*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 18,000 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

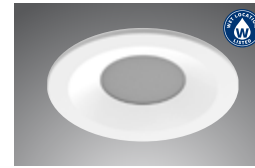
Aiming with locking 35° vertical and 360° horizontal adjustment. High quality trims are die-cast using A380 aluminum with durable powder coat available in multiple finishes. Architectural, discrete self flange or painted white flange options available. Trim is available with solite, clear tempered or frosted lens, must specify.

INSTALLATION

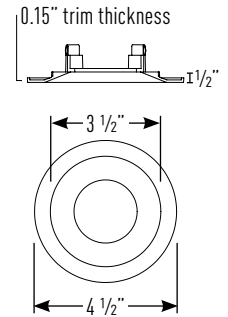
Housing installs from below the ceiling. Swing out lugs allow for installation in ceilings between 5/16" and 3/4". Max. ambient temperature: 95°F (35°C). Housing is Non-IC rated, must be kept at a minimum of 3" away from insulation.

LISTING / WARRANTY

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

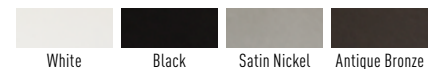


MXTG2-RTRR302
(1/2" Regress with Lens)



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) L1 (16W) L2 (20W) L3 (26W)	blank (Non-Dimming) DELV ³ (Phase Dimming) D101 (0-10V Dimming 1%) 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%)	blank (Non-IC: 120V -IC/-CP: 120V/277V) 27 (277V Non-IC Only, for -IC/-CP housing options use blank)

Trim Part Number (Example: MXTG2-RTRR302W-SFL13024-SL)

Trim	Finish	Wattage	CCT / CRI	Optic	Lens
MXTG2-RTRR302 (1/2" Regress)	W-SF (White / Self Flanged) B-SF (Black / Self Flanged) SN-SF (Satin Nickel / Self Flanged) SN-SFW ⁷ (Satin Nickel / Self Flanged White) AB-SF (Antique Bronze / Self Flanged) AB-SFW ⁷ (Antique Bronze / Self Flanged White)	L0 (10W) L1 (16W) L2 (20W) L3 (26W)	27 (2700K / 82 CRI) 279 (2700K / 92 CRI) 30 (3000K / 82 CRI) 309 (3000K / 92 CRI) 35 (3500K / 82 CRI) 359 (3500K / 92 CRI) 41 (4100K / 82 CRI) 419 (4100K / 92 CRI)	09 ⁸ (9° Narrow Spot) 12 (12° Spot) 24 (24° Narrow Flood) 36 (36° Flood) 50 (50° Wide Flood)	-SL (Solite) -CR (Clear Tempered) -FR (Frosted)

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
- Consult factory for lead times
- 9° NS available in 279 with L0 or L1 Only

MX ADJUSTABLE REMODEL L/M-10/23 P-7

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.

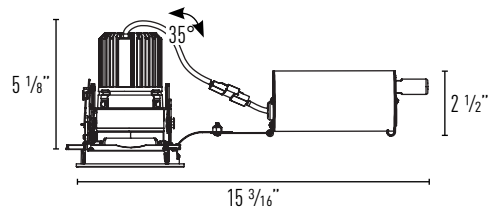
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MXRG2ARTR

3.5" MX G2 LED Lensed Adjustable with Remodel Housing - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

DRIVER: Non-Dimming / DELV / D10

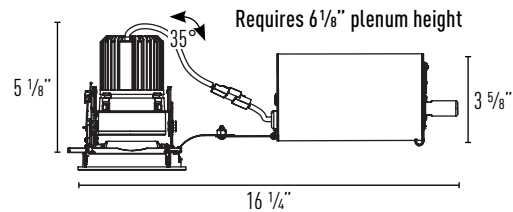


Ceiling Cut Out: 4 1/8"

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"

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.

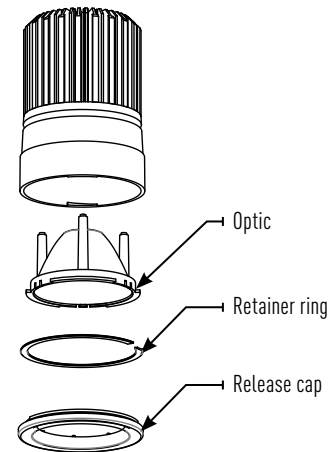
Optics

IP-OP4712 (12° Spot)

IP-OP4724 (24° Narrow Flood)

IP-OP4736 (36° Flood)

IP-OP4750 (50° Wide Flood)



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRR302L0-CR

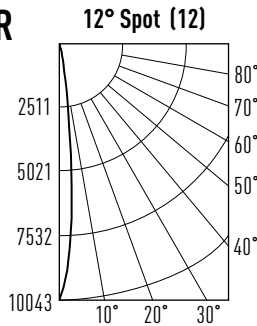
Report #:
ILL-01262016-39 (12)
ILL-01262016-42 (24)
ILL-01262016-45 (36)
ILL-01262016-48 (50)

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)

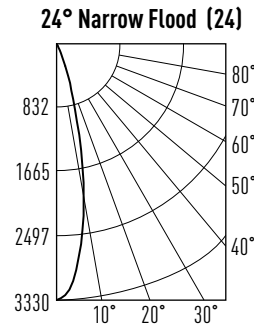
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)
Frosted	(x 0.92)



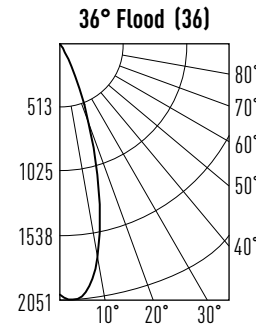
Watts: 10
Lumens: 579
LPW: 58
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	10043
5°	5608
15°	419
25°	70
35°	25
45°	4



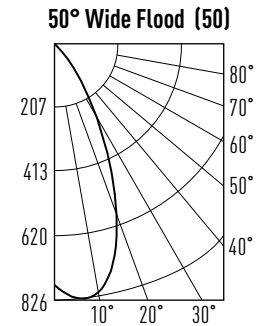
Watts: 10
Lumens: 647
LPW: 65
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	3330
5°	2947
15°	1038
25°	168
35°	18
45°	2



Watts: 10
Lumens: 714
LPW: 71
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	2006
5°	2029
15°	1205
25°	338
35°	54
45°	4



Watts: 10
Lumens: 618
LPW: 62
CCT: 3000K

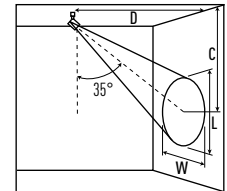
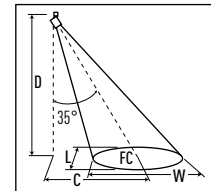
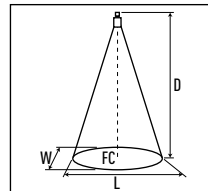
Candelas at Nadir	
Degree	Candela
0°	776
5°	822
15°	731
25°	423
35°	164
45°	42

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-RTRR302WL0-CR 3000K 12° Spot	6'	279	1.2	1.2	6'	4	149	1.7	1.35	3'	4	287	1.12	1.86
	8'	157	1.6	1.6	8'	5	76.1	2.5	1.81	4'	6	149	1.35	2.55
	10'	100	1.9	1.9	10'	7	55.2	2.9	2.43	5'	7	108	1.58	2.94
	12'	69.7	2.3	2.3	12'	8	37.3	3.47	2.92	6'	8	71.6	1.98	3.61
MXTG2-RTRR302WL0-CR 3000K 24° Narrow Flood	6'	92.5	2.5	2.5	6'	4	52.7	3.39	2.97	3'	4	105	2	3.27
	8'	52	3.4	3.4	8'	5	30.5	4.39	3.76	4'	5	59.5	2.69	4.26
	10'	33.3	4.2	4.2	10'	6	19.5	5.52	4.72	5'	6	37.5	3.4	5.35
	12'	23.1	5	5	12'	7	13.4	6.69	5.75	6'	8	26.2	4.02	6.36
MXTG2-RTRR302WL0-CR 3000K 36° Flood	6'	55.7	3.6	3.6	6'	3	37	4.19	3.68	3'	3	68.2	2.81	4.03
	8'	31.3	4.7	4.7	8'	4	20.8	5.54	4.97	4'	5	39	3.52	5.33
	10'	20.1	5.9	5.9	10'	5	13.3	6.93	6.18	5'	6	25.6	4.48	6.5
	12'	13.9	7.1	7.1	12'	6	9.3	8.32	7.39	6'	7	18	5.23	7.71
MXTG2-RTRR302WL0-CR 3000K 50° Wide Flood	6'	21.6	5.6	5.6	6'	2	16.4	5.32	5.16	3'	3	31.9	3.53	4.49
	8'	12.1	7.4	7.4	8'	3	9.5	6.84	6.72	4'	4	18	4.75	5.9
	10'	7.8	9.3	9.3	10'	4	6.2	8.49	8.38	5'	5	11.5	5.95	7.44
	12'	5.4	11.1	11.1	12'	5	4.3	10.14	10.01	6'	6	8	7.12	8.87

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRR302L1-CR

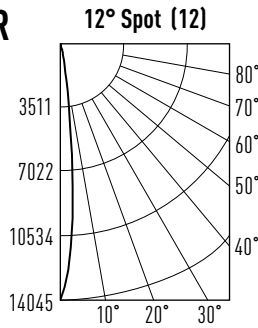
Report #:
ILL-01262016-15 (12)
ILL-01262016-18 (24)
ILL-01262016-21 (36)
ILL-01262016-24 (50)

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)

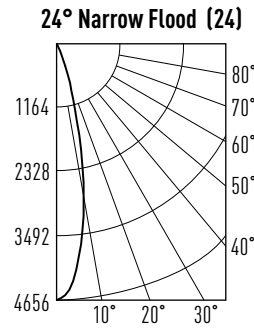
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)
Frosted	(x 0.92)



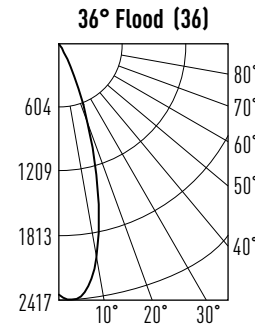
Watts: 15.6
Lumens: 805
LPW: 52
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	14045
5°	7791
15°	583
25°	97
35°	35
45°	5



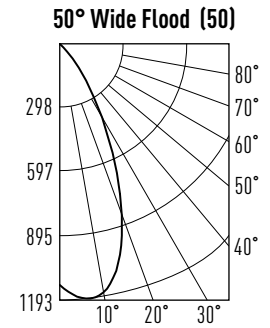
Watts: 15.6
Lumens: 880
LPW: 56
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	4656
5°	4096
15°	1405
25°	225
35°	24
45°	3



Watts: 15.6
Lumens: 964
LPW: 62
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	2395
5°	2381
15°	1570
25°	508
35°	101
45°	10



Watts: 15.6
Lumens: 860
LPW: 55
CCT: 3000K

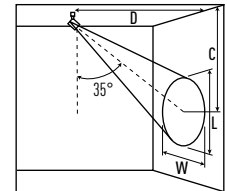
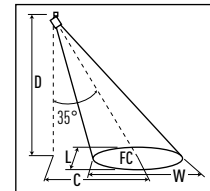
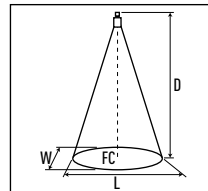
Candelas at Nadir	
Degree	Candela
0°	1127
5°	1190
15°	1034
25°	579
35°	222
45°	57

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-RTRR302WL1-CR 3000K 12° Spot	6'	390	1.2	1.2	6'	4	208	1.69	1.35	3'	4	399	1.12	1.85
	8'	219	1.5	1.5	8'	5	106	2.5	1.81	4'	6	208	1.34	2.54
	10'	140	1.9	1.9	10'	7	77.2	2.89	2.42	5'	7	150	1.57	2.92
	12'	97.5	2.3	2.3	12'	8	52.1	3.48	2.91	6'	8	99.9	1.98	3.6
MXTG2-RTRR302WL1-CR 3000K 24° Narrow Flood	6'	129	2.5	2.5	6'	4	73.6	3.33	2.92	3'	4	146	1.95	3.22
	8'	72.7	3.3	3.3	8'	5	42.4	4.34	3.69	4'	5	82.8	2.64	4.19
	10'	46.6	4.1	4.1	10'	6	27.1	5.45	4.62	5'	6	52.1	3.35	5.28
	12'	32.3	4.9	4.9	12'	7	18.6	6.59	5.63	6'	8	36.5	3.92	6.28
MXTG2-RTRR302WL1-CR 3000K 36° Flood	6'	66.5	3.8	3.8	6'	3	44.7	4.37	3.86	3'	3	84.5	2.9	4.05
	8'	37.4	5.1	5.1	8'	4	25.2	5.76	5.24	4'	4	47.5	3.66	5.45
	10'	23.9	6.4	6.4	10'	5	16.1	7.22	6.55	5'	5	30.4	4.76	6.78
	12'	16.6	7.7	7.7	12'	6	11.2	8.66	7.78	6'	7	21.1	5.6	8.14
MXTG2-RTRR302WL1-CR 3000K 50° Wide Flood	6'	31.3	5.4	5.4	6'	3	23.5	5.27	5.06	3'	3	45.8	3.46	4.47
	8'	17.6	7.2	7.2	8'	3	13.5	6.83	6.6	4'	4	25.8	4.66	5.89
	10'	11.3	9	9	10'	4	8.7	8.48	8.23	5'	5	16.5	5.78	7.38
	12'	7.8	10.8	10.8	12'	5	6.1	10.17	9.89	6'	6	11.5	6.97	8.82

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRR302L2-CR

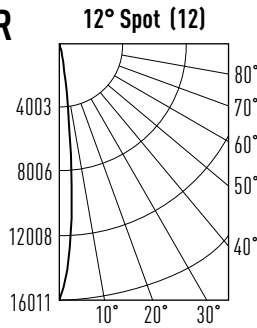
Report #:
ILL-01262016-27 (12)
ILL-01262016-30 (24)
ILL-01262016-33 (36)
ILL-02102016-06 (50)

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)

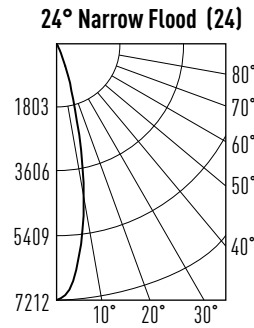
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)
Frosted	(x 0.92)



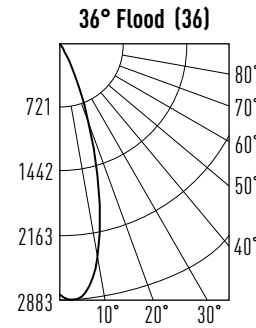
Watts: 20.4
Lumens: 996
LPW: 49
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	16011
5°	10003
15°	605
25°	130
35°	51
45°	7



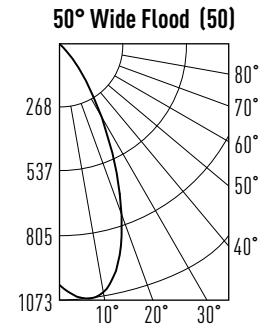
Watts: 20.4
Lumens: 1147
LPW: 56
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	7212
5°	9072
15°	1772
25°	203
35°	25
45°	3



Watts: 20.4
Lumens: 1166
LPW: 57
CCT: 3000K

Candelas at Nadir	
Degree	Candela
0°	2874
5°	2843
15°	1908
25°	616
35°	125
45°	11



Watts: 20.8
Lumens: 910
LPW: 44
CCT: 3000K

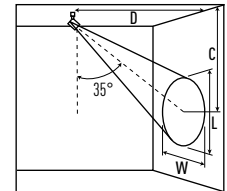
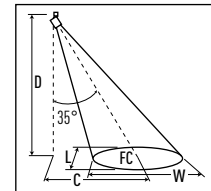
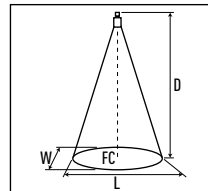
Candelas at Nadir	
Degree	Candela
0°	1060
5°	1071
15°	990
25°	619
35°	263
45°	81

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-RTRR302WL2-CR 3000K 12° Spot	6'	445	1.3	1.3	6'	4	252	1.78	1.37	3'	4	497	1.11	1.89
	8'	250	1.7	1.7	8'	5	137	2.48	1.77	4'	6	252	1.38	2.63
	10'	160	2.1	2.1	10'	7	88	3.16	2.68	5'	7	175	1.67	3.14
	12'	111	2.5	2.5	12'	8	63	3.64	3.05	6'	8	124	2.04	3.7
MXTG2-RTRR302WL2-CR 3000K 24° Narrow Flood	6'	200	2.3	2.3	6'	4	113	3.12	2.71	3'	4	224	1.79	3.04
	8'	113	3	3	8'	5	64.3	4.07	3.46	4'	5	125	2.5	4.03
	10'	72.1	3.8	3.8	10'	6	40.6	5.14	4.38	5'	7	78.8	3.16	5
	12'	50.1	4.5	4.5	12'	8	28.3	6.14	5.3	6'	8	56	3.66	5.89
MXTG2-RTRR302WL2-CR 3000K 36° Flood	6'	79.8	3.9	3.9	6'	3	53.8	4.38	3.89	3'	3	102	2.91	4.05
	8'	44.9	5.2	5.2	8'	4	30.3	5.78	5.28	4'	4	57.2	3.7	5.46
	10'	28.7	6.5	6.5	10'	5	19.4	7.25	6.59	5'	5	36.6	4.79	6.8
	12'	20	7.8	7.8	12'	6	13.4	8.66	7.84	6'	6	25.4	5.63	8.13
MXTG2-RTRR302WL2-CR 3000K 50° Wide Flood	6'	29.4	6	6	6'	2	22.5	5.27	5.31	3'	3	41.8	3.74	4.56
	8'	16.6	8	8	8'	3	12.9	6.9	7.01	4'	4	23.5	5.01	6.01
	10'	10.6	10	10	10'	4	8.2	8.61	8.76	5'	5	15	6.31	7.57
	12'	7.4	12	12	12'	5	5.7	10.33	10.52	6'	6	10.4	7.56	9.04

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRR302L3-CR

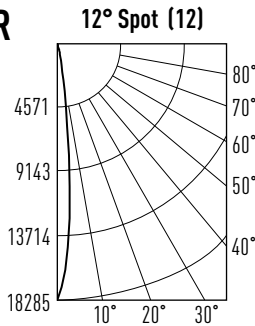
Report #:
ILL-01262016-12 (12)
ILL-01262016-09 (24)
ILL-01262016-03 (36)
ILL-02102016-05 (50)

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)

LENS MULTIPLIERS:

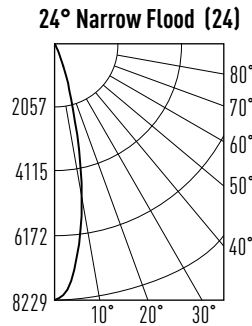
Solite	(x 0.92)
Clear	(x 1.00)
Frosted	(x 0.92)



Watts: 26.3
Lumens: 1162
LPW: 44
CCT: 3000K

Candelas at Nadir

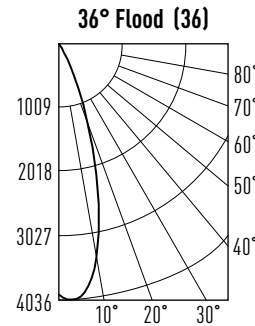
Degree	Candela
0°	18285
5°	11742
15°	655
25°	143
35°	55
45°	9



Watts: 26.3
Lumens: 1398
LPW: 53
CCT: 3000K

Candelas at Nadir

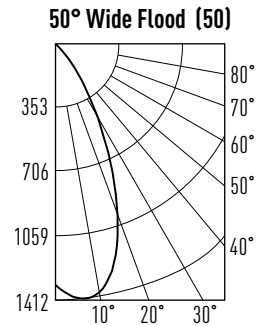
Degree	Candela
0°	8229
5°	7144
15°	2207
25°	256
35°	29
45°	4



Watts: 26.3
Lumens: 1372
LPW: 52
CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	4009
5°	3949
15°	2290
25°	625
35°	111
45°	10



Watts: 26.6
Lumens: 1196
LPW: 45
CCT: 3000K

Candelas at Nadir

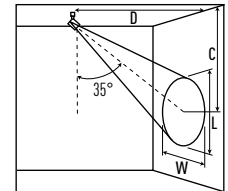
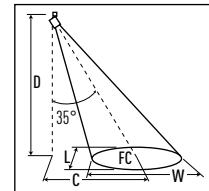
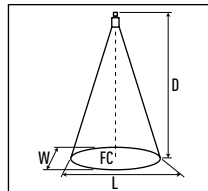
Degree	Candela
0°	1396
5°	1410
15°	1301
25°	813
35°	345
45°	107

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-RTRR302WL3-CR 3000K 12° Spot	6'	508	1.3	1.3	6'	4	286	1.83	1.41	3'	4	557	1.11	1.92
	8'	286	1.7	1.7	8'	5	157	2.5	1.84	4'	6	286	1.41	2.7
	10'	183	2.2	2.2	10'	7	101	3.19	2.72	5'	7	200	1.72	3.2
	12'	127	2.6	2.6	12'	8	71.5	3.74	3.11	6'	8	139	2.19	3.81
MXTG2-RTRR302WL3-CR 3000K 24° Narrow Flood	6'	229	2.4	2.4	6'	4	130	3.22	2.8	3'	4	257	1.88	3.13
	8'	129	3.2	3.2	8'	5	74.6	4.18	3.57	4'	5	145	2.56	4.1
	10'	82.3	4	4	10'	6	47.1	5.3	4.53	5'	6	90.8	3.28	5.15
	12'	57.1	4.7	4.7	12'	8	32.5	6.39	5.5	6'	8	64.2	3.8	6.08
MXTG2-RTRR302WL3-CR 3000K 36° Flood	6'	111	3.5	3.5	6'	3	71.5	4.17	3.64	3'	3	131	2.8	4.02
	8'	62.6	4.7	4.7	8'	4	40.2	5.52	4.93	4'	5	76.2	3.46	5.24
	10'	40.1	5.8	5.8	10'	5	25.7	6.89	6.09	5'	6	49.8	4.37	6.43
	12'	27.8	7	7	12'	6	17.9	8.27	7.34	6'	7	34.8	5.16	7.65
MXTG2-RTRR302WL3-CR 3000K 50° Wide Flood	6'	38.8	6	6	6'	2	29.5	5.28	5.33	3'	3	55	3.74	4.55
	8'	21.8	8	8	8'	3	16.9	6.92	7.01	4'	4	30.9	5.01	6
	10'	14	10	10	10'	4	10.8	8.62	8.74	5'	5	19.8	6.3	7.57
	12'	9.7	12	12	12'	5	7.5	10.36	10.54	6'	6	13.7	7.53	9.01