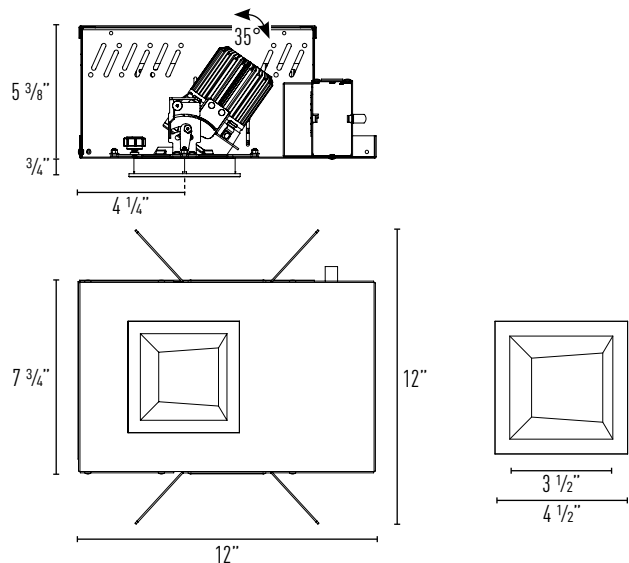


MX MXASTR / MXT-STRA300

MX LED Square Adjustable



Ceiling Cut Out: 4 1/8" x 4 1/8"

Catalog Number	System Wattage ¹	CCT / CRI ²	Delivered Lumens ¹	Lumens Per Watt
MXT-STRA300BL030	10W	3000K / 82 CRI	800lm	80
MXT-STRA300BL130	15W	3000K / 82 CRI	1100lm	73

¹ System Wattage include driver and LED Module consumption.

² CCT / CRI Multipliers

2700K / 82 CRI (x0.92), 2700K / 92 CRI (x0.74), 3000K / 82 CRI (x1.0), 3000K / 92 CRI (x0.8), 3500K / 82 CRI (x1.07), 4100K / 82 CRI (x1.08), Crisp White 3000K (x0.85), Class A 3500K (x0.96)

FEATURES

- 35° Vertical and 360° Horizontal Adjustment with locking
- High center-beam spot with over 12,000 CBCP

LED LIGHT ENGINE

- 2700K, 3000K, 3500K and 4100K / 82 CRI
- Class A - 3500K, combined GAI and CRI metric
- Crisp White - 3000K, vibrant whites and naturally saturated, warm colors
- 2700K and 3000K / 92 CRI (R9 Value = 59)
- 2 Step MacAdam (2 SDMC)
- LED mounted to die-cast / extruded aluminum heat sink
- 50,000 hours average rated life at 70% output

ELECTRICAL SYSTEM

- Power factor >.9, 50/60Hz
- Multiple dimming drivers available
- 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.

HOUSING

Heavy duty black powder coated 18 gauge steel frame. Standard plaster frame accommodates 5/8" ceiling thickness, consult factory for thicker ceilings.

TRIM SPECIFICATION

High quality trims are die-cast using A380 aluminum and finished with durable powder coat available in black or white. Architectural, discrete polished self flange or painted white flange options available.

INSTALLATION

Housing 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. Butterfly brackets and adjustable hanger bars (14"-25") with integral nail included. Butterfly brackets are compatible with C-channel, flat bar hanger and EMT. C-channel is recommended for T-bar ceilings. Bar hangers must be ordered separately. Max. ambient temperature: 131°F (55°C).

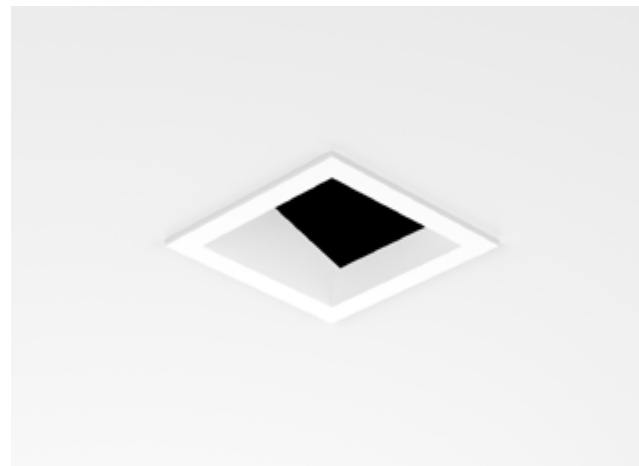
EMERGENCY BACKUP

Remote test switch included. Emergency driver operates LED load of up to 7.0 Watts at a nominal 450 lumens for a minimum of 90 minutes.

LISTING / WARRANTY

- 10 Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-AIC Only) Air Tight Certified ASTM E283
- (-AIC Only) ETL listed for direct contact w/ insulation
- (-CP Only) CCEA Chicago Plenum

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Trim Specification:

Example: MXT-STRA300W-SFL13012

SERIES		MXT-STRA300
Square Accent		
REFLECTOR FINISH		
Black / Self Flanged	B-SF ¹	
Black / Self Flanged White	B-SFW ¹	
White / Self Flanged	W-SF ¹	
WATTAGE		
10 Watts	L0	
15 Watts	L1	
CCT / CRI		
2700K / 82 CRI	27	
2700K / 92 CRI	279	
3000K / 82 CRI	30	
3000K / 92 CRI	309	
3500K / 82 CRI	35	
4100K / 82 CRI	41	
Class A 3500K	CA35	
Crisp White 3000K	CW30	
OPTIC		
12° Spot	12	
24° Narrow Flood	24	
36° Flood	36	
50° Wide Flood	50	

Accessories:

Luminaire will accommodate a maximum of (2) accessories, accessory holder required

ACCESSORY HOLDER		
Accessory Holder, Black	LH47	
Accessory Holder, White	LH47W	
FILTER MEDIA		
Prismatic Spread Lens	PFL1-47	
Linear Spread Lens	PFL2-47	
Solite Soft Focus	PFL4-47	
Black Hex Louver	PFLMB-47	

Housing Specification:

Example: MXASTR-ICL1

SERIES		MXASTR-NC
Non-IC LED		
Air Tight IC LED	MXASTR-IC	
CCEA LED	MXASTR-CP	
WATTAGE		
10 Watts	L0	
15 Watts	L1	
DIMMING		
Non-Dimming	blank	
ELV Dimming	DELV ²	
0-10V Dimming 10%	D10	
eldoLED 0-10V 1%	ED10V1	
eldoLED 0-10V 0.1%	ED10V01	
Lutron Hi-Lume® 1%	LUT1	
Lutron EcoSystem® 1%	LUT	
eldoLED DALI 1%	EDALI1	
eldoLED DALI 0.1%	EDALI01	
VOLTAGE		
120V	blank	
277V	27	
ACCESSORIES		
Emergency Backup	-EM ³	
C-Channel Bar Hangers	-I100	
Flat Bar Hangers	-I200	
Wood Joist Bar Hangers	-I400	

Notes:

1. Special order finishes available, consult factory
2. Available in 120V only
3. Access above ceiling required



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXASTRLO / MXT-STRA300BLO

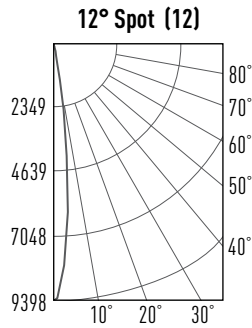
Report #: L041500709 (12)
L051500711 (24)
L051500713 (36)

CCT / CRI Multipliers:

2700K / 82 CRI (x 0.92)
2700K / 92 CRI (x 0.74)
3000K / 82 CRI (x 1.00)
3000K / 92 CRI (x 0.8)
3500K / 82 CRI (x 1.07)
4100K / 82 CRI (x 1.08)

Crisp White 3000K / 90 CRI (x0.85)*
Class A 3500K / 90 CRI (x0.96)*

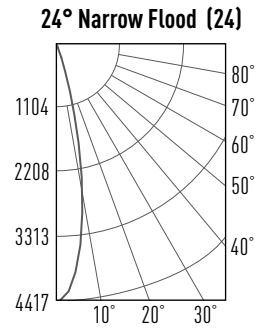
* Lumens only, see IES file for candelas



Watts: 10.7
Lumens: 696
LPW: 65
CCT: 3000K

Candelas at Nadir

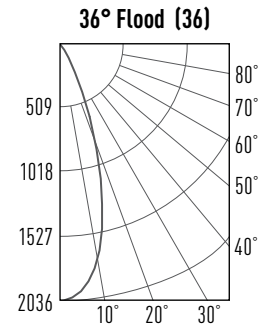
Degree	Candela
0°	9398
5°	6179
15°	476
25°	87
35°	30
45°	5



Watts: 10.7
Lumens: 789
LPW: 74
CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	4417
5°	3928
15°	1253
25°	152
35°	21
45°	4



Watts: 10.7
Lumens: 845
LPW: 79
CCT: 3000K

Candelas at Nadir

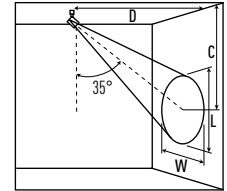
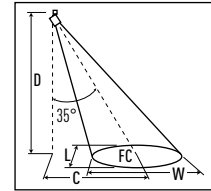
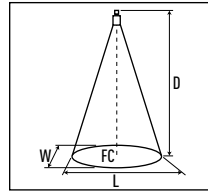
Degree	Candela
0°	2036
5°	1965
15°	1316
25°	460
35°	103
45°	13

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
MXASTRLO / MXT-STRA300BLO 3000K 12° Spot	6'	261	1.4	1.4	6'	4	146	1.94	1.55	3'	4	281	1.16	2
	8'	147	1.8	1.8	8'	5	77.1	2.72	2.2	4'	6	146	1.56	2.82
	10'	94	2.3	2.3	10'	7	51.7	3.3	2.83	5'	7	103	1.91	3.26
	12'	65.3	2.7	2.7	12'	8	36.4	3.92	3.3	6'	8	70.1	2.38	4
MXASTRLO / MXT-STRA300BLO 3000K 24° Narrow Flood	6'	123	2.4	2.4	6'	4	70.1	3.29	2.85	3'	4	139	1.87	3.19
	8'	69	3.2	3.2	8'	5	40.5	4.27	3.59	4'	5	78.9	2.59	4.16
	10'	44.2	4	4	10'	6	25.7	5.4	4.54	5'	6	49.9	3.25	5.22
	12'	30.7	4.9	4.9	12'	7	17.8	6.48	5.48	6'	8	34.7	3.82	6.24
MXASTRLO / MXT-STRA300BLO 3000K 36° Flood	6'	56.6	3.9	3.9	6'	3	36.3	4.43	3.99	3'	3	68.1	2.96	4.12
	8'	31.8	5.2	5.2	8'	4	20.4	5.91	5.4	4'	4	38.3	3.8	5.56
	10'	20.4	6.5	6.5	10'	5	13.1	7.37	6.73	5'	6	24.8	4.84	6.83
	12'	14.1	7.8	7.8	12'	6	9.1	8.82	8	6'	7	17.4	5.7	8.1



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXASTRL1 / MXT-STRA300BL1

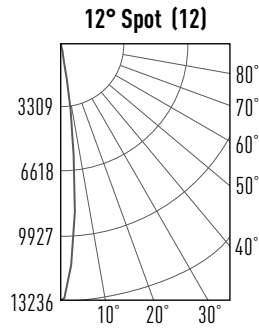
Report #: L041500709 (12)
L051500711 (24)
L051500713 (36)

CCT / CRI Multipliers:

2700K / 82 CRI (x 0.92)
2700K / 92 CRI (x 0.74)
3000K / 82 CRI (x 1.00)
3000K / 92 CRI (x 0.8)
3500K / 82 CRI (x 1.07)
4100K / 82 CRI (x 1.08)

Crisp White 3000K / 90 CRI (x0.85)*
Class A 3500K / 90 CRI (x0.96)*

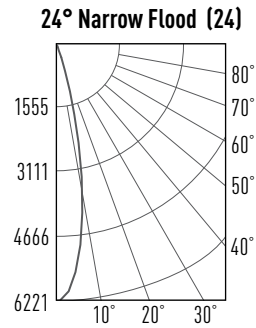
* Lumens only, see IES file for candelas



Watts: 15.2
Lumens: 980
LPW: 65
CCT: 3000K

Candelas at Nadir

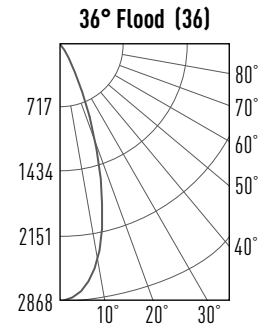
Degree	Candela
0°	13236
5°	8703
15°	671
25°	122
35°	42
45°	8



Watts: 15.1
Lumens: 1112
LPW: 73
CCT: 3000K

Candelas at Nadir

Degree	Candela
0°	6221
5°	5533
15°	1765
25°	214
35°	30
45°	6



Watts: 15.2
Lumens: 1191
LPW: 78
CCT: 3000K

Candelas at Nadir

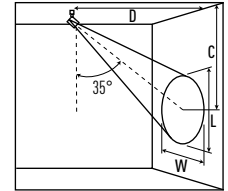
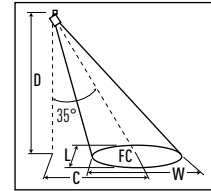
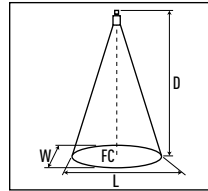
Degree	Candela
0°	2868
5°	2768
15°	1853
25°	648
35°	146
45°	19

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
MXASTRL1 / MXT-STRA300BL1 3000K 12° Spot	6'	368	1.4	1.4	6'	4	205	1.94	1.55	3'	4	395	1.16	2
	8'	207	1.8	1.8	8'	5	109	2.72	2.2	4'	6	205	1.56	2.82
	10'	132	2.3	2.3	10'	7	72.8	3.3	2.83	5'	7	145	1.91	3.26
	12'	91.9	2.7	2.7	12'	8	51.3	3.92	3.3	6'	8	98.8	2.38	4
MXASTRL1 / MXT-STRA300BL1 3000K 24° Narrow Flood	6'	173	2.4	2.4	6'	4	98.8	3.29	2.85	3'	4	196	1.87	3.19
	8'	97.2	3.2	3.2	8'	5	57	4.27	3.59	4'	5	111	2.59	4.16
	10'	62.2	4	4	10'	6	36.3	5.4	4.54	5'	6	70.2	3.25	5.22
	12'	43.2	4.9	4.9	12'	7	25	6.48	5.48	6'	8	48.9	3.82	6.24
MXASTRL1 / MXT-STRA300BL1 3000K 36° Flood	6'	79.7	3.9	3.9	6'	3	51.1	4.43	3.99	3'	3	95.9	2.96	4.12
	8'	44.8	5.2	5.2	8'	4	28.7	5.91	5.4	4'	4	53.9	3.8	5.56
	10'	28.7	6.5	6.5	10'	5	18.4	7.37	6.73	5'	6	34.9	4.84	6.83
	12'	19.9	7.8	7.8	12'	6	12.8	8.82	8	6'	7	24.5	5.7	8.1

DIMMING COMPATIBILITY

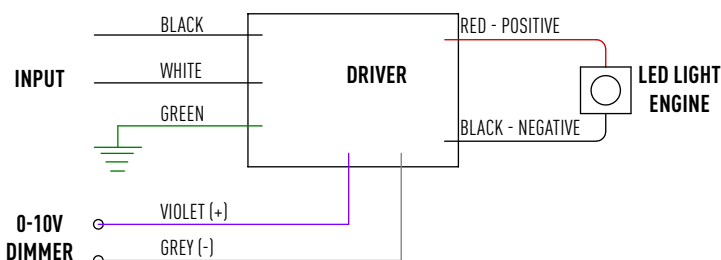
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

0-10V DIMMING (10% Dimming, eldoLED 1%, eldoLED 0.1%)

- 120V/277V
- Dims down to 10% light output
- Consult dimming manufacturer for installation instructions and power packs

COMPATIBLE DIMMERS

Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

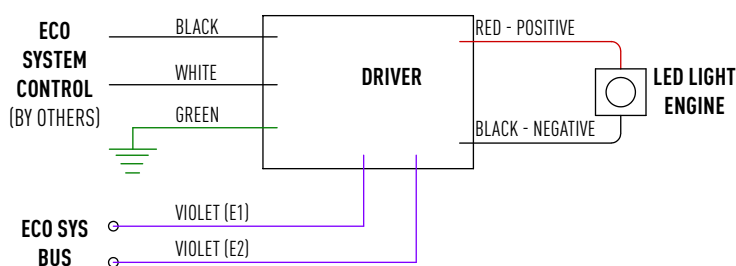


LUTRON ECOSYSTEM® DIMMING

- 120V or 277V
- Dims down to less than 1% or 5% light output
- Consult dimming manufacturer for installation instructions

COMPATIBLE DIMMERS

Product	Part Number(s)
EcoSystem	CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum



LUTRON HI-LUME® DIMMING

- 120V or 277V
- Dims down to less than 1% light output
- Consult dimming manufacturer for installation instructions

COMPATIBLE DIMMERS

Product	Part Number(s)
NovaT	NTF-10, NTF-103P, NTF-103P-277, NTF-10-277
Nova	NF-10, NF-103P, NF-103P-277, NF-10-277
Vareo	VF-10
Skylark	SF-10P, SF-12P-277, SF-12P-277-3, SF-103P
Diva	DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277
Ariadni	AYF-103P, AYF-103P-277
Vierti	VTF-6AM
Maestro	MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277
Maestro Wireless	MRF2-F6AN-DV
Spacer System	SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277
Lyneo	LXF-103PL, LXF-103PL-277
Radio RA 2	RRD-F6AN-DV
HomeWorks QS	HQRD-F6AN-DV

