Astra Lateral LED Luminaire

structura

FIXTURE TYPE: _____

PROJECT NAME: _____

Astra specified on four sides of Structura Spar pole.

SPECIFICATIONS:

CONSTRUCTION: Aluminum housing comprised of 6005A-T61 extrusion body with 6061-T6 extrusion arm and 6061-T6 gasketed handhole covers.

ELECTRICAL: Integral Class P, 120-277V, dimmable constant current driver. Luminaire is pre-wired with watertight 5 conductor 18 gauge SJEOOW whip. 10kA surge suppression is standard with optional external 20kA surge suppression. Operating temperature of -40°C to 50°C.

OPTICAL SYSTEM: LED boards have solderless connections for field upgradability. Available in CCT of 2700, 3000, 3500, 4000K, and amber at >80 CRI. Optics are UV resistant molded PMMA in Type III, IV[3], and V distributions. Consult factory for additional lumen output, CCT, and optical distribution options.

CONTROLS: Dimming through 0-10V input is standard. Available with integral motion sensor/photocell providing on/off and full light to dim control and 5-pin or 7-pin receptacle.

FINISHES: All exterior aluminum parts are polyester powder coat painted to meet AAMA 2604 standards. See Structura's finish options for available colors. Care and Maintenance

LISTINGS & RATINGS: Luminaire CSA listed according to CSA C22.2 No. 250.0-18/UL Standard 1598. Suitable for wet locations. LM-80 test reported L70 > 90,000 hours and calculated L70 > 110,000 hours.

WARRANTY: 5-year warranty on LED and drivers.

M2150 — 14" × 9"

M3195 — 21" × 11"

3" × 4", 2 1/2"
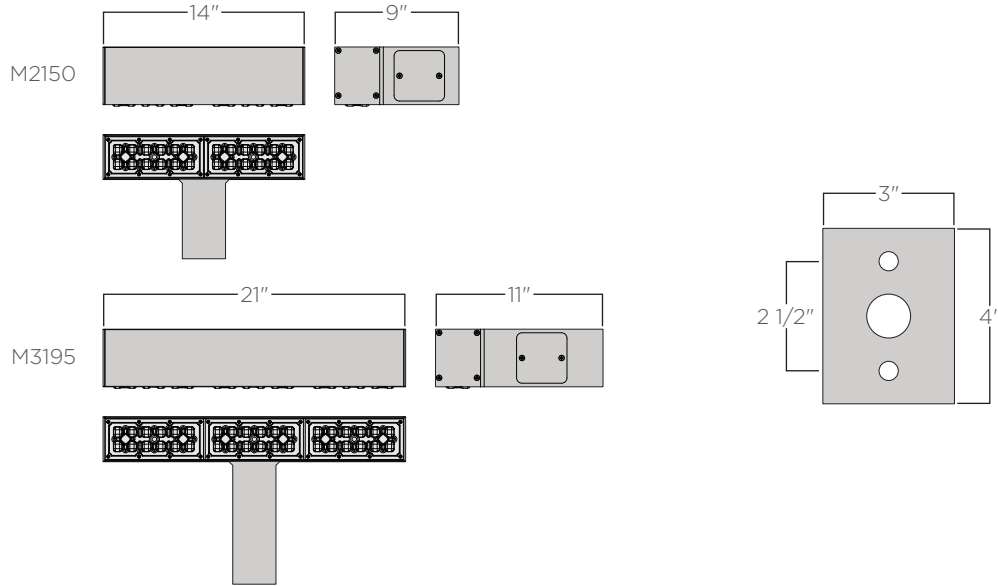
mA	Wattage	CRI	2700K		3000K		3500K		4000K		EPA	Weight
			Lumen[1]	Efficacy	Lumen[1]	Efficacy	Lumen[1]	Efficacy	Lumen[1]	Efficacy		
1500	79	>80	9262	117.6	9634	122.3	9798	124.4	10202	129.5	.54ft²	13.2lbs.
1950	104	>80	12041	115.8	12524	120.4	12737	122.5	13263	127.5	.82ft²	14.6lbs.

ORDERING GUIDE: EXAMPLE: ASTRA-M2150-L30-3-C3-UNV-SP-MS/L3-STD

ASTRA					UNV			STD
1	2	3	4	5	6	7	8	9

1	Series
ASTRA	Astra

2	Output
M2150	1500mA
M3195	1950mA

3	CCT
L27	2700K
L30	3000K
L35	3500K
L40	4000K
AMB	Amber

4	Distribution[2]
3	Type III
4	Type IV
5	Type V

5	Metal Finish
C*	See color options on finishes technical sheet
CSM	Custom Color

6	Voltage
UNV	120-277V

7	Mounting
SP	Structura Pole[3]
ST	Square steel pole by Structura[4]
NA	Pole by Others

8	Options
MS/L*	Motion Sensor/Photocell[5]
5P	5-Pin Receptacle
7P	7-Pin Receptacle

9	Special
STD	Standard

1. Lumen output based upon Type III distribution.
2. Contact factory for alternative output, CCT, or distribution options.
3. Structura pole specification sheet must be completed showing mounting locations and quantities as a separate item.
4. Specify steel pole on page 120 as a separate item.
5. Specify coverage pattern (see page 119 for detail). Requires wirelss handheld configuration tool.
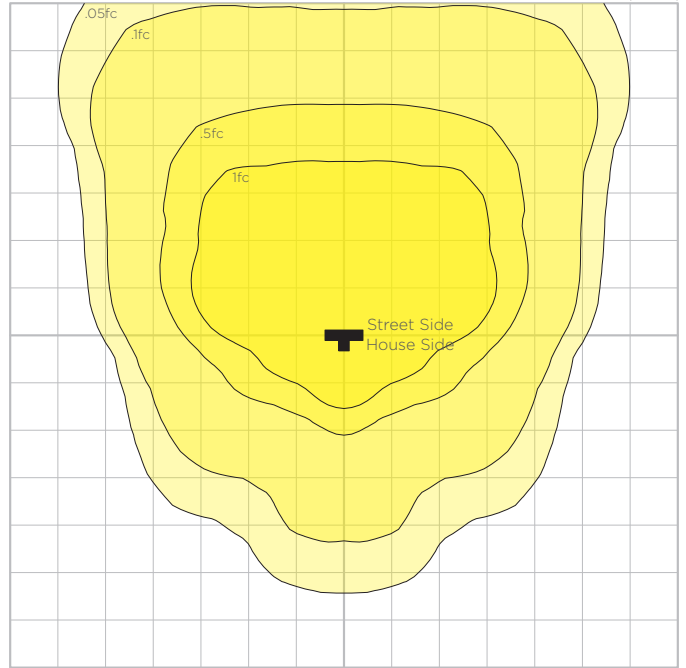
Type III Distribution

⌐10'⌐

.05fc
.1fc
.5fc
1fc

Street Side
House Side
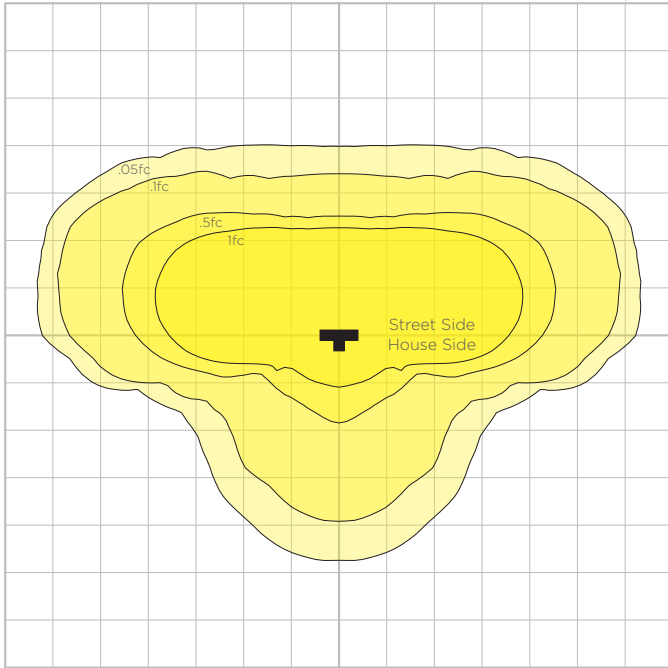
ASTRA-M2150-L30-3-C(X)-UNV-XX-STD mounted at 16'
BUG Ratinng: B1-U0-G1

Type IV Distribution
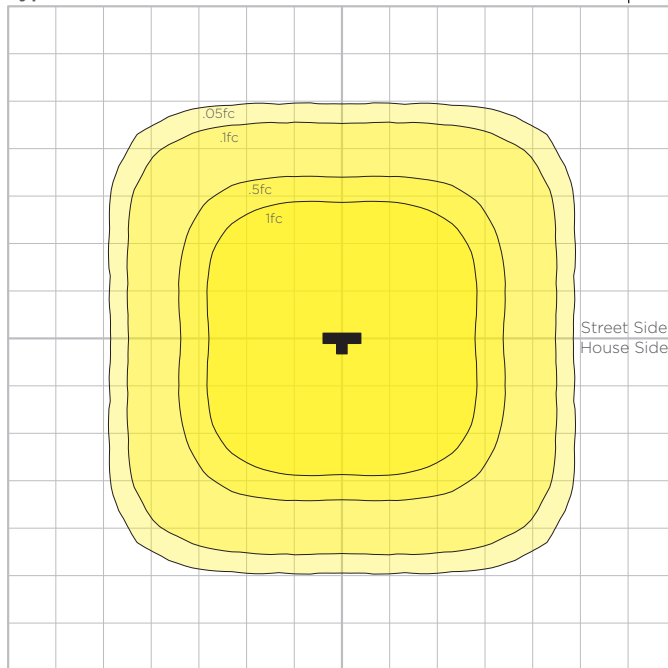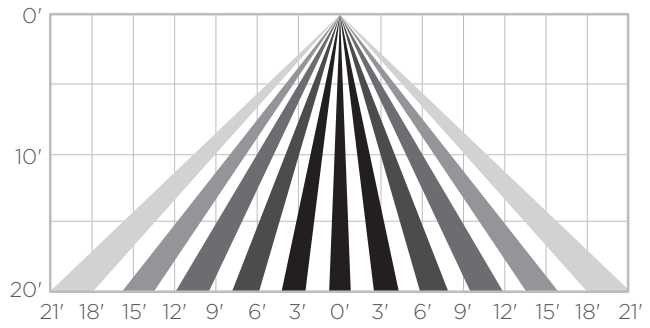
⌐10'⌐

.05fc
.1fc
.5fc
1fc

Street Side
House Side

ASTRA-M2150-L30-4-C(X)-UNV-XX-STD mounted at 16'
BUG Ratinng: B3-U2-G3

Type V Distribution

⌐10'⌐

.05fc
.1fc
.5fc
1fc

Street Side
House Side
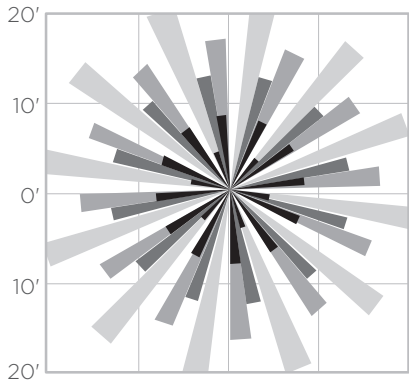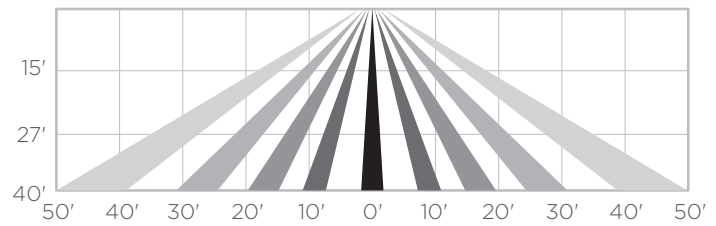
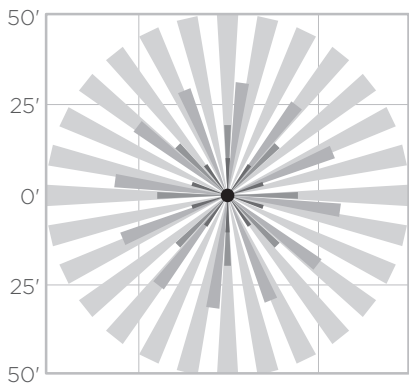ASTRA-M2150-L30-5-C(X)-UNV-XX-STD mounted at 16'
BUG Rating: B3-U0-G1

IES file download

Motion Sensor Type L3 (ordering code MS/L3)

Motion Sensor Type L7 (ordering code MS/L7)

ST Straight Square Steel Pole

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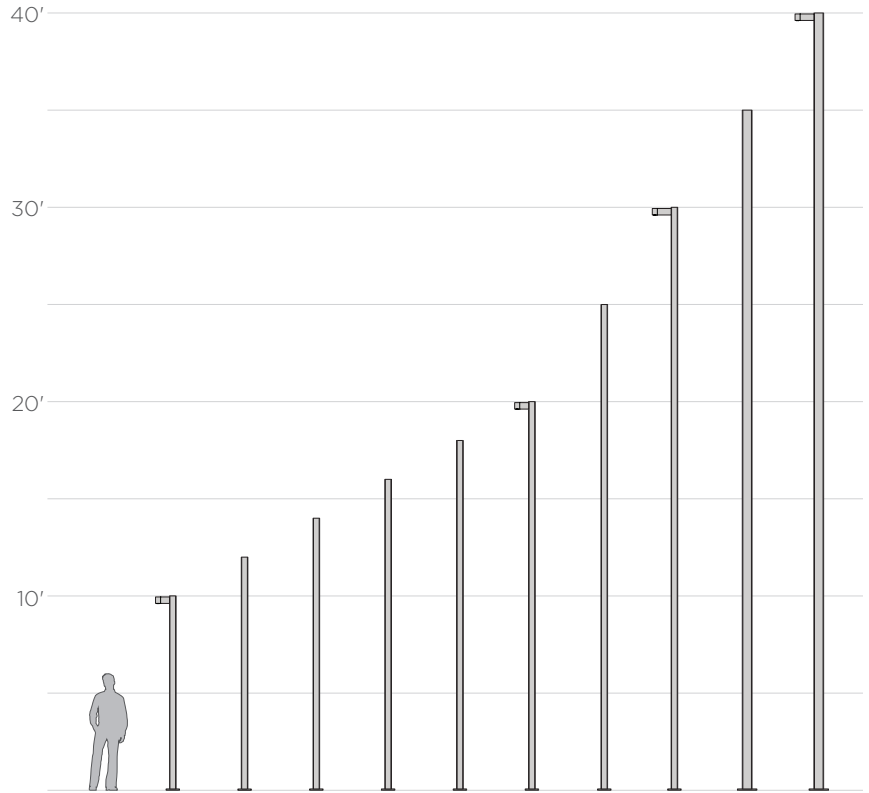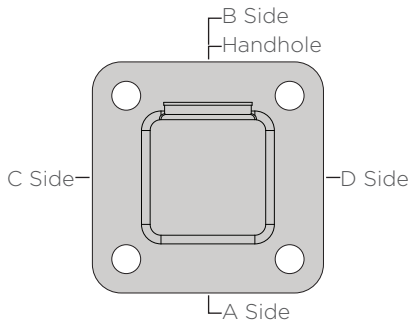
FIXTURE TYPE: _____

PROJECT NAME: _____

FEATURES:

- Heights available from 10 to 40'
- Polyster powder coat painted (AAMA 2604 standard)
- Supplied with a two piece casted aluminum base cover
- Multiple mounting options

Fixture Orientation

- B Side
- Handhole
- C Side
- D Side
- A Side

40'

30'

20'

10'

ORDERING GUIDE: EXAMPLE: ST-20-4-S-C7-A20-B12-STD

ST										STD
1	2	3	4	5	6	7	8	9	10	11

1	Series
ST	Square Steel Pole

2	Pole Height
10	10'
40	40'
**	Specify

3	Pole Size
4	4"
5	5"
6	6"

4	Wall Thickness
S	Standard
T	Thick

5	Pole Finish
***	See color options on finishes technical sheet
CSM	Custom Color

6	A Side — Fixture Mounting Height
Blank	No fixture on this side
A10	10' A Side
A12	12' A Side
A**	Specify

7	B Side — Fixture Mounting Height
Blank	No fixture on this side
B**	Specify

8	C Side — Fixture Mounting Height
Blank	No fixture on this side
C**	Specify

9	D Side — Fixture Mounting Height
Blank	No fixture on this side
D**	Specify

10	Options
BNR	Banner[1]
GALV	Galvanization[2]
GFCI	GFCI Box
VD	Vibration Dampener

11	Special
STD	Standard

1. Consult factory for allowable EPA for banners.
2. Due to the nature of galvanization, some surface smoothness imperfections can be present.

Product specification sheets subject to change.