Lineal LED Luminaire

structura

FIXTURE TYPE: _____

PROJECT NAME: _____

Lineal mounted on Structura Tilt pole.

SPECIFICATIONS:

CONSTRUCTION: Seamless aluminum housing comprised of 6005A-T61 extrusion and 6061-T6 end plates. Gasketed aluminum electrical access cover attached with captive stainless steel hardware and safety cable.

ELECTRICAL: Integral Class P, 120-277V or 347-480V, 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, and 4000K, >80 CRI. Optics are UV resistant molded PMMA in Type II and IV 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 with photocell providing on/off and full light to dim control. Also available with wireless smart city control. See SmartCity control documentation for more information.

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. Bug rating: B1-U0-G1. IP65 rated.

WARRANTY: 5-year warranty on LED and drivers.

Lineal mounted on Structura Kila pole.
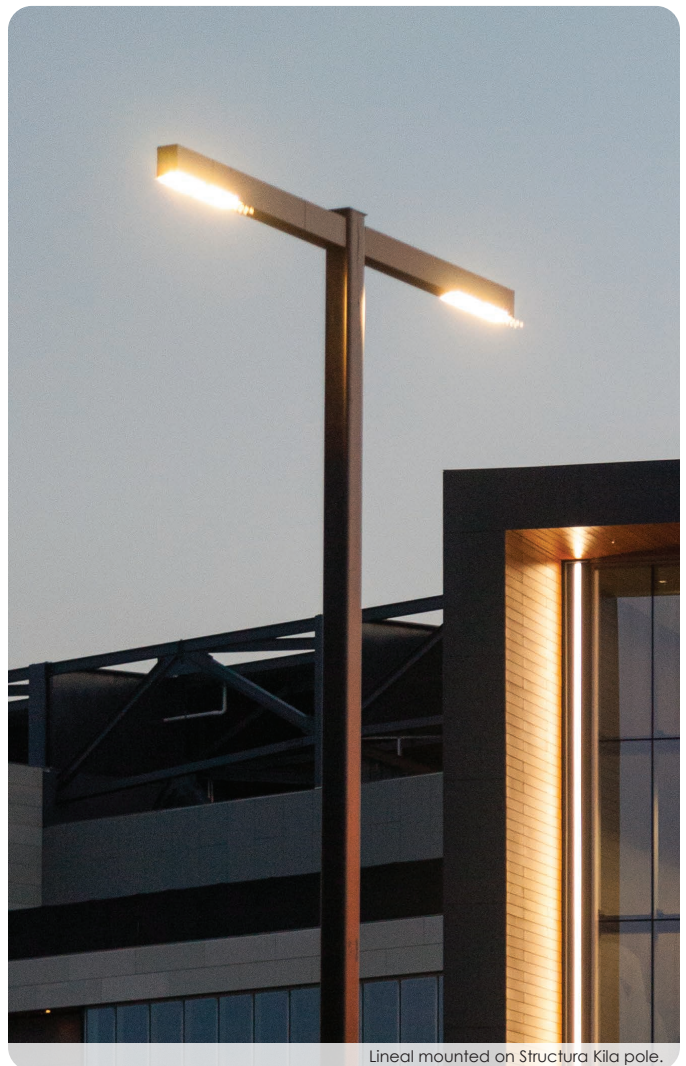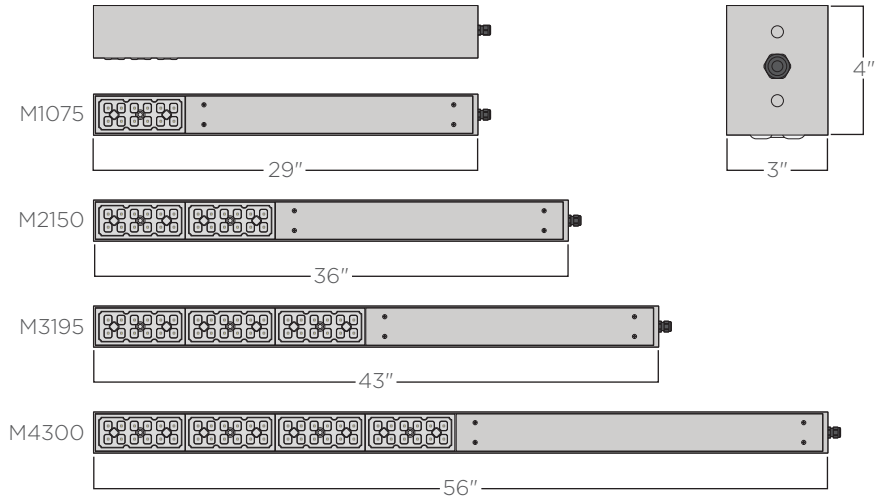
mA	Wattage	CRI	2700K		3000K		3500K		4000K			
			Lumen[1]	Efficacy	Lumen[1]	Efficacy	Lumen[1]	Efficacy	Lumen[1]	Efficacy	EPA	Weight
750	40	>80	4164	103.3	4266	105.9	4437	110.1	4620	114.6	0.81ft^2	12.3lbs.
1500	76	>80	8327	109.6	8532	112.3	8837	116.8	9240	121.6	1.00ft^2	14.2lbs.
1950	104	>80	10825	104.0	11091	106.6	11535	110.9	12012	115.5	1.19ft^2	16.2lbs.
3000	152	>80	16653	109.6	17063	112.3	17745	116.7	18479	121.6	1.55ft^2	20.7lbs.

ORDERING GUIDE: EXAMPLE: LIN-M2150-UNV-L30-4-C4-SP-WC-MS/L3-STD

LIN								
1	2	3	4	5	6	7	8	9

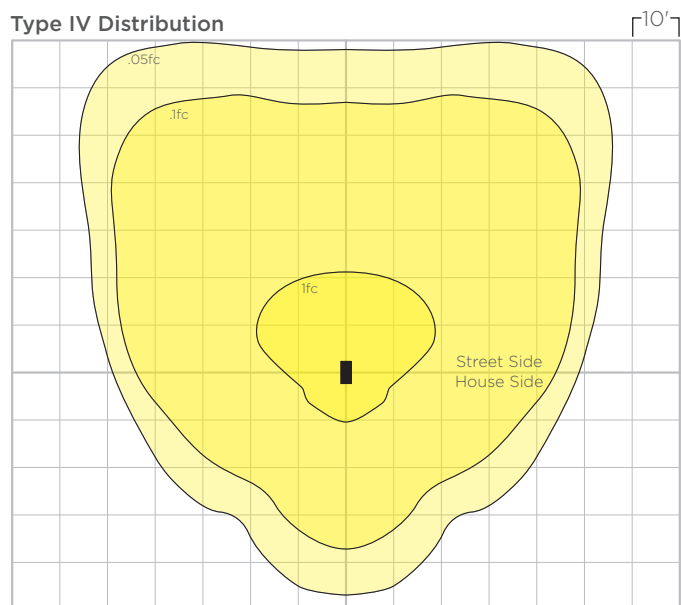| 1	Series	4	Color Temperature[2]	7	Mounting
LIN	Lineal	L27	2700K[3]	SP	Structura Pole[4]
		L30	3000K[3]	ST	Square steel pole by Structura[5]
2	Output[2]	L35	3500K	NA	Pole by Others
		L40	4000K		
M1075	750mA	AMB	Amber	8	Options
M2150	1500mA			HSS	House-Side Shield
M3195	1950mA	5	Distribution[2]	5P	5-Pin Receptacle
M4300	3000mA	2	Type II	MS/L*	Motion Sensor/Photocell[6]
		4	Type IV	NX	Hubbell NX controls
3	Voltage			WC	Wireless Control[7]
UNV	120-277V	6	Metal Finish		
HIGH	347-480V			9	Special
		C*	See color options on finishes technical sheet	STD	Standard
		CSM	Custom Color		

1. Lumen output based upon Type II distribution.
2. Contact factory for alternative output, CCT, and distribution options.
3. CCT of 2700K or 3000K color temperature required for DarkSky Approved.
4. Structura pole specification sheet must be completed showing mounting locations and quantities as a separate item.
5. Specify steel pole on page 108 as a separate item.
6. Specify coverage pattern (see page 107 for detail). Requires wirelss handheld configuration tool.
7. Synapse Wireless site gateway controller must be ordered seperately. Please contact factory for design assistance.

Lineal **LED Luminaire**

Lineal standard wiring[1]

Black (-)

White (+)

Green (Gnd)

Orange (Dim -)

Red (Dim +)

Type II Distribution
⌐10'¬

.05fc

.1fc

1fc

Street Side
House Side
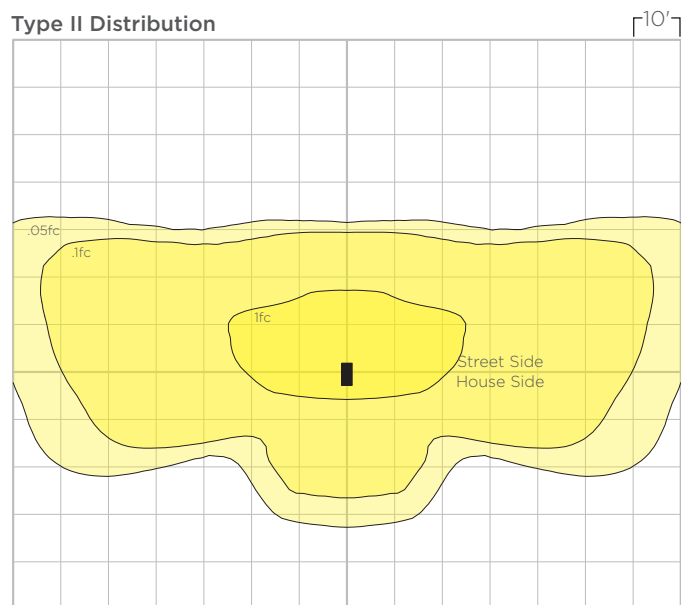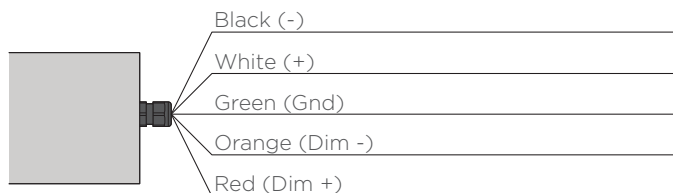
LIN-M1075-UNV-L30-2-C(X)-XX-STD mounted at 16'

[IES file download](#)
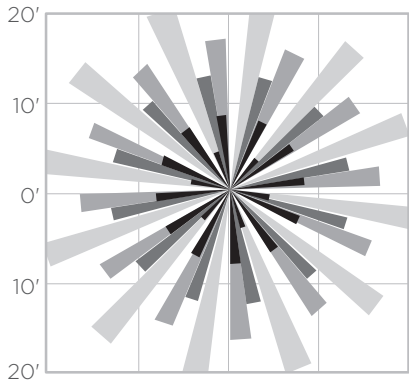
Type IV Distribution
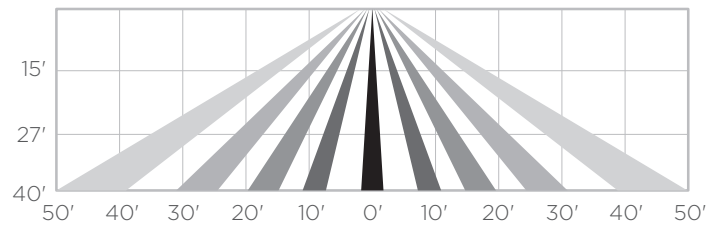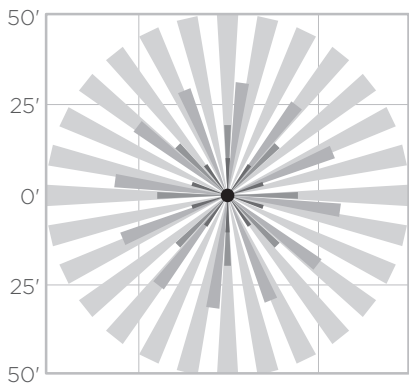⌐10'¬

.05fc

.1fc

1fc

Street Side
House Side

LIN-M175-UNV-L30-4-C(X)-XX-STD mounted at 16'

1. All fixtures are provided with a 12" 18/5 SJEOOW whip. Cap dimming wires if dimming is not required.

Motion Sensor Type L3 (ordering code MS/L3)
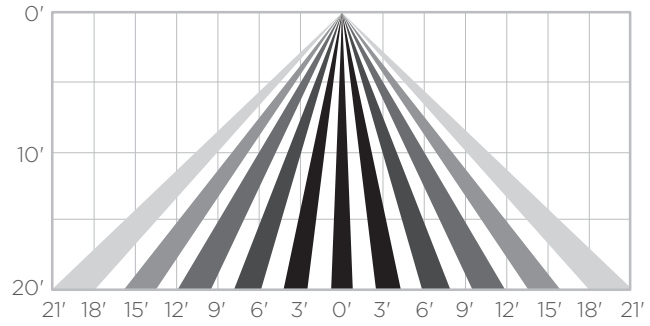
Motion Sensor Type L7 (ordering code MS/L7)

ST Straight Square Steel Pole
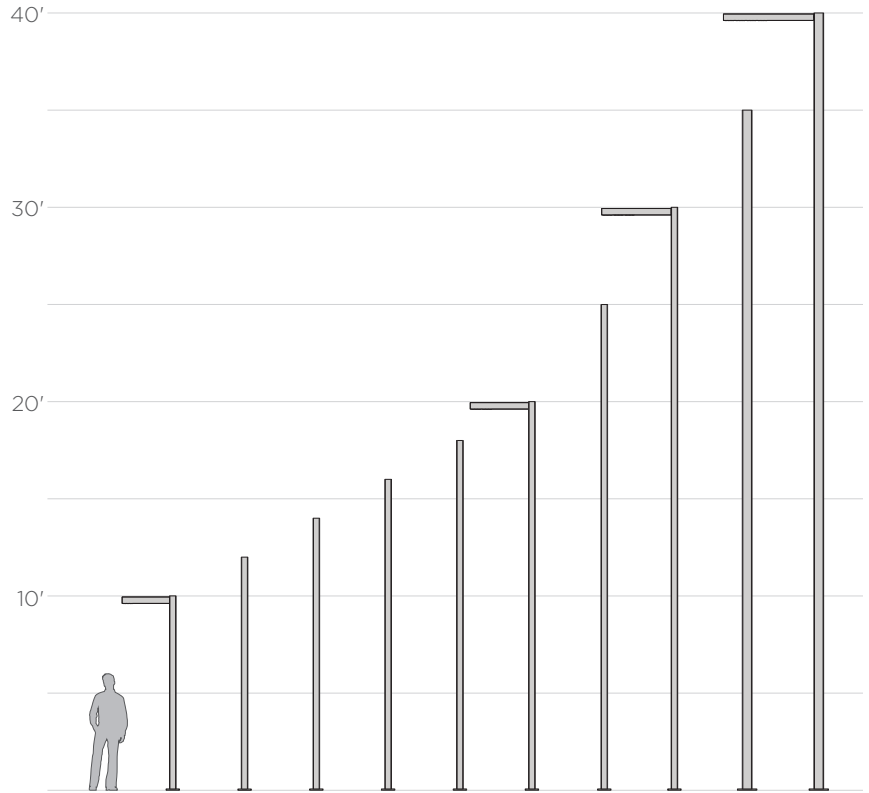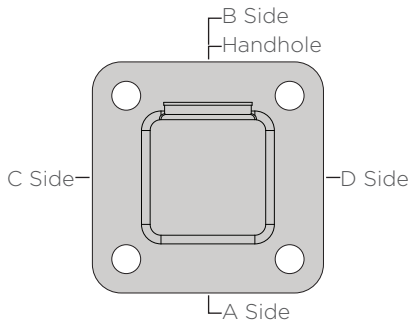
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FIXTURE TYPE: _____

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		5	Pole Finish		8	C Side Fixture Mounting Height
ST	Square Steel Pole		***	See color options on finishes technical sheet		Blank	No fixture on this side
			CSM	Custom Color		C**	Specify
2	**Pole Height**						
10	10'		**6**	**A Side**		**9**	**D Side**
40	40'			**Fixture Mounting Height**			**Fixture Mounting Height**
**	Specify		Blank	No fixture on this side		Blank	No fixture on this side
			A10	10' A Side		D**	Specify
3	**Pole Size**		A12	12' A Side			
4	4"		A**	Specify		**10**	**Options**
5	5"					BNR	Banner[1]
6	6"		**7**	**B Side**		GALV	Galvanization[2]
				Fixture Mounting Height		GFCI	GFCI Box
4	**Wall Thickness**		Blank	No fixture on this side		VD	Vibration Dampener
S	Standard		B**	Specify			
T	Thick					**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.

Lineal Lineal Post Top Mounting Arm

structura

FIXTURE TYPE: _____

PROJECT NAME: _____

18″

32″
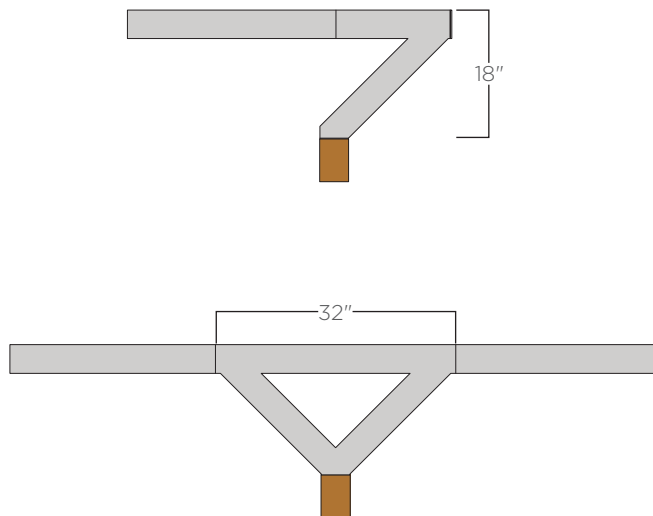
Aluminum mounting arm designed to mount the Lineal luminaire to Structura wood poles.

FEATURES:

• Easy bolt plate mounting attachment

• Pole top connection with two different connection appearances and styles

• Smooth transition from luminaire[1] to mounting arm

SPECIFICATIONS:

CONSTRUCTION: Welded aluminum 6061-T6 extrusion and plates.

FINISHES AND MATERIALS: All metal parts are polyester powder coat painted.

HARDWARE: All fasteners are stainless steel.

ELECTRICAL: Electrical raceway through center of arm connecting to pole.

ORDERING GUIDE: EXAMPLE: LIN PT-SNGL

1	2

1	Series	2	Arm
LIN PT	Lineal Post Top	**SNGL** **DBL**	Single Double

1. For use with Lineal M1075, M2150, and M3195