Pinn LED Luminaire

FIXTURE TYPE: _____

PROJECT NAME: _____



Pinn mounted on Structura Bol 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. 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.

MOUNTING: Mounts via Ø3 3/8" horizontal tenon. Available with optional back extension to create pass-through appearance.

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.

C US



Pinn mounted on Structura Bol pole wtih back extension option.

©2026 STRUCTURA, INC.

			2700K		3000K		3500K		4000K			
Module	mA	Wattage	Lumen[1]	Efficacy	Lumen[1]	Efficacy	Lumen[1]	Efficacy	Lumen[1]	Efficacy	EPA	Weight
1	500	21.9	2448	112.0	2508	114.7	2609	119.3	2716	124.3	0.81ft²	12.3lbs.
1	1000	39.5	4896	124.1	5017	127.2	5217	132.2	5433	137.7	0.81ft²	12.3lbs.
2	1000	39.6	4896	123.6	5017	126.6	5217	131.7	5433	137.1	1.00ft²	14.2lbs.
2	2000	78.9	9792	124.1	10033	127.2	10434	132.3	10866	137.8	1.00ft²	14.2lbs.
3	1500	57.3	7344	128.3	7525	131.4	7826	136.7	8149	142.3	1.19ft²	16.2lbs.
3	2250	86.5	11016	127.4	11287	130.5	11739	135.7	12224	141.3	1.19ft²	16.2lbs.
4	3000	117.3	14688	125.2	15050	128.3	15651	133.4	16299	138.9	1.55ft²	20.7lbs.
4	4000	156.6	19584	125.1	20066	128.2	20869	133.3	21731	138.8	1.55ft²	20.7lbs.

ORDERING GUIDE: EXAMPLE: PINN-M2100-L30-4-C5-UNV-SP-BABA-MS/L3-STD

PINN								STD
1	2	3	4	5	6	7	8	9

1 Series

PINN	Pinn

2 Output[2]

M1050	500mA
M1100	1000mA
M2100	1000mA
M2200	2000mA
M3150	1500mA
M3225	2250mA
M4300	3000mA
M4400	4000mA

3 CCT[2]

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

4 Distribution[2]

2	Type II
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
HIGH	347-480V

7 Mounting

SP	Structura Pole[3]
NA	Pole by Others

8 Options

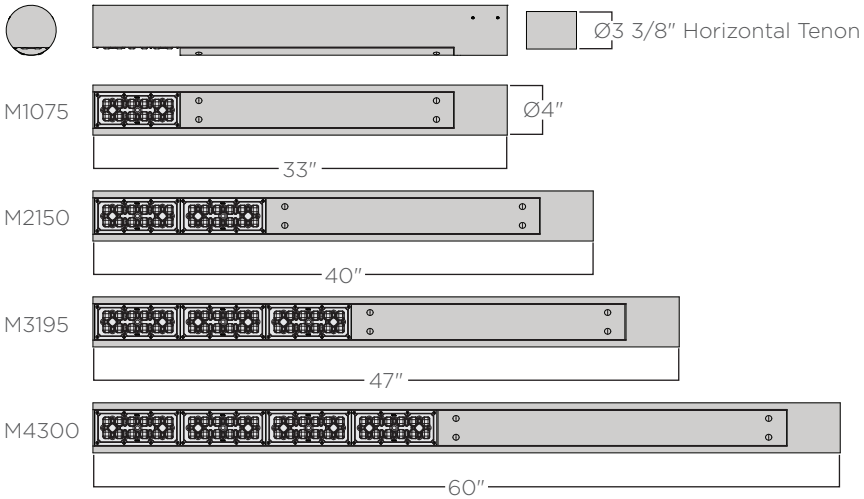
BABA	BABA
HSS	House-Side Shield
MS/L*	Motion Sensor/Photocell[4]
NX	Hubbell NX controls
WC	Wireless Control[5]

9 Special

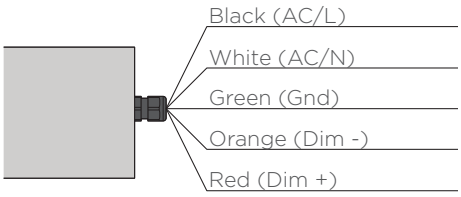
STD	Standard

1. Lumen output based upon Type II distribution.
2. Contact factory for alternative output, CCT, and distibution options.
3. Structura pole specification sheet must be completed showing mounting locations and quantities as a separate item.
4. Specify coverage pattern (see page 159 for detail). Requires wirelss handheld configuration tool.
5. Synapse Wireless site gateway controller must be ordered seperately. Please contact factory for design assistance.

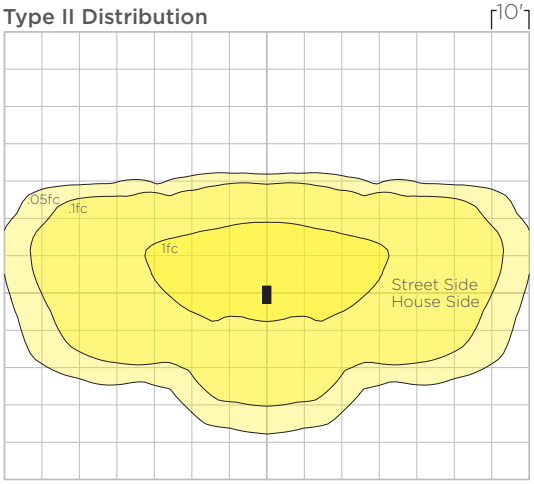
©2026 STRUCTURA, INC.



Pinn standard wiring[1]

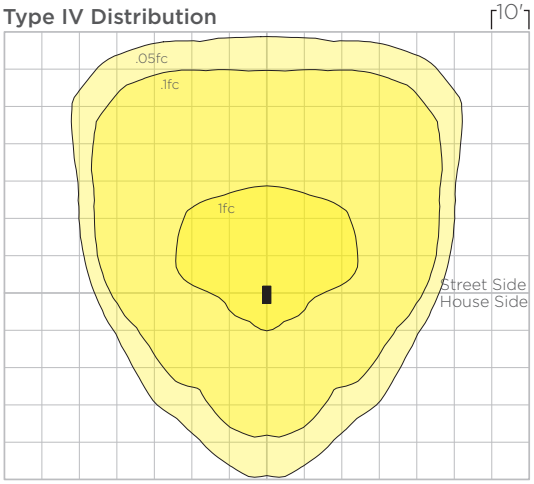


Type II Distribution



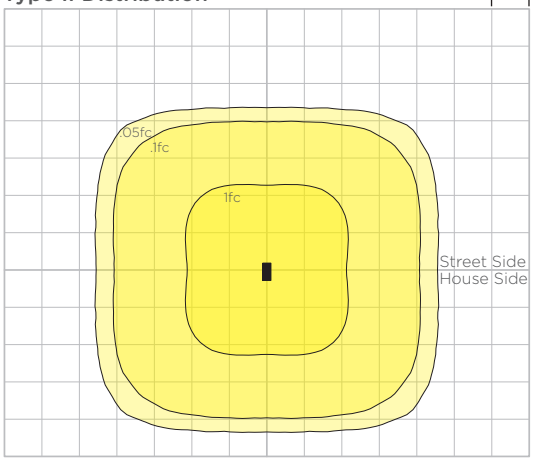
PINN-M1100-L30-2-C(X)-UNV-XX-STD mounted at 16'

Type IV Distribution



PINN-M1100-L30-4-C(X)-UNV-XX-STD mounted at 16'

Type II Distribution



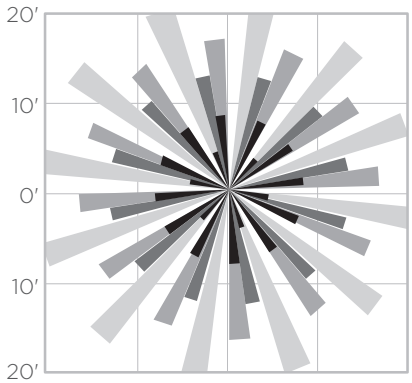
PINN-M1100-L30-5-C(X)-UNV-XX-STD mounted at 16'

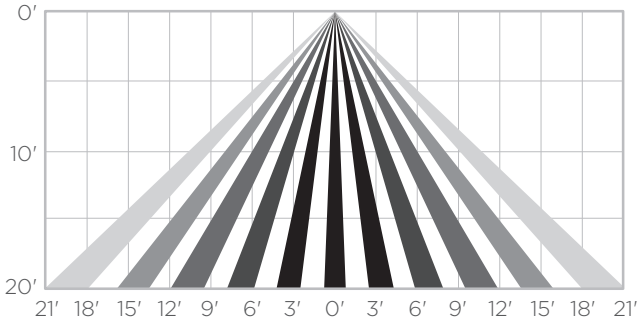
IES file download

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

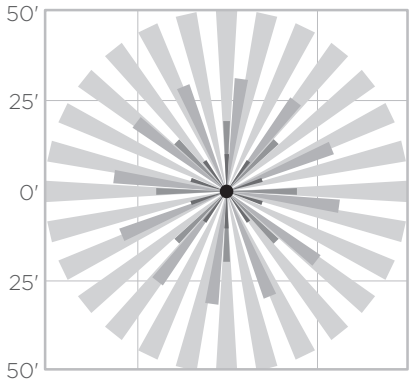
©2026 STRUCTURA, INC.

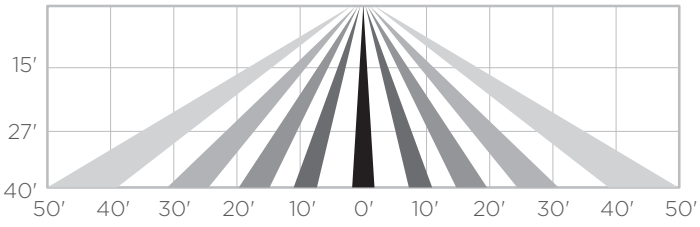
Motion Sensor Type L3 (ordering code MS/L3)





Motion Sensor Type L7 (ordering code MS/L7)





©2026 STRUCTURA, INC.