

Type III Technical Chart

Used for Recreational and Industrial Lighting and Distribution

Direct Embedment

CATALOG NUMBER SMOOTH GRAY	MOUNTING HEIGHT (Ft.)	POLE WEIGHT (Lbs.)	OVERALL LENGTH (Ft.)	POLE SIZE (In.)		EPA AT POLE TIP (Sq. Ft.)					ULTIMATE GROUNDLINE MOMENT (Ft. Lbs.)	BREAKING LOAD 2 FT. FROM TIP (Lbs.)
				TIP	BUTT	90 MPH	110 MPH	130 MPH	140 MPH	160 MPH		
253002	20.5	1,703	25.0	6.0	10.06	132	85	58	49	35	48,200	2,605
303002	25.0	2,264	30.0	6.0	10.88	121	77	52	43	31	57,700	2,508
353002	29.5	2,914	35.0	6.0	11.69	114	72	48	39	27	67,800	2,465
403002	34.0	3,660	40.0	6.0	12.50	109	68	44	36	24	78,600	2,456
453002	38.5	4,508	45.0	6.0	13.31	105	64	41	33	21	90,400	2,476
503002	43.0	5,465	50.0	6.0	14.13	102	61	38	30	18	102,500	2,500
553002	47.5	6,618	55.0	6.0	14.94	130	79	50	40	25	145,100	3,189
603002	52.0	7,820	60.0	6.0	15.75	129	78	48	38	25	163,800	3,276
653002	56.5	9,151	65.0	6.0	16.56	128	76	46	36	21	183,100	3,359
703002	61.0	10,617	70.0	6.0	17.38	126	74	44	33	18	201,800	3,420

General Information

1. Different colors, finishes and exposed aggregates are available upon request.
2. Longer lengths of poles available upon request.
3. All corners are chamfered.
4. 7,000 PSI concrete is standard; higher strengths are available if required.
5. STRENGTH: In most cases a higher ground line moment and a higher breaking strength and EPA can be attained without going to a larger pole.
6. EFFECTIVE PROJECTED AREA (EPA): Lonestar Prestress Mfg. concrete poles and mounting arms have been designed in accordance with accepted engineering practices to be structurally capable of withstanding wind loads and velocity pressure per ASCE 7-05. Poles to meet higher wind loads are available.
7. HOLES: Holes are precast to meet your specifications and requirements for mounting attachments, most any desired arrangement can be provided. Contact Lonestar Prestress Mfg. for any questions about field drilling light poles.
8. INSTALLATION: Lonestar Prestress Mfg. concrete poles are designed for setting directly into the ground, without the use of precast foundations, similar to the setting of wood poles. After the hole is drilled, the pole is set and plumbed, the earth is then backfilled and tamped. The depth is dependent on the nature of the soil and the anticipated load. Where it is impossible to embed the poles in the ground, such as on bridges or overpasses, a bolt-down base plate is available.
9. To specify a base plate for base mounted poles add the suffix BP to catalog numbers. Customer to supply the bolt circle drawings or template.

