

MAXIMUM POLE HEIGHT CHART (FT)

		Bolt Circle (In)			
Pole Type		8"	9"	10"	11"
4 SF EPA	4" Round Pole	37'	39'	42'	37'
	5" Round Pole	34'	36'	38'	34'
	6" Round Pole	31'	34'	36'	32'
	4" Square Pole	32'	34'	37'	33'
	5" Square Pole	29'	32'	34'	30'
	6" Square Pole	27'	29'	31'	28'
6 SF EPA	4" Round Pole	33'	35'	38'	35'
	5" Round Pole	31'	33'	35'	31'
	6" Round Pole	29'	31'	33'	29'
	4" Square Pole	28'	31'	33'	29'
	5" Square Pole	26'	28'	31'	27'
	6" Square Pole	25'	27'	29'	25'
8 SF EPA	4" Round Pole	30'	32'	34'	30'
	5" Round Pole	28'	30'	32'	28'
	6" Round Pole	26'	28'	30'	27'
	4" Square Pole	25'	27'	29'	26'
	5" Square Pole	24'	26'	28'	24'
	6" Square Pole	22'	24'	26'	23'

Design Method: ASCE 7-05 (IBC 2009)

Design Wind Speed = 90 MPH / EPA = 6 SF

- EPA includes pole and luminaire
- Assumed concrete base is 2 ft diameter protruding 3 ft or less above grade, in soil
- If pole is tapered, use average width/diameter
- Values can be interpolated between tables
- Using 3/4" (grade 55) or 1" (grade 36) F1554 bolts provided by Oldcastle
- Torsion effects are omitted