

# SLTC Pole / Luminaire Configurations

Ground Reactions as calculated according to AASHTO standard LTS-3

			FOR ANCHOR BASE POLES							
Wind	Fixture	Pole .	Bolt	Base	Anchor	Base	Horizontal	Axial	Base	Bolt
Speed	Description	Cat. No	Circle	Thickness	Diameter	Moment	Shear	Load	Stress	Stress
80 mph	SLTC-1000single	SLT4181	8.0 in.	.75 in.	.75 in.	4076 ft. lb.	265 lbs.	195 lbs.	9544 psi	12998 psi
	SLTC-1000twin180	SLT4187	8.0 in.	.75 in.	.75 in.	6152 ft. lb.	376 lbs.	322 lbs.	14404 psi	19618 psi
	SLTC-1000twin70	SLT4207	8.0 in.	.75 in.	.75 in.	7513 ft. lb.	388 lbs.	337 lbs.	17591 psi	23958 psi
	SLTC-1000quad	SLT5207	9.0 in.	1.0 in.	1.0 in.	10524 ft. lb.	562 lbs.	565 lbs.	9187 psi	33560 psi
100 mph	SLTC-1000single	SLT4187	8.0 in.	.75 in.	.75 in.	6060 ft. lb.	403 lbs.	337 lbs.	14189 psi	19325 psi
	SLTC-1000twin180	SLT5187	9.0 in.	1.0 in.	1.0 in.	9150 ft. lb.	561 lbs.	357 lbs.	7987 psi	29178 psi
	SLTC-1000twin70	SLT5207	9.0 in.	1.0 in.	1.0 in.	10759 ft. lb.	576 lbs.	375 lbs.	9392 psi	34309 psi
	SLTC-1000quad	SLT6203	9.0 in.	1.0 in.	1.0 in.	14884 ft. lb.	784 lbs.	831 lbs.	3056 psi	23253 psi
120 mph	SLTC-1000single	SLT5187	9.0 in.	1.0 in.	1.0 in.	7668 ft. lb.	493 lbs.	262 lbs.	6693 psi	24452 psi
	SLTC-1000twin180	SLT5187	9.0 in.	1.0 in.	1.0 in.	12553 ft. lb.	742 lbs.	357 lbs.	10958 psi	40030 psi
	SLTC-1000twin70	SLT6203	9.0 in.	1.0 in.	1.0 in.	14029 ft. lb.	741 lbs.	641 lbs.	2880 psi	21917 psi
	SLTC-1000quad	SLT6203	9.0 in.	1.0 in.	1.0 in.	20688 ft. lb.	1059 lbs.	831 lbs.	4247 psi	32320 psi

Ground reactions used to determine foundation design