Comparison of PLS-CADD/LITE Vs. SAGSEC

	PLS-CADD/LITE	SAGSEC
Built in ruling span sag-tension	●	●
Includes finite element sag-tension[1]		●
Can use linear material conductor model[2]	●	●
Can use a nonlinear material conductor model[3]	●	
Calculates wire loads at each end of span	●	●
Structure loading trees with user supplied overload factors	●	
Supports NESC constant	●	
Automatic adjustment of wind with height as per ASCE, NESC, IE 6826, EN50341-1 and various other codes	●	
Links to PLS-POLE and TOWER for checking structures	●	
Models all wires attached to a single structure	●	
Creates stringing charts	●	
IEEE 738 and CIGRE Brochure 207 / 601 based thermal ratings	●	
Checks wire clearances to structure (including guys)[4]	●	
Checks clearance between wires	●	
Creates galloping ellipse drawings	●	

Notes:

1. Finite element sag-tension allows for modeling concentrated loads, shift&cut situations and working with a fixed length of wire. Users of the Standard Edition of PLS-CADD are better served by the SAPS plug-in which can also make these calculations, but in a better integrated manner.
2. A linear conductor model only allows for modeling the wire in the final condition.
3. Nonlinear conductor model allows for modeling initial, creep and after load (final) wire conditions.
4. Clearance to structure requires the use of PLS-POLE or TOWER structures.