COMPARISON CHART: DLTCAD LIGHT vs FULL
SOFTWARE DESIGN FOR OVERHEAD POWER TRANSMISSION LINES.

MAIN OPTIONS COMPARISON	DLTCAD 2014 (LIGHT)	DLTCAD 2014 (FULL)
Interactive graphics and access to all menu options using the mouse and graphical icons.	✅	✅
It allows working with multiple files.	✅	✅
Databases, structures, conductors and insulators.	✅	✅
Databases of supports made out of wood, concrete, steel towers.	✅	✅
Databases of supports made out of metal.	✅	✅
Independent change of state hypothesis for each conductor.	✅	✅
Catenary calculation using the linear model.	✅	✅
Catenary calculation using the nonlinear model.	✅	✅
Calculation of EDS Final for each span and conductor.	✅	✅
Calculation of sags and tensions for EDS Final.	✅	✅
Independent simulation of EDS Final calculations, for a range of spans.	✅	✅
Calculations of minimum vertical clearances for all types of conductors.	✅	✅
Calculations of chained insulators swing.		✅
Calculation of sag tables and for stringing stapled conductors.	✅	✅
Calculation of sag tables and for stringing conductors on pulleys.		✅
Calculation of conductor shift when strung using pulleys (Offset)		✅
Calculation of load trees for each structure.		✅
It adds guys, grounding types, foundation types, for each support.	✅	✅
It allows splitting a project file into sub projects, recording selected sections in another file.	✅	✅
It selects and assigns attributes and types of ground for a range of topographical points.	✅	✅
It allows direct export to Excel, of all reports and calculated tables.	✅	✅
It auto cut drawings in A1 format, in horizontal and vertical configurable scales.	✅	✅
It does a preview of cut drawings, with Zoom options for image close up and total image displacement.	✅	✅
It selects and configures data for catenaries and supports is included in a flat profile drawing cut.	✅	✅
It provides Floor Plans views for the distribution of structures.	✅	✅
It provides Floor Plans views of Transmission Line with UTM coordinates box.	✅	✅
It provides parallel profiles for uneven sections, (Counterprofiles).		✅

Feature		
It provides editing options for support grounding and foundation types.	✅	✅
It provides options for the distribution of buffers (for configurable ranges).	✅	✅
Calculates and reports a summary of main materials used.	✅	✅
It uses input data in UTM or in classic format (*. TPG)	✅	✅
It allows calculation of a topographic profile in their own environment, with data from UTM coordinates.	✅	✅
It displays in the computer screen all phases of the transmission line design.	✅	✅
It works with conductors in Simple Triple or Double Triple.	✅	✅
5 types of conductors per span can be used: 2 triples, cable guard, neutral wire, and additional cable.	✅	✅
It provides options for automatic distribution of support grounding.	✅	✅
It provides options for generating the automatic calculation of hypotheses, taking into account the environmental conditions existing in the area of a project.	✅	✅
It reports forms in UTM coordinates.	✅	✅
It provides databases of structures by number of phases and geometry of the assembly.	✅	✅
It provides conductor creep calculation due to creep effect.	✅	✅
It allows use of multiple conductors per phase (Duplex, Triplex, Quadruplex), applicable in very high voltage lines (220 kV, 380 kV, 500 kV).		✅
It calculates maximum temperature of a conductor (Ampacity) based on IEEE 738 Standard.		✅
It calculates conductor longitudinal and cross losses (corona effect).		✅
It calculates the electrical parameters of the overhead transmission line.		✅
It edits options for the embedment of structures.		✅
It provides options for the automatic distribution of structure guys.	✅	✅
It exports plans of transmission line Longitudinal Profiles.	✅	✅
It cuts transmission line profile drawings in different formats.	✅	✅
It provides tables of transmission line voltage levels.		✅
It provides obstacles tables (attributes) by voltage level.		✅
It provides graphics for aerial barriers and obstacles on the ground surface.	✅	✅
It provides vibration calculations due to conductor galloping effect.		✅
Plan view detailing width of margin of error.	✅	✅
It provides various reports of Ampacity Calculations (according to standard IEEE738).		✅
It provides actual reports on loads per structure (for each environmental condition).		✅

Evaluates Vertical and Horizontal safety clearances with side obstacles (**) DMSecurity. ✅

Is compatible with Windows XP, Windows7, Windows8. *** ✅ ✅

Must be used via the Internet for permanent and temporary licenses. ✅ ✅

It can be used with hardware key for permanent licenses).**** ✅ ✅

It does wind speed correction depending of height supports. ✅

Recognizes older versions of files (* .PRJ; * .dlt) ✅ ✅

***: In the implementation process, it will be delivered with updates*

***: Windows 10 compatibility is in the works.

****: Hard key not available for USA users.