



**MAXIMUM ALLOWABLE SUPERIMPOSED LOAD**  
 CHRISTIE LITES DANCE TOWER and DOUBLE DANCE TOWER TRUSS  
 VERTICAL INSTALLATION - FLOWN OR GROUND SUPPORTED

No. of Sections <sup>1</sup>	Height <sup>2</sup> (ft)	Total Superimposed Load <sup>3, 4, 5</sup> Total Load (lbs)
1	6.75'	5925
2	13.50'	5850
3	20.25'	5775
4	27.00'	5700
5	33.75'	5625
6	40.50'	5550
7	47.25'	5475

FOOTNOTES

- 1 Load table is based on a typical truss section with an overall length of 6'-11" and a length of 6'-9" between splice points.
- 2 Height indicates overall length of vertically flown or ground supported truss structure.
- 3 Truss tower must be supported at both the top and the bottom to maintain stability and to achieve full capacity.
- 4 The sum of all applied loads shall not exceed the value listed for Total Superimposed Load.
- 5 Total superimposed load shall be distributed evenly along the straight left and right chord members and/or along horizontal chord cross members.
- 6 Maximum concentrated load that may be hung from a single 2" diameter chord or cross member is 500-lbs. Concentrated loads greater than 500-lbs shall have multiple support points as required to satisfy this requirement.
- 7 Truss sections shall be spliced together using (4) 5/8" diameter grade 8 thru bolts.
- 8 Capacity of additional support structures, bracing, components or connections are outside the scope of this analysis.

Christie Lites Dance Tower Truss Span Table  
AHBL Project #2130071.20  
February 2013

