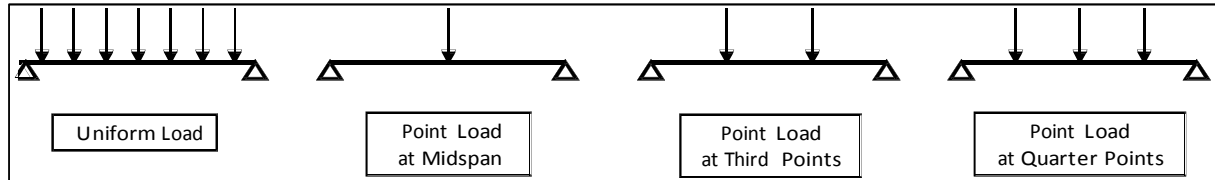


CHRISTIE LITES

ALLOWABLE LOAD DATA

CHRISTIE LITES 12" TYPE A TRUSS - STRAIGHT HORIZONTAL SPANS



No. of Sections	Span ^{1, 8} (ft)	Uniform Load ²			Maximum Allowable Point Loads ^{3, 4, 6}					
					Center Point		Third Point		Quarter Point	
		Load (plf)	Total Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)
1	8	420	3360	0.12	845 ⁵	0.04	2 x 500 ⁵	0.02	3 x 360 ⁵	0.07
2	16	105	1680	0.49	845	0.32	2 x 500	0.10	3 x 360	0.47
3	24	47	1128	0.60	560	0.56	2 x 420	0.54	3 x 240	0.59
4	32	25	800	0.72	420	0.70	2 x 300	0.70	3 x 180	0.67
5	40	12	480	0.80	250	0.90	2 x 150	0.86	3 x 100	0.85

FOOTNOTES

- 1) Span indicates distance between truss supports.
- 2) Maximum uniformly distributed load that may be supported by a single horizontal 2" pipe is 270 plf. Uniform load shall be distributed equally to bottom chord and/or top chord members to the greatest extent possible.
- 3) Maximum single concentrated point load that may be supported by a single horizontal 2" pipe is 500 lbs.
- 4) Concentrated loads shall be hung from chord members only. Each concentrated load shall have two or four truss support points, equally distributed over both bottom chords.
- 5) Allowable concentrated point loads for 8'-0" span truss may be doubled provided the load is hung from 4 unique support points equally distributed over both bottom chords.
- 6) For point loads at intervals not indicated, use equivalent uniform load to determine capacity.
- 7) Truss sections shall be spliced together using (4) 5/8" diameter grade 8 thru bolts or a Truss Corner Block with (8) 5/8" diameter grade 8 thru bolts. The 22.5-degree, 30-degree, and 45-degree truss corner blocks shall be located no more than 8'-0" from a support point on both sides.
- 8) Truss lengths of 1'-0", 2'-0", 3'-0", 4'-0" and 6'-0" have a load rating equal to the 8'-0" truss span, and are subject to the uniform and concentrated loading restrictions of footnotes 2, 3, 4 and 5.
- 9) Capacity of additional support structures, components or connections are outside the scope of this analysis.