



## 12" Element Truss

Element 12 has a compact design that is ideal in situations where ceiling height is limited and for carrying simple lighting loads and accessories such as drapes and scenery.

Two standard profiles are available, 12" h x 12" w and 12" h x 18" w. The wide version allows 2 rows of fixtures to hang side by side without interfering with each other and is sometimes referred to as "Ball room truss".

### Facts

- Element is similar to our Light Duty truss with a couple of differences
- Side ladders contain only diagonals rather than diagonals and uprights
- The cross members alternate in the top and bottom face

### Specifications Element Truss 12"

	<b>Imperial</b>	<b>Metric</b>
Height:	12"	30,48 cm
Width:	12"	30,48 cm
Connection Centers: 6.78"w x 6.78"h.		
Material:	6061-T6 Aluminium	
Connection:	5/8" Grade 8 Steel nuts & bolts	
Maximum Certified Span:	40ft.	

# 12 Element Truss" Loading data

Imperial loading charts

Span (ft)	UDL			CPL		1/3 Point Load		1/4 Point Load	
	plf	lbs	in	lbs	in	lbs (2x)	in	lbs (3x)	in
5	817	4085	0.016	2398	0.015	1199	0.012	1182	0.017
10	406	4060	0.124	2372	0.116	1186	0.099	1174	0.136
15	262	3930	0.409	1965	0.329	1173	0.334	982	0.389
20	145	2903	0.727	1451	0.587	1089	0.743	726	0.692
25	91	2276	1.136	1138	0.921	854	1.160	569	1.083
30	62	1850	1.636	925	1.334	694	1.670	463	1.561
35	44	1538	2.227	769	1.828	577	2.272	385	2.127
40	24	950	2.235	475	1.867	356	2.276	238	2.143

Metric loading charts

Span (m)	UDL			CPL		1/3 Point Load		1/4 Point Load	
	plf	kg/m	mm	kg/m	mm	kg/m	mm	kg/m (3x)	mm
1,5	371	1853	0	1088	0	544	0	536	0
3,0	184	1842	3	1076	3	538	3	533	3
4,6	119	1783	10	891	8	532	8	445	10
6,1	66	1317	18	658	15	494	19	329	18
7,6	41	1032	29	516	23	387	29	258	28
9,1	28	839	42	420	34	315	42	210	40
10,7	20	698	57	349	46	262	58	175	54
12,2	11	431	57	215	47	161	58	108	54