

# PRE-RIG TRUSS

Pre-Rig truss is 30" x 26" in size. It is manufactured from aluminum tube 6082-T6 with 2" x .125" wall thickness for main tubes and 1" x .125" wall tube for the diagonals. Each truss piece has 4 caster wheels for easy maneuverability and bolts for the connection of truss pieces.

Each truss is designed to carry 2 lighting bars complete with lanterns. The lighting bars are stored internally in the truss and can be lowered to the working position when in use. This design reduces the amount of space required for lighting and rigging in the truck. Each truss is also designed to carry a varying amount of lanterns. The 10' section carries 2 bars of 8 lanterns, 7' section carries 2 bars of 6 lanterns, 5' section carries 2 bars of 4 lanterns, and the 3' 9-1/2" section carries 2 bars of 3 lanterns. This feature enables great flexibility in the truss design.

The Pre-Rig truss accepts a modified lighting bar which have 2 sleeved holes in them. The lighting bars are located inside the truss by guide rods. In the storage position the bars are securely held in the truss by shank hooks. The whole system can be used with our Ground Support System by using suitable sleeve blocks and towers.



## Standard lengths and weights

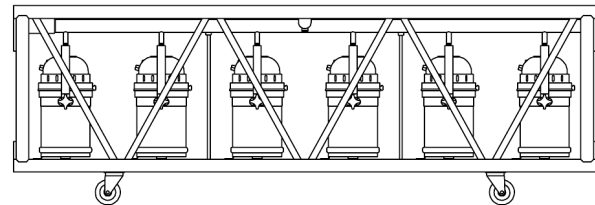
PRODUCT CODE	DESCRIPTION	WT lbs
B0300	10' section (empty)	111.3
B0301	7' 7" section (empty)	91
B0302	5' section (empty)	77.15
B0303	3' 9 1/2" section (empty)	57.35
B0304	6"-12" make up piece (empty)	-

## Standard lengths and weights

PRODUCT CODE	DESCRIPTION	WT lbs
B4302	Universal pivot section 0-270 degree	59.5
B4303	Universal pivot section 0-90 degree	59.5
B4304	Horizontal load-bearing pivot section	123.5
B4305	Vertical load-bearing pivot section	123.5
B4306	P.R.T. to G.P. adapter	28.65

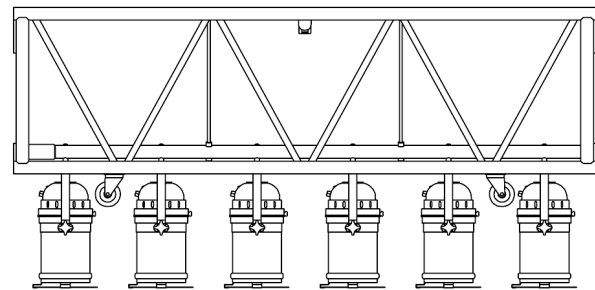
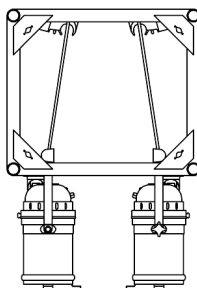
## Corners

PRODUCT CODE	DESCRIPTION	WT lbs
B4300	2 way corner block	52.9
B4301	4 way corner block	61.75

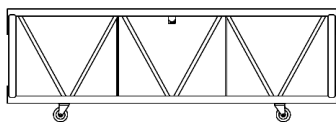
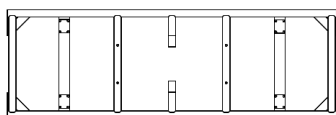


Par 64 lanterns in storage position

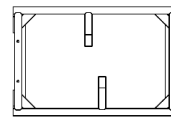
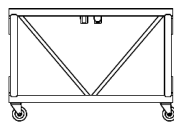
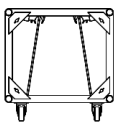
To lower lanterns from storage to operating position, simply pull tab on shank hook with one hand while holding the lighting bar with the other hand. Then lower the lanterns into operating position.



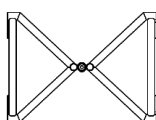
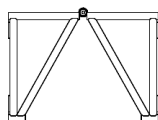
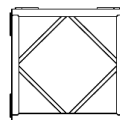
Par 64 lanterns lowered to operating position



7' 7" Pre-Rig Truss



3' 9 1/2" Pre-Rig Truss


 Universal Pivot  
Section 0-90°

 Universal Pivot  
Section  
0-270°

 4 Way  
Corner  
Block

### Loading chart

Allowable Load Data loaded Pre-rigged	Maximum Allowable Uniform Loads		Maximum Allowable Center Point Loads	
	Span 7'-7" sections feet	Loads pounds	Maximum deflection inches	Loads pounds
2) <b>15.17</b>	6980*	0.63	4691	0.945
3) <b>22.75</b>	6138	1.26	3069	1.26
4) <b>30.33</b>	4458	1.69	2229	1.69
5) <b>37.92</b>	3395	2.09	1698	2.09
6) <b>45.5</b>	2676	2.72	1338	2.72
7) <b>53.08</b>	2134	3.66	1067	3.66
8) <b>60.67</b>	1671	4.72	836	4.72

### Loading chart

Allowable Load Data empty Pre-rigged	Maximum Allowable Uniform Loads		Maximum Allowable Center Point Loads	
	Span 7'-7" sections feet	Loads pounds	Maximum deflection inches	Loads pounds
2) <b>15.17</b>	6737*	0.63	4572	0.945
3) <b>22.75</b>	5774	1.26	2888	1.26
4) <b>30.33</b>	3977	1.69	1989	1.69
5) <b>37.92</b>	2791	2.09	1396	2.09
6) <b>45.5</b>	1951	2.72	977	2.72
7) <b>53.08</b>	1289	3.66	646	3.66
8) <b>60.67</b>	703	4.72	353	4.72

**LOADING FIGURES** show maximum loads between supports in addition to self weight of truss. Information extracted from structural report by The Broadhurst Partnership. \* Denotes load limited to suit maximum shear capacity. All loads include a 20% overload factor for dynamic effects.