



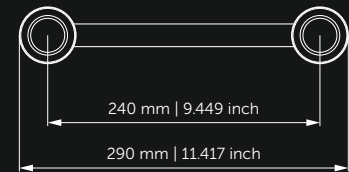
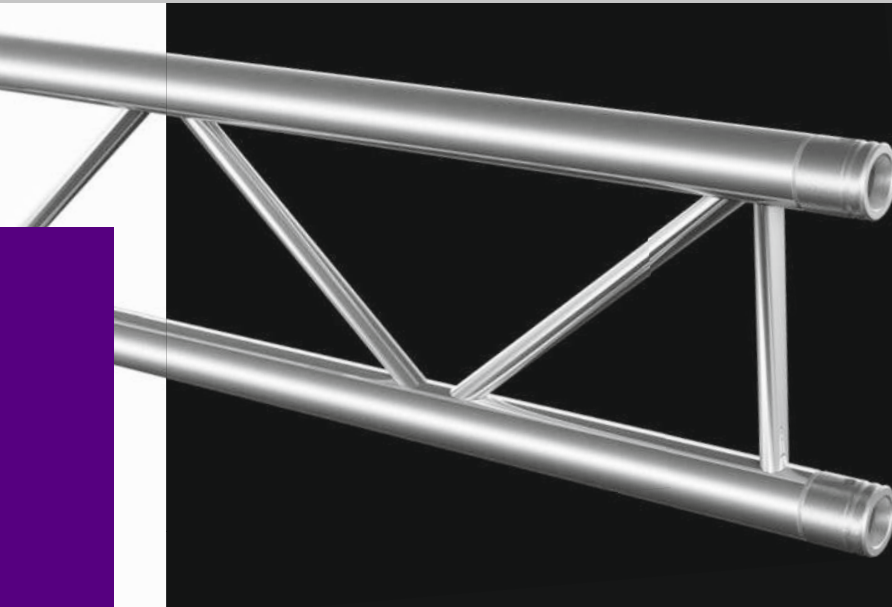
TRUSSLITE™

QUICK, INNOVATIVE & VERSATILE

TRUSSLITE TL32

QUICKLOCK LINE

TL32 double



SPECIFICATIONS

TUBES	50x2mm (2 x 0.08inch)
BRACES	20x2mm (0.8 x 0.08inch)
ALLOY	EN-AW 6082 T6

STRAIGHT SEGMENT LENGTHS

CODE	LENGTH		WEIGHT		DESCRIPTION
TL32-50	0.5m	1.64ft	1.6kg	3.53lbs	straight segment
TL32-75	0.75m	2.46ft	2.1kg	4.63lbs	straight segment
TL32-100	1m	3.28ft	2.6kg	5.73lbs	straight segment
TL32-150	1.5m	4.92ft	3.5kg	7.72lbs	straight segment
TL32-200	2m	6.56ft	4.4kg	9.70lbs	straight segment
TL32-250	2.5m	8.20ft	5.4kg	11.90lbs	straight segment
TL32-300	3m	9.84ft	6.4kg	14.11lbs	straight segment
TL32-350	3.5m	11.48ft	7.3kg	16.09lbs	straight segment
TL32-400	4m	13.12ft	8.2kg	18.08lbs	straight segment
TL32-450	4.5m	14.76ft	9.1kg	20.06lbs	straight segment
TL32-500	5m	16.40ft	10kg	22.05lbs	straight segment



LOADING TABLES




	2m	4m	6m	8m	10m	12m
Distrib. Load [kg/m]	465	228	101	56.3	38	24.9
Deflection [mm]	3.5	16.6	33.3	56.4	91.8	125.4
Point load [kg]	900	500	340	250	200	160
Deflection [mm]	4.6	13.5	27.6	47.9	74.8	105.3
	6.56ft	13.12ft	19.68ft	26.24ft	32.81ft	37.37ft
Distrib. Load [lb/ft]	312.5	153.2	67.9	37.8	25.5	16.7
Deflection [inch]	0.1	0.7	1.3	22.2	3.6	4.9
Point load [lb]	1984	1102	749	551	441	352
Deflection [inch]	0.2	0.5	1.1	1.9	2.9	4.1

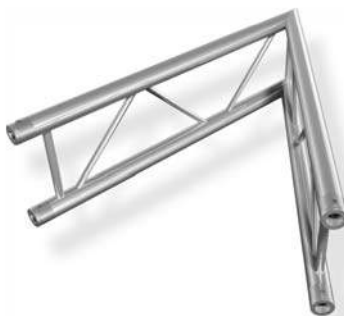
The here listed loads are verified for the case simply supported beam.
The truss needs a horizontal support every 1.0 m.






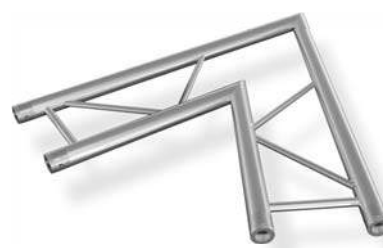
CORNERS




TL32-C19-H

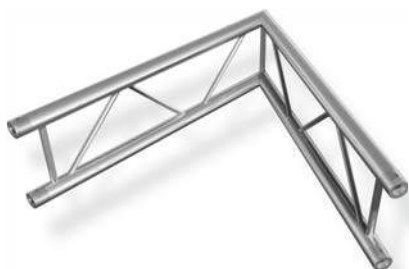
 1m (3.28ft)
 2-way 45° corner horizontal
 3kg (6.61lbs)





TL32-C19-V

 1m (3.28ft)
 2-way 45° corner vertical
 3.4kg (7.50lbs)





TL32-C20-H

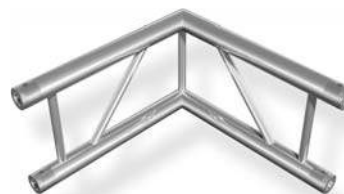
 1m (3.28ft)
 2-way 60° corner horizontal
 3.2kg (7.05lbs)





TL32-C20-V

 1m (3.28ft)
 2-way 60° corner vertical
 3.4kg (7.50lbs)





TL32-C21-H

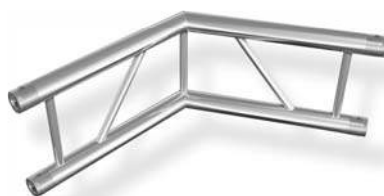
 0.5m (1.64ft)
 2-way 90° corner horizontal
 2.3kg (5.07lbs)





TL32-C21-V

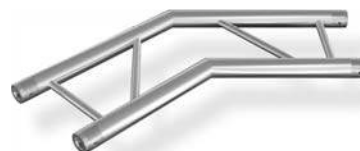
 0.5m (1.64ft)
 2-way 90° corner vertical
 2.5kg (5.51lbs)





TL32-C22-H

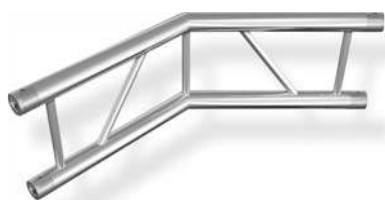
 0.5m (1.64ft)
 2-way 120° corner horizontal
 2.6kg (5.73lbs)


TL32-C22-V




 0.5m (1.64ft)
 2-way 120° corner vertical
 2.8kg (6.17lbs)


TL32-C23-H

 0.5m (1.64ft)
 2-way 135° corner horizontal
 2.7kg (5.95lbs)






TL32-C23-V

 0.5m (1.64ft)
 2-way 135° corner vertical
 2.8kg (6.17lbs)






TL32-C30-H

 0.5m (1.64ft)
 3-way 90° corner horizontal
 3.8kg (8.38lbs)






TL32-C30-V

 0.5m (1.64ft)
 3-way 90° corner vertical
 3.8kg (8.38lbs)






TL32-T35-H

 0.5m (1.64ft)
 3-way horizontal T-junction
 3.2kg (7.05lbs)






TL32-T35-V

 0.5m (1.64ft)
 3-way vertical T-junction
 3.2kg (7.05lbs)






TL32-C41-H

 0.5m (1.64ft)
 4-way horizontal cross junction
 3.8kg (8.38lbs)






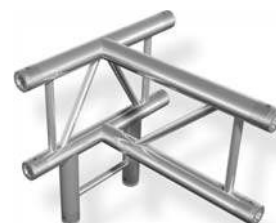
TL32-C41-V

 0.5m (1.64ft)
 4-way vertical cross junction
 4kg (8.82lbs)






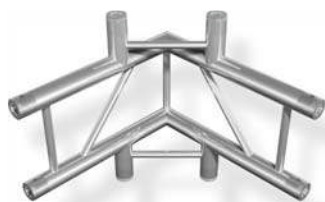
TL32-T42-H

 0.5m (1.64ft)
 4-way horizontal T-junction
 4.4kg (9.70lbs)



TL32-T42-V

 0.5m (1.64ft)
 4-way vertical T-junction
 4.4kg (9.70lbs)



TL32-C44-V



0.5m (1.64ft)
4-way 90° corner vertical
4.4kg (9.70lbs)

CIRCLES



TL32-CH



Circle horizontal
various diameters



TL32-CV



Circle vertical
various diameters

