



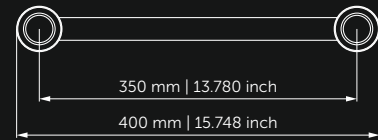
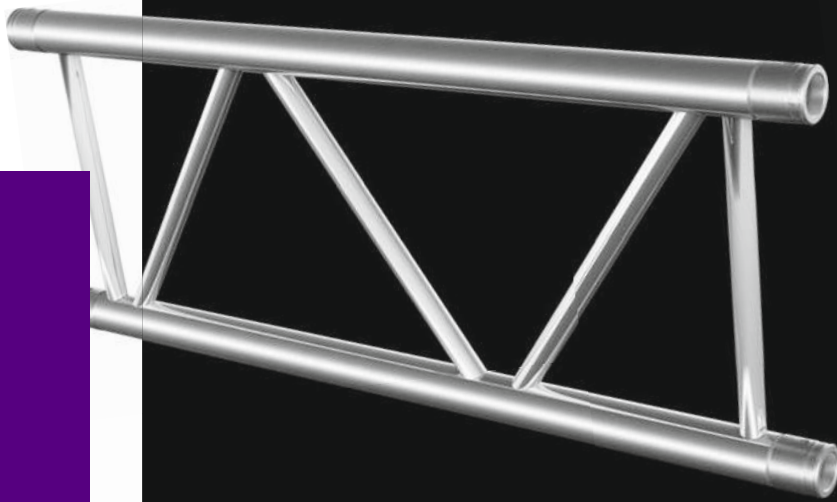
TRUSSLITE™

QUICK, INNOVATIVE & VERSATILE

TRUSSLITE TL42

QUICKLOCK LINE

TL42 double



SPECIFICATIONS

TUBES	50x2mm (2 x 0.08inch)
BRACES	25x3mm (1 x 0.12inch)
ALLOY	EN-AW 6082 T6

STRAIGHT SEGMENT LENGTHS

CODE	LENGTH		WEIGHT		DESCRIPTION
TL42-50	0.5m	1.64ft	1.8kg	3.97lbs	straight segment
TL42-75	0.75m	2.46ft	2.83kg	6.23lbs	straight segment
TL42-100	1m	3.28ft	3kg	6.61lbs	straight segment
TL42-150	1.5m	4.92ft	4.58kg	10.08lbs	straight segment
TL42-200	2m	6.56ft	5kg	11.02lbs	straight segment
TL42-250	2.5m	8.20ft	6.1kg	13.45lbs	straight segment
TL42-300	3m	9.84ft	7.1kg	15.65lbs	straight segment
TL42-350	3.5m	11.48ft	9.15kg	20.13lbs	straight segment
TL42-400	4m	13.12ft	9.1kg	20.06lbs	straight segment
TL42-450	4.5m	14.76ft	11.4kg	25.08lbs	straight segment
TL42-500	5m	16.40ft	11kg	24.25lbs	straight segment



LOADING TABLES

	2m	4m	6m	8m	10m	12m	14m	16m
Distrib. Load [kg/m]	500	315	150	82	52	34	24	18
Deflection [mm]	2.3	11.7	23.2	39.6	61.6	85.5	115.3	152.8
Point load [kg]	1000	650	440	330	250	210	170	140
Deflection [mm]	3.2	9.2	18.9	32.8	48.9	72.4	96.4	124.6
	6.56ft	13.12ft	19.68ft	26.24ft	32.81ft	37.37ft	45.93ft	52.49ft
Distrib. Load [lb/ft]	335.9	211.6	100.8	55.1	34.9	22.8	16.2	12.1
Deflection [inch]	0.1	0.46	1	1.6	2.4	3.4	4.5	6
Point load [lb]	2204.5	1433	970	727.5	551	462.9	374.8	308.5
Deflection [inch]	0.1	0.4	0.7	1.3	1.9	2.8	3.8	4.9

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



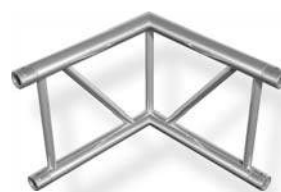
CORNERS

TL42-C19-V

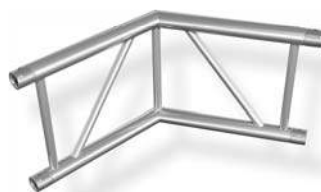
0.5m (1.64ft)
 2-way 45° corner vertical
 3.8kg (8.38lbs)


TL42-C20-V

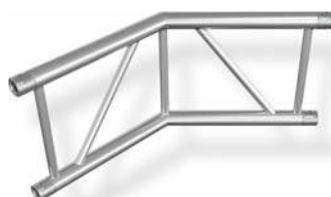
0.5m (1.64ft)
 2-way 60° corner vertical
 3.8kg (8.38lbs)


TL42-C21-V

0.5m (1.64ft)
 2-way 90° corner vertical
 2.8kg (6.17lbs)


TL42-C22-V

0.5m (1.64ft)
 2-way 120° corner vertical
 3.2kg (7.05lbs)


TL42-C23-V

0.5m (1.64ft)
 2-way 135° corner vertical
 3.2kg (7.05lbs)

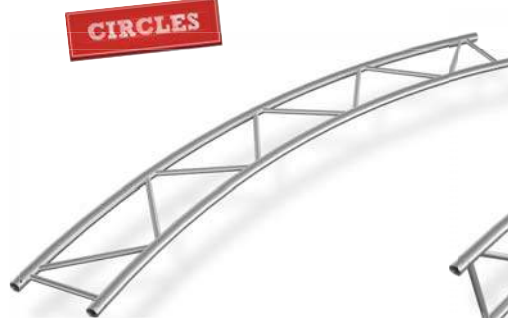

TL42-T35-V

0.5m (1.64ft)
 3-way vertical T-junction
 3.8kg (8.38lbs)

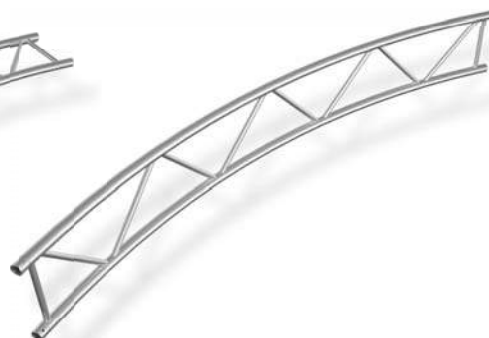
CIRCLES

TL42-C41-V

0.5m (1.64ft)
 4-way vertical cross junction
 4.5kg (9.92lbs)


TL42-CH

Circle horizontal
 various diameters


TL42-CV

Circle vertical
 various diameters