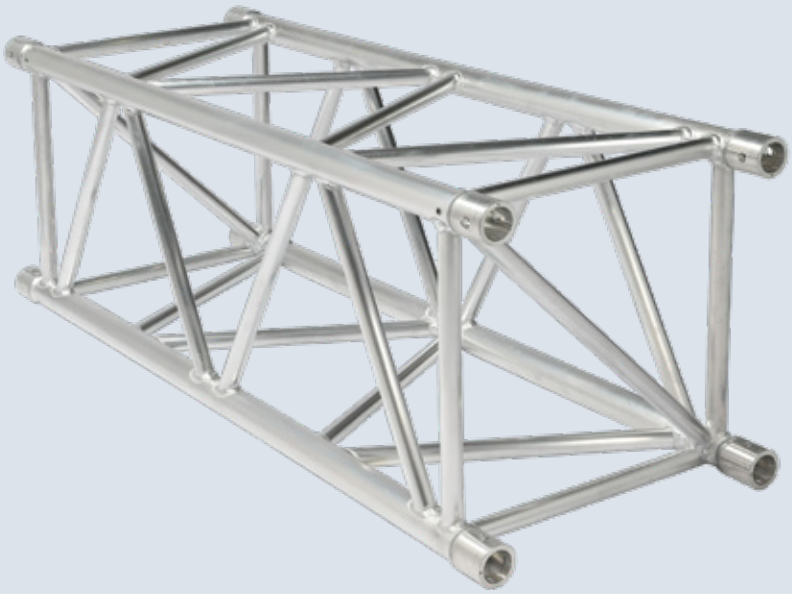
LT QC52S truss

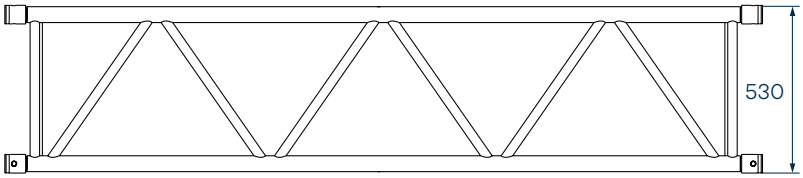


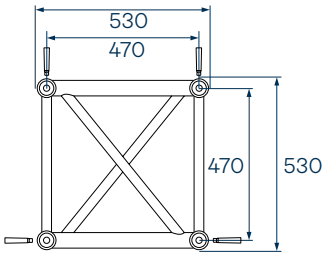
QC52S Series truss is designed with main chords (50 × 4 mm) and diagonals (30 × 3 mm), using the proven conical coupling system.
LITEC supplies an extensive variety of QC52S series truss elements for maximum flexibility — from standard and custom-made lengths to circles, arches, and multiple corner types.
Each piece reflects the brand's passion for innovation and customer-focused design.

QC52S Series - Standard available Lengths and Codes

Metres	Feet	Code	Metres	Feet	Code
0.50	1.64	LT QC52S050	2.00	6.56	LT QC52S200
0.60	1.97	LT QC52S060	2.40	7.87	LT QC52S240
0.80	2.62	LT QC52S080	2.50	8,20	LT QC52S250
1.00	3.28	LT QC52S100	3.00	9.84	LT QC52S300
1.20	3.94	LT QC52S120	3.20	10.50	LT QC52S320
1.50	4.92	LT QC52S150	3.50	11.48	LT QC52S350
1.60	5.25	LT QC52S160	4.00	13.12	LT QC52S400

Type	Alloy	Main Chords	Diagonal Members	Connector
Square	EN AW 6082 T6	50 × 4 mm	30 × 3 mm	CK-0026





Load table - LT QC52S truss

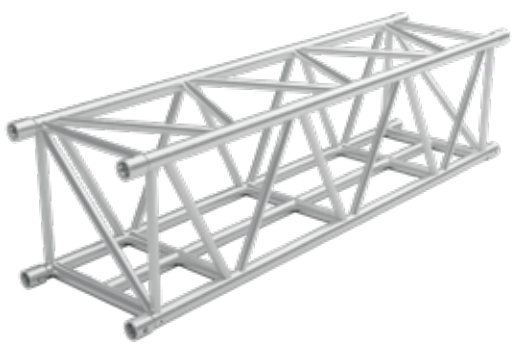
						MAXIMUM ALLOWABLE POINT LOADS										
		Uniformly Distributed Load				Centre Point Load				Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fourth Points Load per Point		
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9.8	1880.2	1265.1	5	0.2	2946.1	6501.9	4	0.2	1863.5	4112.8	1410.7	3113.4	1144.2	2525.2	45.0
4	13.1	1406.8	946.6	9	0.4	2505.6	5529.8	7	0.3	1584.5	3496.9	1239.4	2735.3	1028.6	2270.1	60.0
5	16.4	1122.7	755.5	15	0.6	2179.5	4810.2	12	0.5	1384.5	3055.5	1109.0	2447.6	927.3	2046.5	75.0
6	19.7	933.4	628.0	21	0.8	1925.9	4250.5	17	0.7	1245.2	2748.1	1013.9	2237.7	846.0	1867.2	90.0
7	23.0	686.7	462.1	29	1.1	1722.6	3801.8	23	0.9	1129.9	2493.8	932.5	2058.1	752.1	1660.0	105.0
8	26.2	522.6	351.7	37	1.5	1555.6	3433.2	30	1.2	1032.8	2279.4	862.0	1902.4	675.9	1491.6	120.0
9	29.5	410.1	275.9	47	1.9	1415.7	3124.5	38	1.5	949.7	2096.1	800.1	1765.8	612.6	1351.9	135.0
10	32.8	329.6	221.8	59	2.3	1296.6	2861.6	47	1.8	877.7	1937.1	725.7	1601.6	559.1	1233.9	150.0
11	36.1	270.1	181.7	71	2.8	1193.7	2634.6	57	2.2	814.5	1797.6	661.8	1460.7	513.2	1132.6	165.0
12	39.4	224.8	151.2	84	3.3	1103.8	2436.1	67	2.7	758.6	1674.1	607.0	1339.7	473.3	1044.6	180.0
13	42.6	189.5	127.5	99	3.9	1024.4	2260.8	79	3.1	708.6	1563.8	559.3	1234.4	438.3	967.3	195.0
14	45.9	161.6	108.7	115	4.5	953.6	2104.5	92	3.6	663.6	1464.5	517.3	1141.8	407.2	898.7	210.0
15	49.2	139.0	93.5	132	5.2	889.9	1964.0	105	4.1	622.7	1374.4	480.1	1059.5	379.4	837.3	225.0
16	52.5	120.5	81.1	150	5.9	832.3	1836.8	120	4.7	585.5	1292.1	446.7	985.9	354.3	781.9	240.0
17	55.8	105.2	70.8	169	6.7	779.7	1720.8	135	5.3	551.3	1216.7	416.6	919.4	331.5	731.6	255.0
18	59.0	92.4	62.2	190	7.5	731.5	1614.5	152	6.0	519.7	1147.0	389.2	858.9	310.7	685.6	270.0
19	62.3	81.5	54.9	211	8.3	687.1	1516.5	169	6.7	490.4	1082.4	364.1	803.7	291.5	643.4	285.0
20	65.6	72.3	48.6	234	9.2	646.0	1425.7	187	7.4	463.2	1022.2	341.1	752.9	273.8	604.4	300.0

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Tüv certification only valid for loading table above.
- Loading figures are only valid for static loads.
- Loading figures are only valid for single spans with supports at both ends.
- All static systems, other than single spans, need an individual structural calculation.
- Loading figures are calculated according to and in full compliance with European standards (Eurocode).
- The self-weight of the trusses is already taken into account.
- Loading figures are only valid for the cross-sectional orientation of the truss as shown by the icon in the loading table.
- The interaction between bending moment and shear force at the connection point is already taken into account.
- Truss spans can be assembled from different truss lengths.
- Read the manual before assembling, using, and loading the truss.

QCS52SB - Middle beam Truss - Lengths and Codes

Metres	Feet	Code
0.50	1.64	LT QC52SB050
1.00	3.28	LT QC52SB100
1.50	4.92	LT QC52SB150
2.00	6.56	LT QC52SB200
2.50	8.20	LT QC52SB250
3.00	9.84	LT QC52SB300





CK-0026

Stand alone connector (EGG),
Litec Series S52,



CK-0027

Litec Series S 52 × 452
Spiggot: No clip



CK-0028

Litec Series S 52 × 452 M12
Thread Spiggot: No clip



CK-0029

Stand alone R-Spring



CK-0021

Half Connector Model L02,
30 mm offset, M16



CK-0018

Receiver model M51 L = 80mm,
16 mm hole



CK-0019

Bolt M16×035 DIN933



CK-0020

Washer M16 spring DIN127B



CK-0022

BLT M16×60 LOWH SOCKET
HEAD 8.8 DIN7984



CK-0023

WSHR M16 DIN125A ELV



CK-0024

NUT M16 SLFLCK DIN985



CK-0025

BLT M 16 × 40 CNTSNK INBUS



CK-0010

NUT M12 SLFLCK DIN985
- 50 PCS



LT QC52SS000M2

Litec Series S 52 cm Spacer
2 mm



LT QC52SS000M5

Litec Series S 52 cm Spacer
5 mm



LT QC52SS001

Litec Series S 52 cm Spacer
10 mm



LT QC52SS001M5

Litec Series S 52 cm Spacer
15 mm



LT QC52SS002

Litec Series S 52 cm Spacer
20 mm



LT QC52SS002M5

Litec Series S 52 cm Spacer
25 mm



LT QC52SS003

Litec Series S 52 cm Spacer
30 mm



LT QC52SS003M5

Litec Series S 52 cm Spacer
35 mm



LT QC52SS004

Litec Series S 52 cm Spacer
40 mm



LT QC52SS004M5

Litec Series S 52 cm Spacer
45 mm



LT QC52SS005

Litec Series S 52 cm Spacer
50 mm

Complements & Box Corners

Complementary elements are available to interface your QC52S truss in the best possible way. Box corners ensure flexibility, strength, and the reliability that LITEC is known for.



LT BC52SQ

Litec Series S 52 cm Baseplate Square 52 V: Inc conn pack

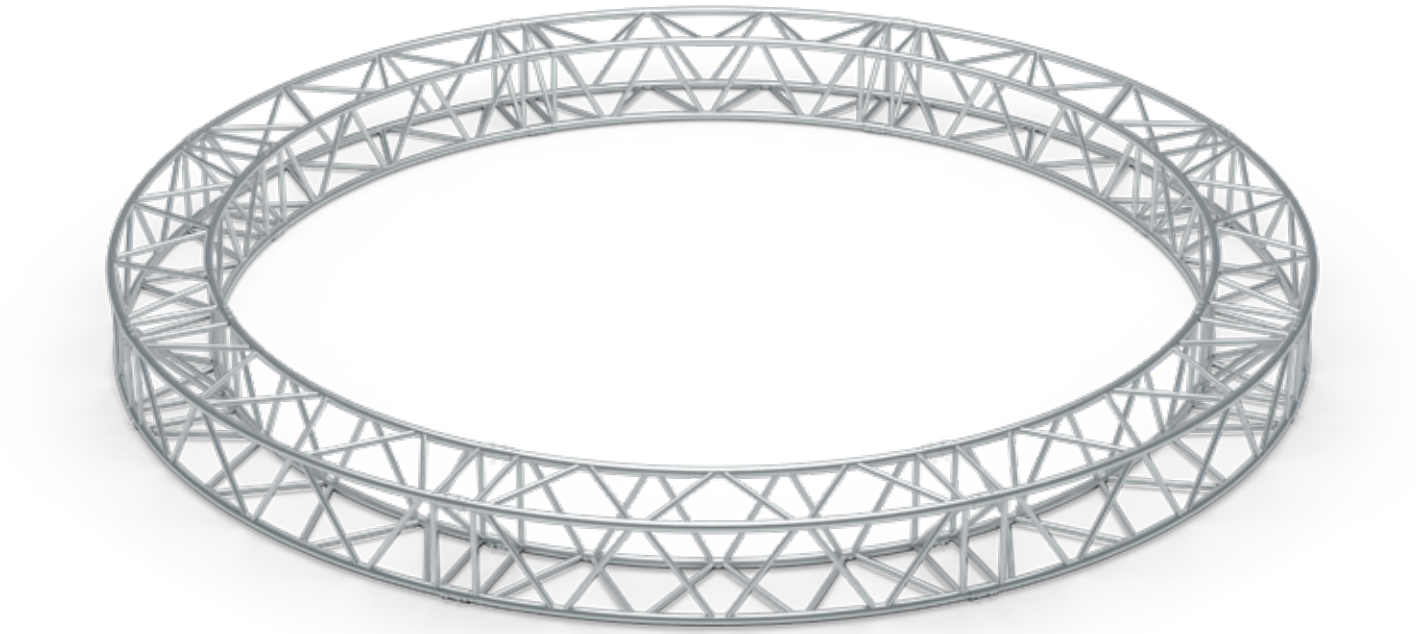


LT QC52SK8

Litec Series S 52 cm Box Corner Square

Circles

Circles, arcs, curves, and ellipses are part of the QC52S system.
The table below lists standard available diameters. Additional diameters can be manufactured on request (minimum diameter: two metres). Curves and ellipses are also produced on demand, offering creative freedom to every stage designer.



Code	Ø cm	Description
LT QC52SC-001	300	Litec Series S 52 cm Square truss arc 1.5 mtr radius 90° angle
LT QC52SC-002	400	Litec Series S 52 cm Square truss arc 2.0 mtr radius 90° angle
LT QC52SC-003	500	Litec Series S 52 cm Square truss arc 2.5 mtr radius 90° angle
LT QC52SC-004	600	Litec Series S 52 cm Square truss arc 3.0 mtr radius 45° angle
LT QC52SC-005	700	Litec Series S 52 cm Square truss arc 3.5 mtr radius 45° angle
LT QC52SC-006	800	Litec Series S 52 cm Square truss arc 4.0 mtr radius 45° angle
LT QC52SC-007	900	Litec Series S 52 cm Square truss arc 4.5 mtr radius 30° angle
LT QC52SC-008	1000	Litec Series S 52 cm Square truss arc 5.0 mtr radius 30° angle
LT QC52SC-009	1200	Litec Series S 52 cm Square truss arc 6.0 mtr radius 30° angle
LT QC52SC-010	1400	Litec Series S 52 cm Square truss arc 7.0 mtr radius 22.5° angle
LT QC52SC-011	1500	Litec Series S 52 cm Square truss arc 7.5 mtr radius 22.5° angle