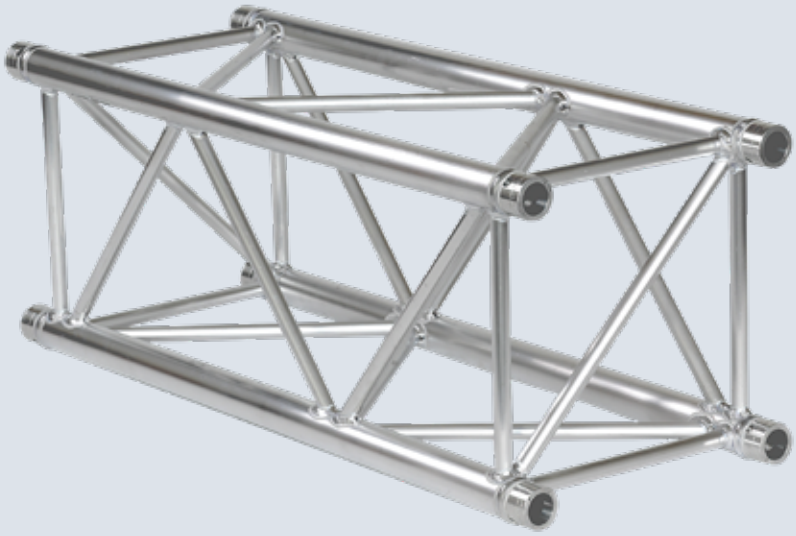
LT QC40S truss



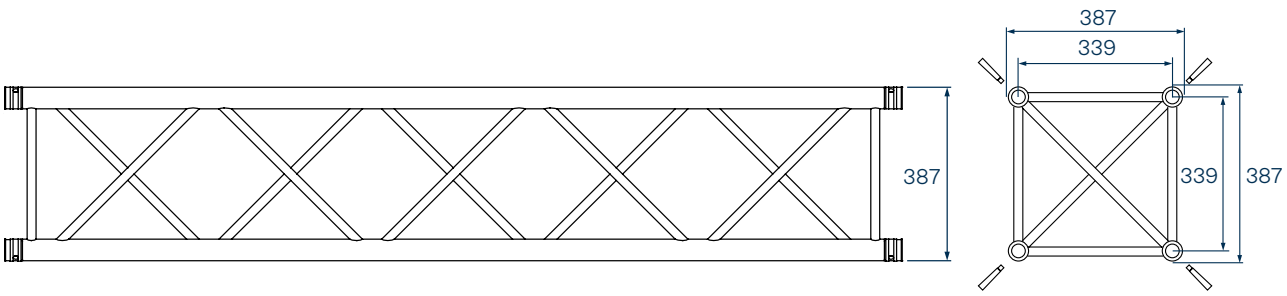
QC40S Series truss is constructed of main chords (48 × 3 mm) and diagonals (20 × 2 mm), using the trusted coupling system.
LITEC supplies a wide variety of QC40S series truss elements for maximum flexibility — standard or custom-made lengths, circles, arches, and a wide selection of corners. Custom-made solutions are available on request, reflecting LITEC's spirit of design without compromise.

QC40S Series - Standard available Lengths and Codes

Metres	Feet	Code
0.21	0.69	LT QC40S021
0.25	0.82	LT QC40S025
0.29	0.95	LT QC40S029
0.50	1.64	LT QC40S050
0.75	2.46	LT QC40S075
0.81	2.65	LT QC40S081

Metres	Feet	Code
1.00	3.28	LT QC40S100
1.50	4.92	LT QC40S150
2.00	6.56	LT QC40S200
2.50	8.20	LT QC40S250
3.00	9.84	LT QC40S300
3.50	11.48	LT QC40S350
4.00	13.12	LT QC40S400

Type	Alloy	Main Chords	Diagonal Members	Connector
Square	EN AW 6082 T6	48 × 3 mm	20 × 2 mm	CK-0014



Load table - LT QC40S truss

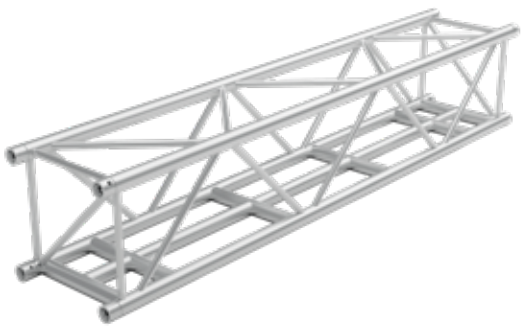
						MAXIMUM ALLOWABLE POINT LOADS										
SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		DEFLECTION		Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9.8	835.4	562.1	7	0.3	2198.9	4853.1	6	0.2	1253.2	2765.8	835.4	1843.8	626.6	1382.9	20.7
4	13.1	625.0	420.6	13	0.5	1712.4	3779.2	10	0.4	1215.1	2681.7	833.4	1839.3	625.0	1379.5	27.6
5	16.4	498.8	335.6	20	0.8	1435.8	3168.9	16	0.6	994.0	2193.8	815.2	1799.1	623.5	1376.0	34.5
6	19.7	414.6	279.0	29	1.1	1234.4	2724.4	23	0.9	851.7	1879.7	676.0	1492.0	529.7	1169.0	41.4
7	23.0	354.5	238.5	40	1.6	1080.9	2385.6	32	1.2	753.5	1663.0	585.0	1291.2	462.0	1019.6	48.3
8	26.2	277.5	186.7	52	2.0	959.8	2118.3	41	1.6	674.7	1489.0	514.7	1136.0	409.1	902.8	55.2
9	29.5	218.0	146.7	65	2.6	861.7	1901.7	52	2.1	609.9	1346.1	458.7	1012.3	366.4	808.7	62.1
10	32.8	175.4	118.0	81	3.2	780.4	1722.3	65	2.5	555.7	1226.4	412.9	911.3	331.2	731.0	69.0
11	36.1	143.9	96.8	98	3.8	711.8	1570.9	78	3.1	509.5	1124.6	374.7	827.0	301.7	665.8	75.9
12	39.4	119.9	80.7	116	4.6	653.1	1441.4	93	3.7	469.7	1036.7	342.3	755.5	276.5	610.2	82.8
13	42.6	101.2	68.1	137	5.4	602.2	1328.9	109	4.3	435.0	960.0	314.4	693.9	254.7	562.1	89.7
14	45.9	86.4	58.2	158	6.2	557.5	1230.3	127	5.0	404.3	892.3	290.1	640.3	235.6	519.9	96.6
15	49.2	74.5	50.1	182	7.2	517.9	1143.0	146	5.7	377.0	832.1	268.8	593.1	218.7	482.7	103.5
16	52.5	64.7	43.5	207	8.1	482.5	1064.9	166	6.5	352.5	778.0	249.8	551.2	203.7	449.6	110.4
17	55.8	56.6	38.1	234	9.2	450.7	994.7	187	7.4	330.4	729.2	232.7	513.7	190.2	419.7	117.3
18	59.0	49.8	33.5	262	10.3	421.8	931.0	210	8.3	310.3	684.8	217.4	479.7	178.0	392.8	124.2
19	62.3	44.1	29.7	292	11.5	395.5	872.8	233	9.2	291.9	644.1	203.4	448.9	166.8	368.2	131.1
20	65.6	39.2	26.4	323	12.7	371.3	819.5	259	10.2	274.9	606.7	190.7	420.8	156.6	345.7	138.0

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.

QC40SB - Middle beam Truss - Lengths and Codes

Metres	Feet	Code
1.00	3.28	LT QC40SB100
1.50	4.92	LT QC40SB150
2.00	6.56	LT QC40SB200
2.50	8.20	LT QC40SB250
3.00	9.84	LT QC40SB300



Connections

QC40S



CK-0014

Stand alone connector (EGG), Litec Series S 30/40



CK-0007

Half Connector Model M02, 19 mm offset, M12



CK-0011

Litec Series S 30/40cm Spiggot: No clip



CK-0012

Litec Series S 30/40 cm M8 Thread Spiggot :No clip



CK-0015

Stand alone R-CLIP (1000 pcs)



CK-0016

Coupler 600 for Base 30/40 M12



CK-0001

Receiver model M51 L = 75 mm, 12 mm hole



CK-0004

Receiver model M53 L = 105mm, 12 mm hole



CK-0005

Half Connector Model M52S, 0 mm offset, M12



CK-0010

Nut M12 - DIN985



CK-0003

Washer M12 Spring DIN127B



CK-0017

BLT M12×20 CNTSNK INBUS



CK-0006

Bolt M12×025 DIN7984 Low head



CK-0002

Bolt M12×035 DIN933



CK-0008

Bolt M12x050 DIN933



CK-0009

Bolt M12×60, Lowh socket, head 8.8 DIN7984



CK-0013

Nut M8, DIN985 - 50pcs



LT QCSS000M2

Litec Series S 30/40cm Spacer 2 mm



LT QCSS000M5

Litec Series S 30/40cm Spacer 5 mm



LT QCSS001

Litec Series S 30/40cm Spacer 10 mm



LT QCSS001M5

Litec Series S 30/40cm Spacer 15 mm



LT QCSS002

Litec Series S 30/40cm Spacer 20 mm



LT QCSS002M5

Litec Series S 30/40cm Spacer 25 mm



LT QCSS003

Litec Series S 30/40cm Spacer 30 mm



LT QCSS003M5

Litec Series S 30/40cm Spacer 35 mm



LT QCSS004

Litec Series S 30/40cm Spacer 40 mm



LT QCSS004M5

Litec Series S 30/40cm Spacer 45 mm



LT QCSS005

Litec Series S 30/40cm Spacer 50 mm

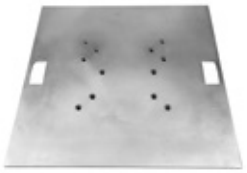
Complements

A wide set of complementary elements is available to ensure your QC40S truss integrates perfectly with any project.



LT BC3040SUR

Litec Series S 30/40cm Baseplate Steel 800 × 10 mm Round Galvanised



LT BC3040SU

Litec Series S 30/40cm Baseplate Steel 800 × 800 × 10 mm Square Galvanised



LT BC3040SUR-01

Litec Series S 30/40cm Baseplate Steel 800 × 10 mm Round Black Coated



LT BC3040SU-01

Litec Series S 30/40cm Baseplate Steel 800 × 800 × 10 mm Square Black Coated



LT BC40SQ

Litec Series S 40 cm Baseplate Square 40V: Inc conn pack



LT BC40ST

Litec Series S 40 cm Baseplate Triangle 40D: Inc conn pack



LT BC40SF

Litec Series S 40 cm Baseplate Ladder 40L: Inc conn pack



LT QC40SL2ADJ

Litec Series S 40 cm Baseplate Triangle 40D: Inc conn pack



LT QC40SK8-A02

Litec series S 40 cm Box corner extension (Long)



LT QC40SK8-A01

Litec series S 40 cm Box corner extension

Box Corners

Box corners provide unmatched versatility, offering 2-way to 6-way connections within a single unit. Their integral structural strength ensures reliable performance, making them a key solution for demanding set-ups.



LT FC40SK2

Litec Series S 40 cm Box Corner Ladder



LT QC40SK8

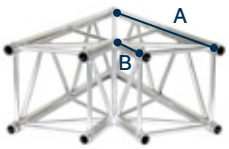
Litec Series S 40 cm Box Corner Square

Corners

QC40S 

From standard angles to custom designs, the QC40S system offers corners tailored for maximum adaptability and performance.

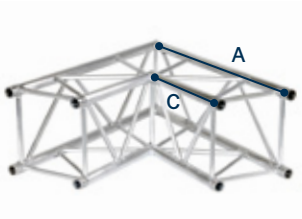
Square Corners								
measurements in mm	A	B	C	D	E	F	G	H
QC40S	1200	258	525	600	210	376	439	810



Code

LT QC40SL2045

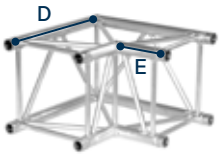
Litec Series S 40 cm Square Corner
2-way 045 degrees



Code

LT QC40SL2060

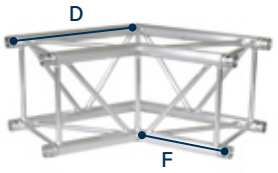
Litec Series S 40 cm Square Corner
2-way 060 degrees



Code

LT QC40SL2090

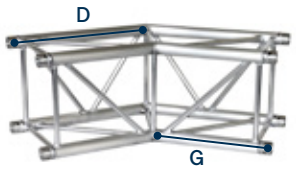
Litec Series S 40 cm Square Corner
2-way 090 degrees



Code

LT QC40SL2120

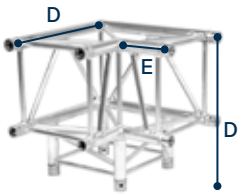
Litec Series S 40 cm Square Corner
2-way 120 degrees



Code

LT QC40SL2135

Litec Series S 40 cm Square Corner
2-way 135 degrees



Code

LT QC40SL3

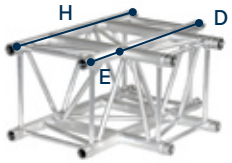
Litec Series S 40 cm Square Corner
3-way 90 degrees



Code

LT QC40ST3

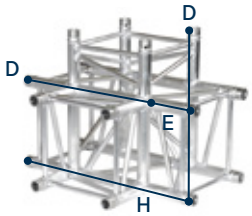
Litec Series S 40 cm Square Corner
3-way T Joint



Code

LT QC40ST4

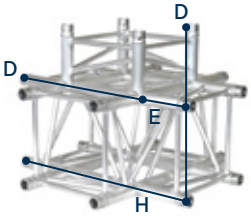
Litec Series S 40 cm Square Corner
4-way T Joint



Code

LT QC40SX4

Litec Series S 40 cm Square Corner
4-way Cross



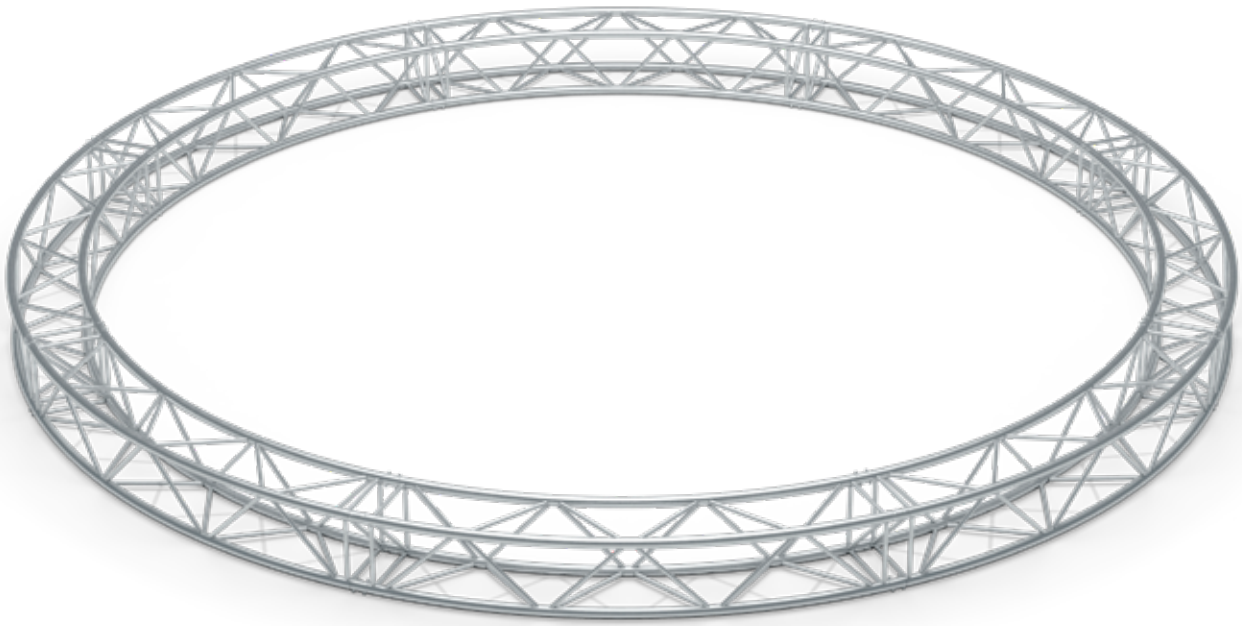
Code

LT QC40SX5

Litec Series S 40 cm Square Corner
5-way Cross

Circles

Circles, arcs, curves, and ellipses form part of the QC40S product line. Standard diameters are listed in the table below, but additional sizes are available upon request, with a minimum diameter of two metres. Custom curves and ellipses are also produced, reflecting LITEC's commitment to unique design needs.



Code	Ø cm	Description
LT QC40SC-001	200	Litec Series S 40 × 40 Square truss arc 1.0 mtr radius 90° angle
LT QC40SC-002	300	Litec Series S 40 × 40 Square truss arc 1.5 mtr radius 90° angle
LT QC40SC-003	400	Litec Series S 40 × 40 Square truss arc 2.0 mtr radius 90° angle
LT QC40SC-004	500	Litec Series S 40 × 40 Square truss arc 2.5 mtr radius 45° angle
LT QC40SC-005	600	Litec Series S 40 × 40 Square truss arc 3.0 mtr radius 45° angle
LT QC40SC-006	350	Litec Series S 40 × 40 Square truss arc 1.75 mtr radius 45° angle
LT QC40SC-007	800	Litec Series S 40 × 40 Square truss arc 4.0 mtr radius 45° angle
LT QC40SC-008	1000	Litec Series S 40 × 40 Square truss arc 5.0 mtr radius 30° angle
LT QC40SC-009	1200	Litec Series S 40 × 40 Square truss arc 6.0 mtr radius 30° angle
LT QC40SC-010	1400	Litec Series S 40 × 40 Square truss arc 7.0 mtr radius 22.5° angle
LT QC40SC-011	1500	Litec Series S 40 × 40 Square truss arc 7.5 mtr radius 22.5° angle