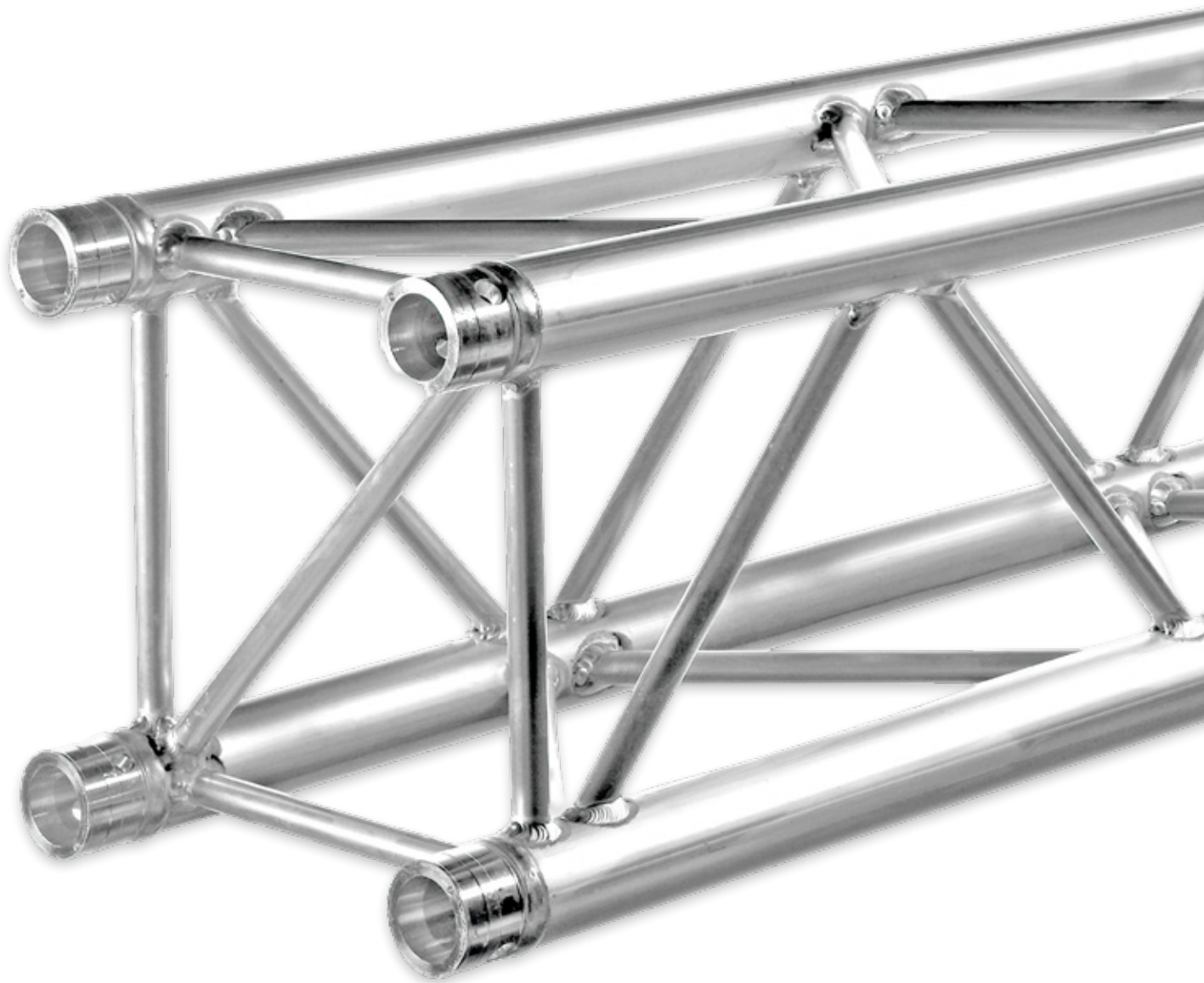




THE **S** SERIES

The S Series Truss



Quality

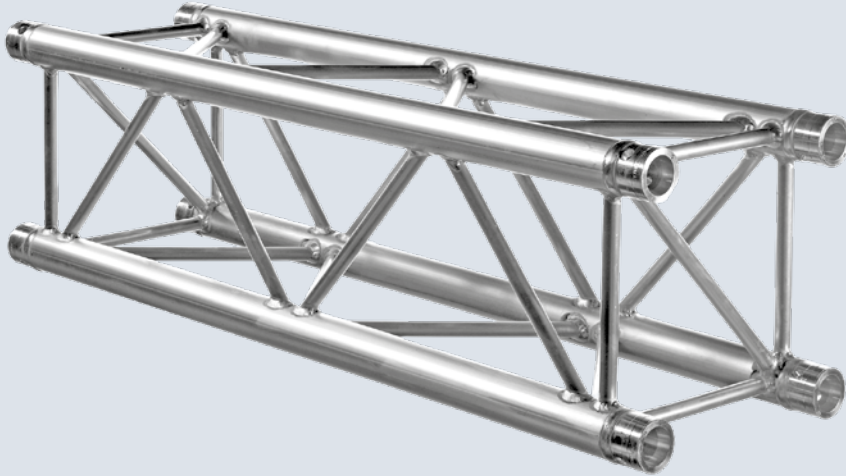
LITEC offers a vast and complete range of trusses, which includes the series with end plates, the truss line provided with conical connection, the LIBERA System and the High Load Trusses with forked connections, in order to meet the needs of operators in various different sectors. Trusses are aesthetically pleasing, light and robust and are used where structures have to be built for hanging lights, equipment, false ceiling, etc. To provide the right solution for every situation, with the most suitable product.

The S Series Trusses

LTQC30S Truss	2
Connections	
Complements	
Box Corners	
Corners	
Circles	
LTQC40S Truss	8
Connections	
Complements	
Box Corners	
Corners	
Circles	
LT QC52S Truss	14
Connections	
Complements & Box Corners	
Circles	
Armor Safety Helmet	19



LT QC30S truss



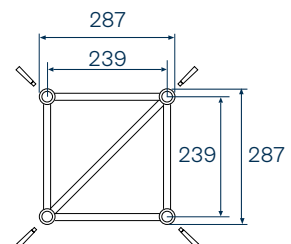
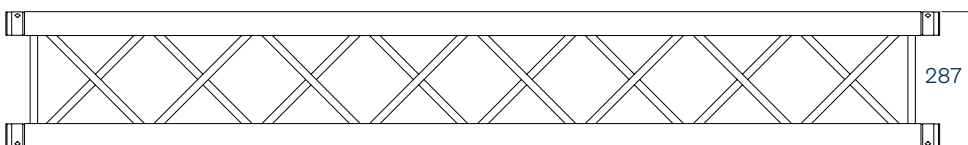
QC30S Series truss is built with main chords (48 × 3 mm) and diagonals (16 × 2 mm), using the reliable conical coupling system.

LITEC offers a wide selection of QC30S series truss elements that ensure maximum flexibility — from standard or custom-made lengths to circles, arches, and multiple corner types. Each element is designed with the unmistakable Italian attention to detail and engineered for seamless integration.

QC30S Series - Standard available Lengths and Codes

Metres	Feet	Code	Metres	Feet	Code
0.21	0.69	LT QC30S021	1.00	3.28	LT QC30S100
0.25	0.82	LT QC30S025	1.50	4.92	LT QC30S150
0.29	0.95	LT QC30S029	2.00	6.56	LT QC30S200
0.50	1.64	LT QC30S050	2.50	8.20	LT QC30S250
0.71	2.33	LT QC30S071	3.00	9.84	LT QC30S300
0.75	2.46	LT QC30S075	3.50	13.12	LT QC30S400

Type	Alloy	Main Chords	Diagonal Members	Connector
Square	EN AW 6082 T6	48 × 3 mm	16 × 2 mm	CK-0014



Load table - LT QC30S truss

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
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9,8	649,0	436,7	10	0,4	1667,9	3681,0	8	0,3	973,4	2148,4	649,0	1432,2	486,7	1074,2	18,9
4	13,1	485,3	326,5	18	0,7	1298,1	2864,9	15	0,6	932,1	2057,2	647,1	1428,1	485,3	1071,1	25,2
5	16,4	387,1	260,5	28	1,1	1074,2	2370,9	23	0,9	749,1	1653,3	581,1	1282,5	469,0	1035,1	31,5
6	19,7	321,6	216,4	41	1,6	914,4	2018,2	33	1,3	644,7	1422,8	488,7	1078,6	389,3	859,3	37,8
7	23,0	255,6	172,0	56	2,2	794,4	1753,2	45	1,8	564,8	1246,5	420,7	928,6	337,3	744,4	44,1
8	26,2	194,4	130,8	73	2,9	700,6	1546,3	58	2,3	501,6	1107,0	368,5	813,3	296,9	655,2	50,4
9	29,5	152,4	102,5	92	3,6	625,2	1379,9	74	2,9	450,2	993,7	327,0	721,8	264,5	583,8	56,7
10	32,8	122,3	82,3	114	4,5	563,2	1242,9	91	3,6	407,6	899,5	293,2	647,1	238,0	525,2	63,0
11	36,1	100,1	67,4	137	5,4	511,0	1127,8	110	4,3	371,5	820,0	265,1	585,0	215,7	476,1	69,3
12	39,4	83,2	56,0	164	6,5	466,5	1029,6	131	5,2	340,6	751,7	241,2	532,3	196,8	434,3	75,6
13	42,6	70,1	47,2	192	7,6	428,0	944,6	154	6,1	313,7	692,4	220,7	487,0	180,5	398,3	81,9
14	45,9	59,6	40,1	223	8,8	394,3	870,2	178	7,0	290,1	640,2	202,8	447,5	166,2	366,8	88,2
15	49,2	51,2	34,5	256	10,1	364,5	804,3	205	8,1	269,1	593,8	187,0	412,8	153,6	338,9	94,5
16	52,5	44,3	29,8	291	11,5	337,8	745,5	233	9,2	250,3	552,3	173,0	381,9	142,3	314,1	100,8
17	55,8	38,6	26,0	328	12,9	313,8	692,5	263	10,4	233,3	514,9	160,4	354,1	132,2	291,8	107,1
18	59,0	33,8	22,8	368	14,5	292,0	644,5	295	11,6	217,9	480,8	149,1	329,0	123,1	271,6	113,4
19	62,3	29,8	20,0	410	16,1	272,2	600,7	328	12,9	203,7	449,6	138,7	306,2	114,7	253,2	119,7
20	65,6	26,3	17,7	454	17,9	253,9	560,4	364	14,3	190,7	420,9	129,3	285,3	107,1	236,3	126

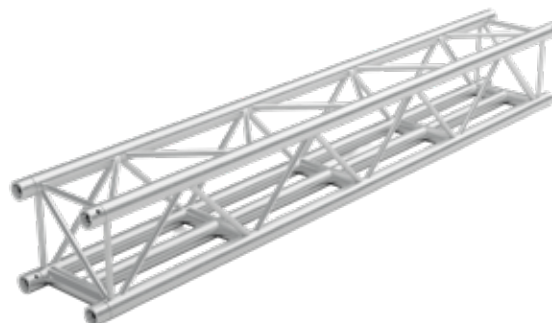
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- 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.



QC30SB - Middle beam Truss - Lengths and Codes

Metres	Feet	Code
1.00	3.28	LT QC30SB100
1.50	4.92	LT QC30SB150
2.00	6.56	LT QC30SB200
2.50	8.20	LT QC30SB250
3.00	9.84	LT QC30SB300





Connections

QC30S



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
Spigot: No clip



CK-0012

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



CK-0015

Stand alone R-CLIP (1000 pcs)



CK-0016

Half Connector Model M49,
9 mm offset, M12



CK-0001

Receiver model M51 L = 75 mm,
12 mm hole



CK-0004

Receiver model M53 L = 105 mm,
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 M12x20 CNTSNK INBUS



CK-0006

Bolt M12x025 DIN7984
Low head



CK-0002

Bolt M12x035 DIN933



CK-0008

Bolt M12x050 DIN933



CK-0009

Bolt M12x60, Low 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



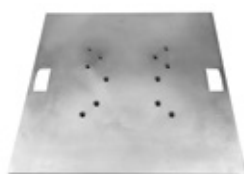
Complements

A full range of complementary elements is available as standard to help you interface your QC30S truss in the most efficient way, always with the LITEC philosophy of synergy and adaptability.



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 BC30SQ

Litec Series S 30 cm Baseplate Square
30V: Inc conn pack



LT BC30ST

Litec Series S 30 cm Baseplate Triangle
30D: Inc conn pack



LT BC30SF

Litec Series S 30cm Baseplate Ladder
30L: Inc conn pack



LT QC30SL2ADJ

Litec Series S 30 cm Book Corner
Triangle/Square



LT QC30SK8-A02

Litec series S 30 cm Box corner extension
(Long)



LT QC30SK8-A01

Litec series S 30 cm Box corner extension



Box Corners

Box corners are the ultimate flexible solution, offering 2-way to 6-way connections within a single unit. By adding extra prepared connections, the corner type adapts precisely to your needs. Thanks to their inherent structural strength, box corners guarantee optimum loading performance in any type of construction.



LT FC30SK2

Litec Series S 30 cm Box Corner Ladder

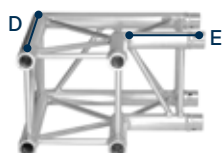


LT QC30SK8

Litec Series S 30 cm Box Corner Square

A broad range of corner elements is available for the QC30S system. Standard corners come in a variety of opening angles. Here we present the most commonly used, with additional custom solutions available on request.

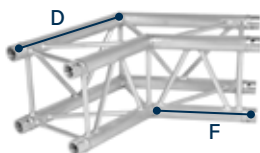
Square Corners								
measurements in mm	A	B	C	D	E	F	G	H
QC30S	1000	300	498	500	210	333	380	710



Code

LT QC30SL2090

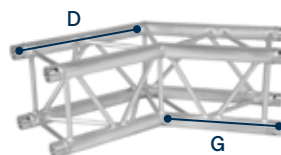
Litec Series S 30 cm Square Corner
2-way 090 degrees



Code

LT QC30SL2120

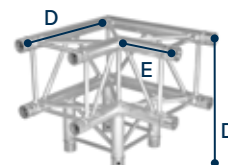
Litec Series S 30 cm Square Corner
2-way 120 degrees



Code

LT QC30SL2135

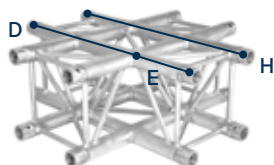
Litec Series S 30 cm Square Corner
2-way 135 degrees



Code

LT QC30SL3

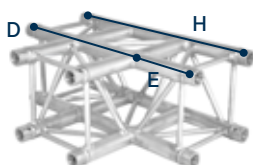
Litec Series S 30 cm Square Corner
3-way 090 degrees



Code

LT QC30SX4

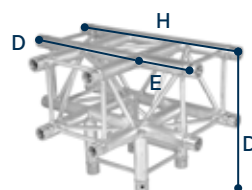
Litec Series S 30 cm Square Corner
4-way Cross



Code

LT QC30ST3

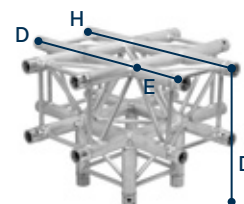
Litec Series S 30 cm Square Corner
3-way T Joint



Code

LT QC30ST4

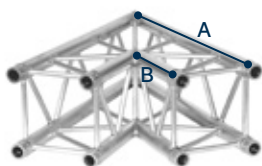
Litec Series S 30 cm Square Corner
4-way T Joint



Code

LT QC30SX5

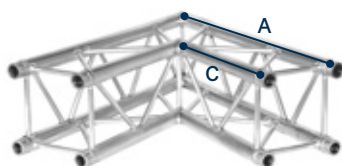
Litec Series S 30 cm Square Corner
5-way Cross



Code

LT QC30SL2045

Litec Series S 30 cm Square Corner
2-way 045 degrees



Code

LT QC30SL2060

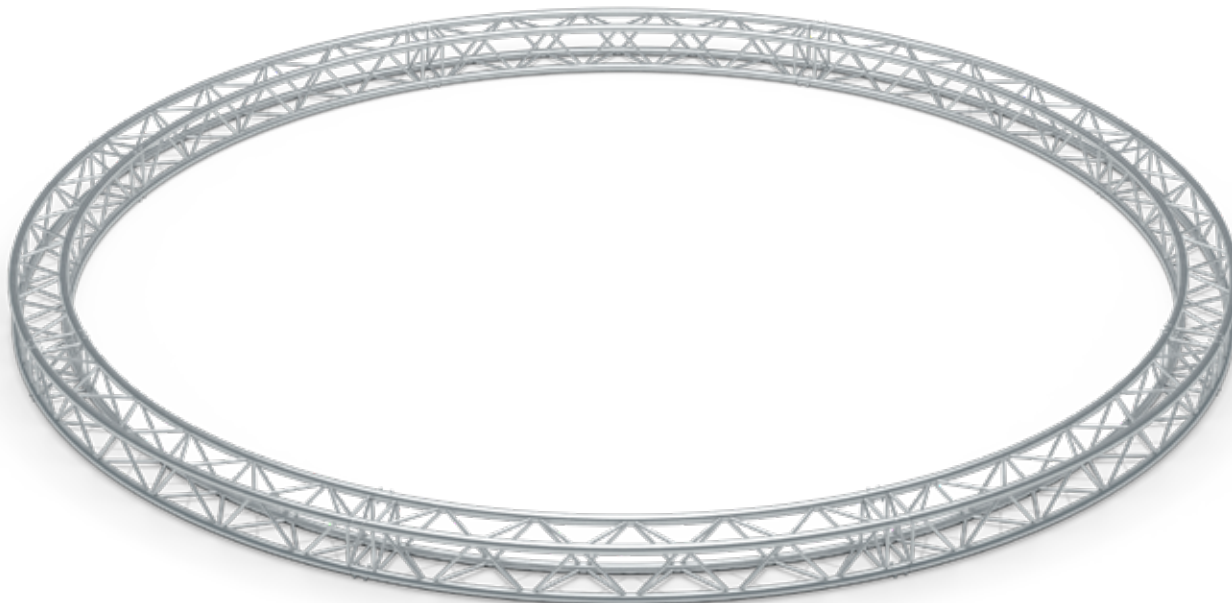
Litec Series S 30 cm Square Corner
2-way 060 degrees



Circles

Circles, arcs, curves, and ellipses are integral parts of the QC30S range.

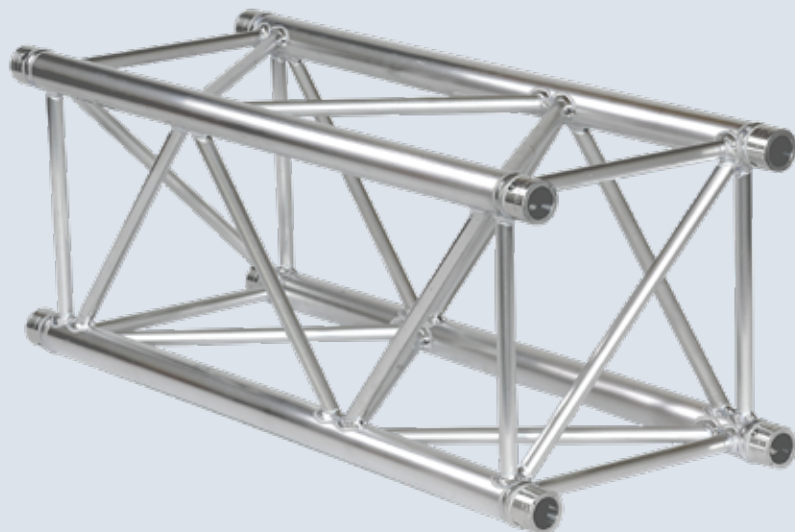
The table below lists the standard codes of circular elements already available. We also manufacture circles in any other diameter (minimum diameter: two metres). Curves and ellipses are produced on request, offering you limitless design possibilities.



Code	Ø cm	Description
LT QC30SC-001	200	Litec Series S 30 × 30 Square truss arc 1 mtr radius 90° angle
LT QC30SC-002	300	Litec Series S 30 × 30 Square truss arc 1.5 mtr radius 90° angle
LT QC30SC-003	400	Litec Series S 30 × 30 Square truss arc 2 mtr radius 90° angle
LT QC30SC-004	500	Litec Series S 30 × 30 Square truss arc 2.5 mtr radius 45° angle
LT QC30SC-005	600	Litec Series S 30 × 30 Square truss arc 3 mtr radius 45° angle
LT QC30SC-006	700	Litec Series S 30 × 30 Square truss arc 3.5 mtr radius 45° angle
LT QC30SC-007	800	Litec Series S 30 × 30 Square truss arc 4 mtr radius 45° angle
LT QC30SC-008	1000	Litec Series S 30 × 30 Square truss arc 5 mtr radius 30° angle
LT QC30SC-009	1200	Litec Series S 30 × 30 Square truss arc 6 mtr radius 30° angle
LT QC30SC-010	1400	Litec Series S 30 × 30 Square truss arc 7 mtr radius 22.5° angle
LT QC30SC-011	1500	Litec Series S 30 × 30 Square truss arc 7.5 mtr radius 22.5° angle



LT QC40S truss



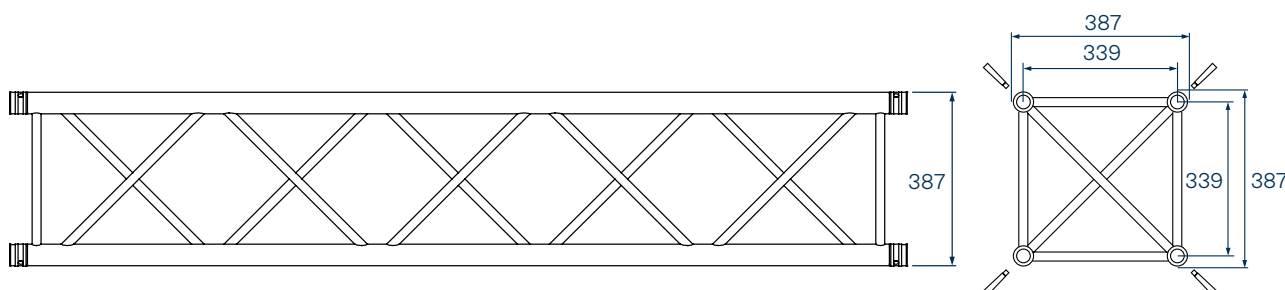
QC40S Series truss is constructed of main chords (48 × 3 mm) and diagonals (20 × 2 mm), using the trusted coupling system.

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	Metres	Feet	Code
0.21	0.69	LT QC40S021	1.00	3.28	LT QC40S100
0.25	0.82	LT QC40S025	1.50	4.92	LT QC40S150
0.29	0.95	LT QC40S029	2.00	6.56	LT QC40S200
0.50	1.64	LT QC40S050	2.50	8.20	LT QC40S250
0.75	2.46	LT QC40S075	3.00	9.84	LT QC40S300
0.81	2.65	LT QC40S081	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

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
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

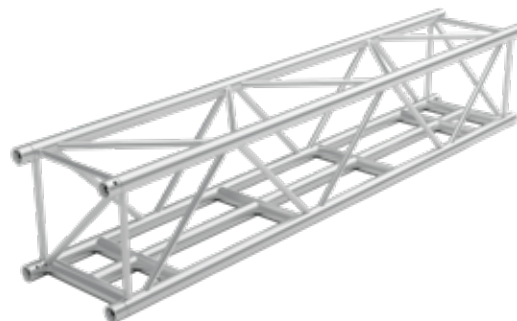
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- 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

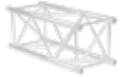
Metres	Feet	Code
1.00	3.28	LT QC40SB100
1.50	4.92	LT QC40SB150
2.00	6.56	LT QC40SB200
2.50	8.20	LT QC40SB250
3.00	9.84	LT QC40SB300





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 M12x20 CNTSNK INBUS



CK-0006

Bolt M12x025 DIN7984
Low head



CK-0002

Bolt M12x035 DIN933



CK-0008

Bolt M12x050 DIN933



CK-0009

Bolt M12x60, Low 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



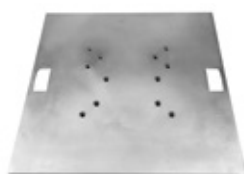
Complements

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

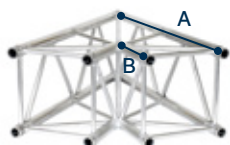


LT QC40SK8

Litec Series S 40 cm Box Corner Square

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

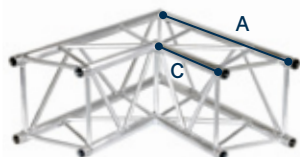
Square Corners								
measurements in mm	A	B	C	D	E	F	G	H
QC40S	1200	258	525	600	210	376	439	810



Code

LT QC40SL2045

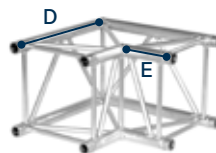
Litec Series S 40 cm Square Corner
2-way 045 degrees



Code

LT QC40SL2060

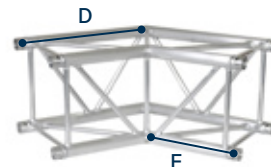
Litec Series S 40 cm Square Corner
2-way 060 degrees



Code

LT QC40SL2090

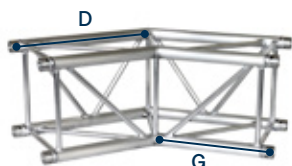
Litec Series S 40 cm Square Corner
2-way 090 degrees



Code

LT QC40SL2120

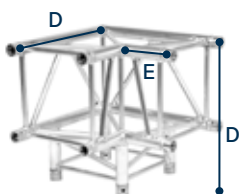
Litec Series S 40 cm Square Corner
2-way 120 degrees



Code

LT QC40SL2135

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



Code

LT QC40SL3

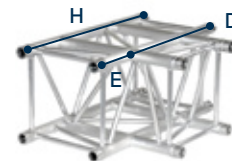
Litec Series S 40 cm Square Corner
3-way 90 degrees



Code

LT QC40ST3

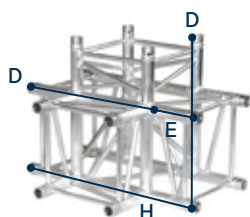
Litec Series S 40 cm Square Corner
3-way T Joint



Code

LT QC40ST4

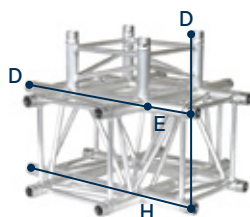
Litec Series S 40 cm Square Corner
4-way T Joint



Code

LT QC40SX4

Litec Series S 40 cm Square Corner
4-way Cross



Code

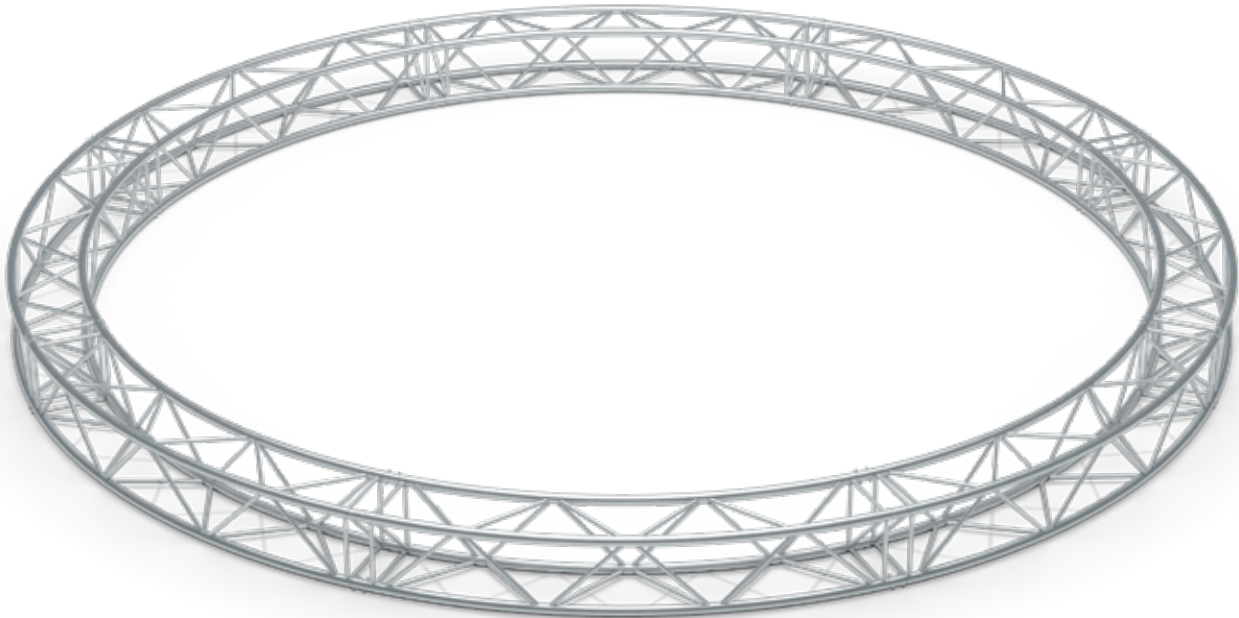
LT QC40SX5

Litec Series S 40 cm Square Corner
5-way Cross



Circles

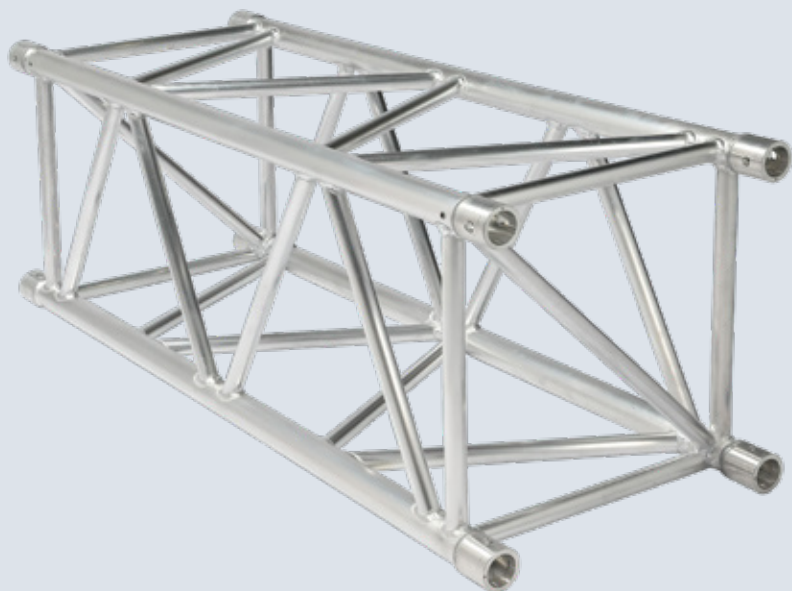
Circles, arcs, curves, and ellipses form part of the QC40S product line. Standard diameters are listed in the table below, but additional sizes are available upon request, with a minimum diameter of two metres. Custom curves and ellipses are also produced, reflecting LITEC’s commitment to unique design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



LT QC52S truss



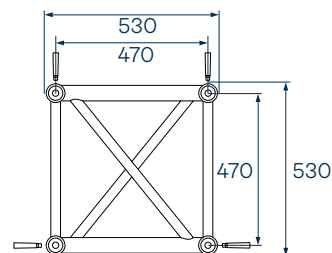
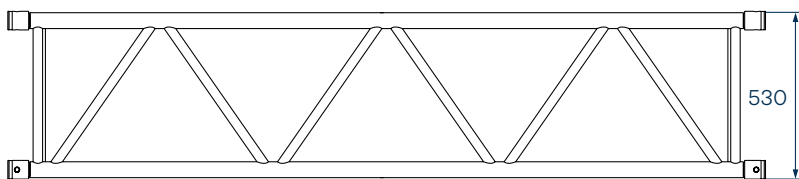
QC52S Series truss is designed with main chords (50 × 4 mm) and diagonals (30 × 3 mm), using the proven conical coupling system.

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

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 Fourth Points Load per Point		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

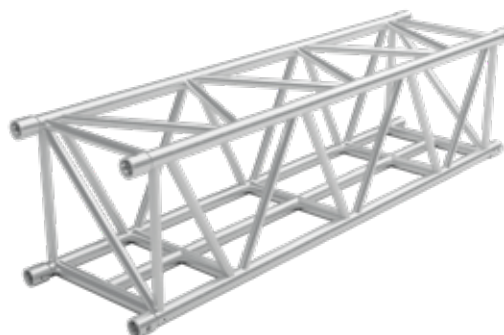
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Tuv 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





Connections

QC52S



CK-0026

Stand alone connector (EGG),
Litec Series S52,



CK-0027

Litec Series S 52 × 452
Spigot: No clip



CK-0028

Litec Series S 52 × 452 M12
Thread Spigot: 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



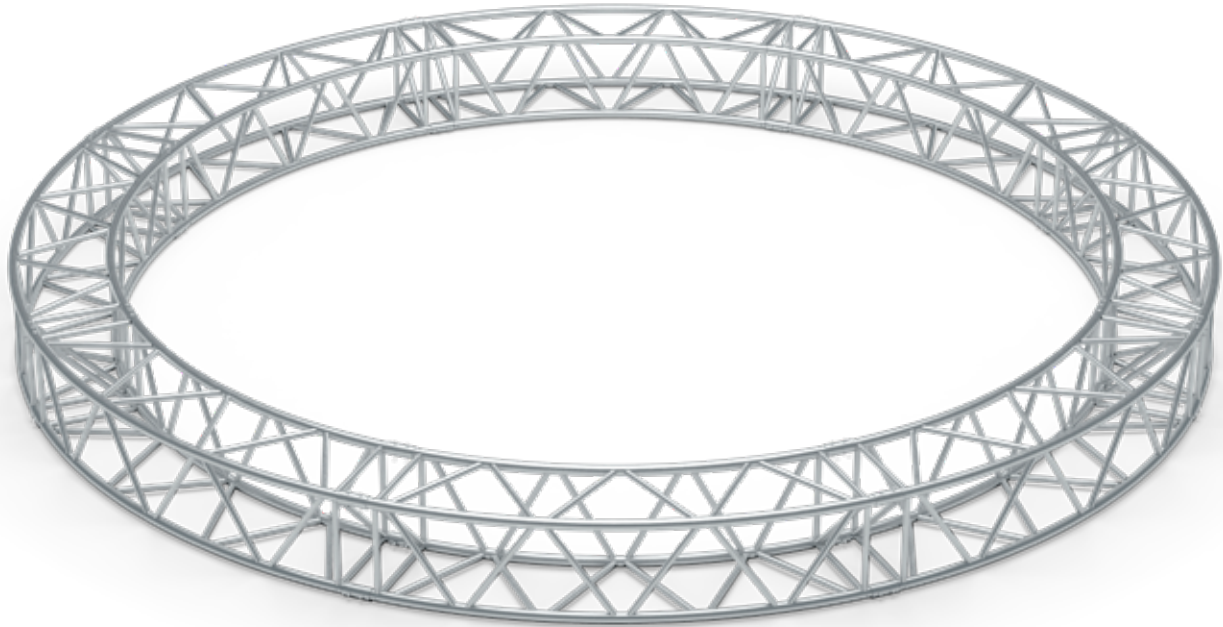
LT QC52SK8

Litec Series S 52 cm Box Corner Square



Circles, 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



RIGGING ACCESSORIES

ARMOR SAFETY HELMET



CODE: LT SHARMK-LO1P

CERTIFICATION: EN 397

WEIGHT: 430g

SIZE: 53-63 mm adjustable

MATERIAL: PP - Polypropylene

COLOR: BLACK

- Adaptive fit system 53-63 size – engineered to offer a customised fit for all users.
- GUDO dial adjustment for perfect head-fitting control – the ability to ensure a comfortable and secure fit for maximum comfort and security.
- Ventilation holes and channels for breathable comfort especially in prolonged periods of wear.
- Ring to hook and lateral adjustment divider.
- Sleek webbing suspension system with removable padding for washing and hygiene.
- Equipped with buckle safety release for chin-strap.





CODE: LT SHARMG-LO1P

CERTIFICATION: EN 397

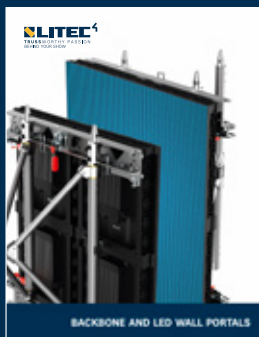
WEIGHT: 430g

SIZE: 53-63 mm adjustable

MATERIAL: PP - Polypropylene

COLOR: GREY





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