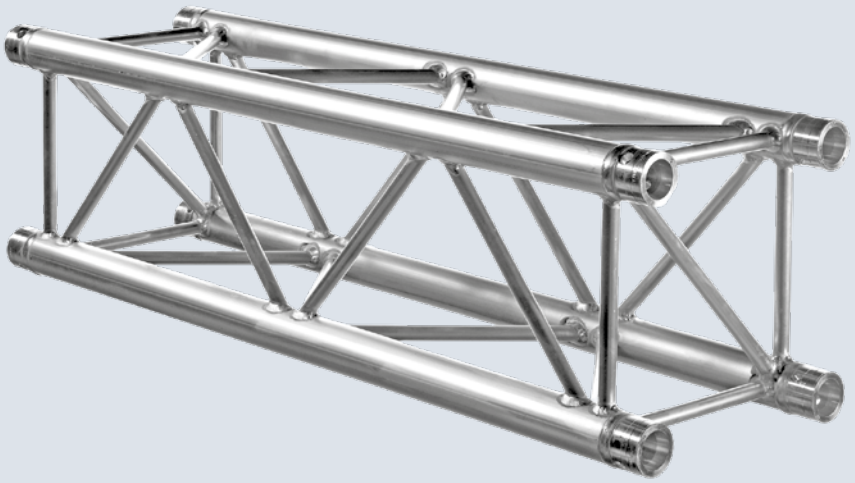
LT QC30S truss

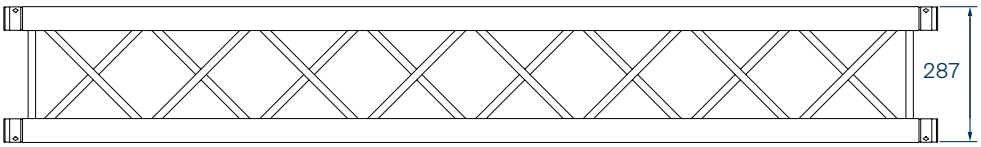


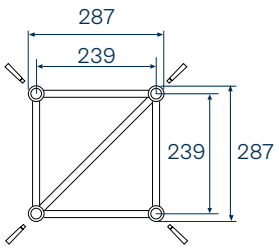
QC30S Series truss is built with main chords (48 × 3 mm) and diagonals (16 × 2 mm), using the reliable conical coupling system.
LITEC offers a wide selection of QC30S series truss elements that ensure maximum flexibility — from standard or custom-made lengths to circles, arches, and multiple corner types. 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

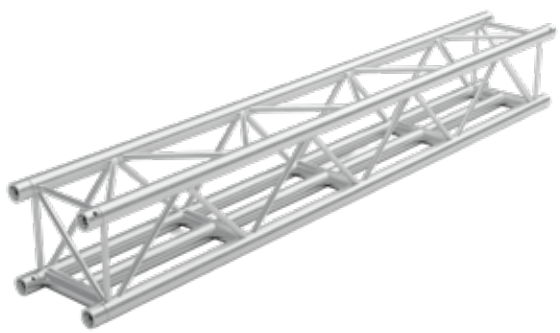
						MAXIMUM ALLOWABLE POINT LOADS										
SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		DEFLECTION		Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9,8	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



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

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 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 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

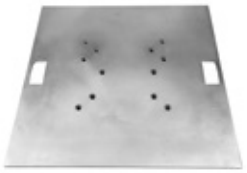
Complements

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

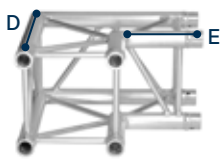
Litec Series S 30 cm Box Corner Square

Corners



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.

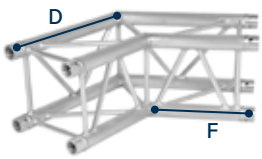
Square Corners								
measurements in mm	A	B	C	D	E	F	G	H
QC30S	1000	300	498	500	210	333	380	710



Code

LT QC30SL2090

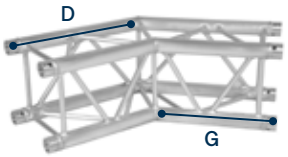
Litec Series S 30 cm Square Corner
2-way 090 degrees



Code

LT QC30SL2120

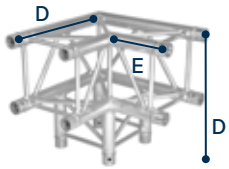
Litec Series S 30 cm Square Corner
2-way 120 degrees



Code

LT QC30SL2135

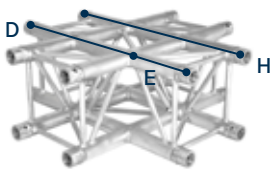
Litec Series S 30 cm Square Corner
2-way 135 degrees



Code

LT QC30SL3

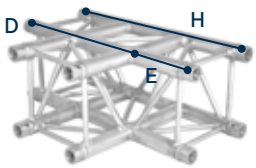
Litec Series S 30 cm Square Corner
3-way 090 degrees



Code

LT QC30SX4

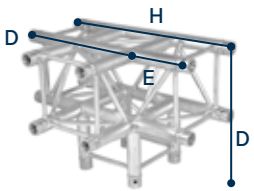
Litec Series S 30 cm Square Corner
4-way Cross



Code

LT QC30ST3

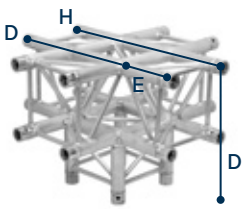
Litec Series S 30 cm Square Corner
3-way T Joint



Code

LT QC30ST4

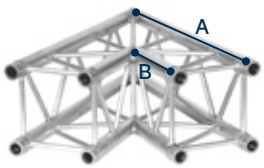
Litec Series S 30 cm Square Corner
4-way T Joint



Code

LT QC30SX5

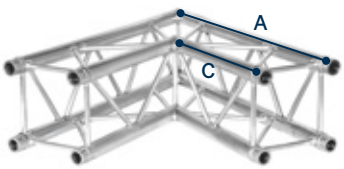
Litec Series S 30 cm Square Corner
5-way Cross



Code

LT QC30SL2045

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



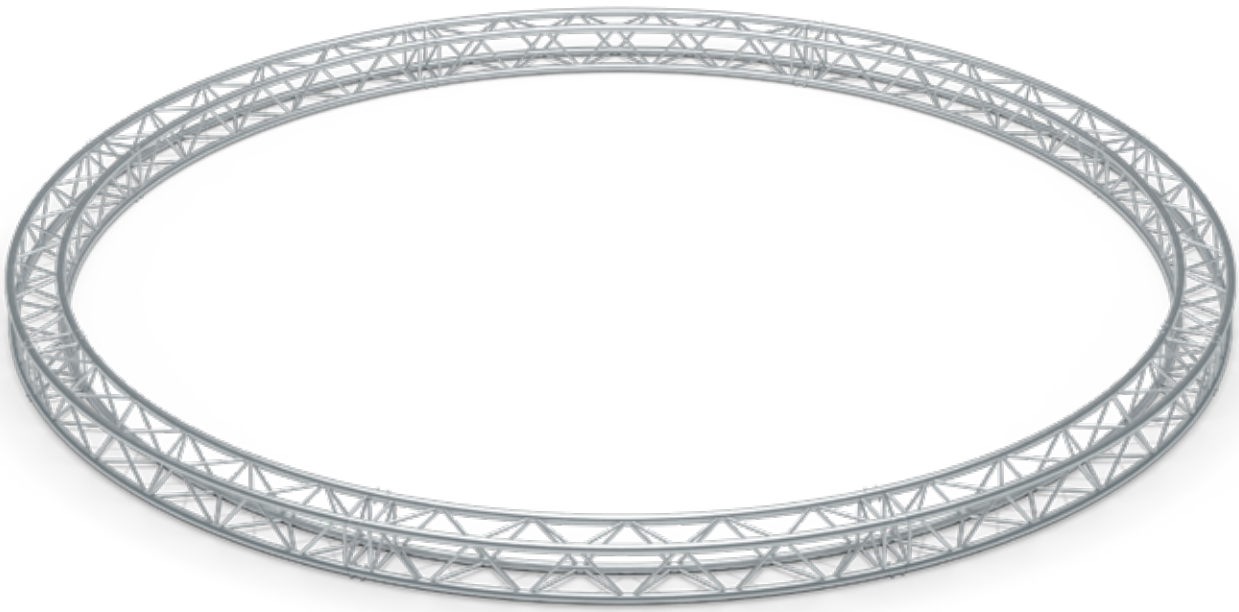
Code

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