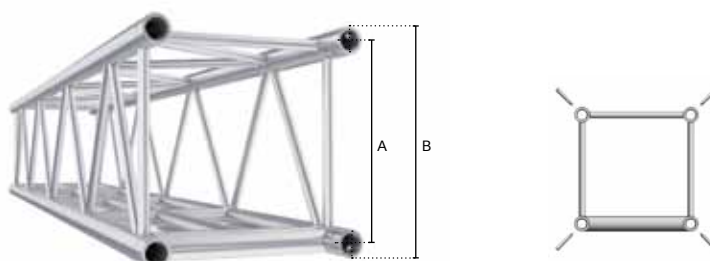


M390 LED

- Features a central bar for the safe, easy and balanced hanging of LED screens
- Available in 0.5m, 1m, 1.5m, 2m, 2.5m, 3m, 4m and 5m lengths
- Quick, simple and secure assembly
- Powder coat colour finish available on request
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps

QUATRO



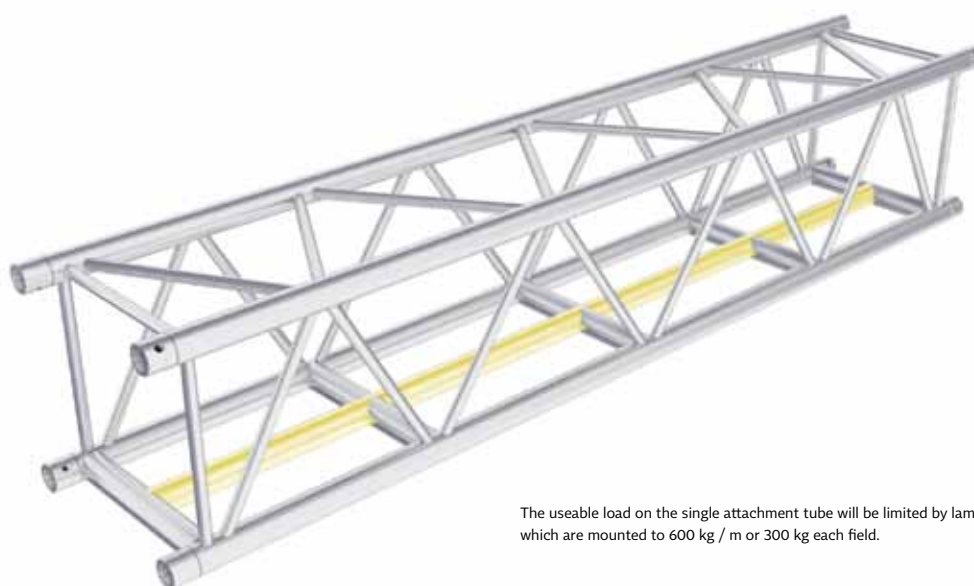
M390L

	Main Chords	Diagonals	Alloy	A	B	Coupler
QTL-LED	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
QTLF-LED	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCF

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
QUATRO	kg (lbs)	5.60 (12.34)	9.20 (20.28)	13.10 (28.88)	17.00 (37.47)	20.80 (45.85)	24.70 (54.45)	32.50 (71.65)	40.10 (88.40)

Connection material (pins/clips/couplers) and packaging are not included in above weights



The useable load on the single attachment tube will be limited by lamps/LED which are mounted to 600 kg / m or 300 kg each field.

M390 LED

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.68)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)
Centre Point Load (CPL)	kg (lbs)	2097.00 (4623.09)	1523.60 (3358.96)	1129.10 (2489.24)	889.20 (1960.35)	726.70 (1602.09)	608.40 (1340.41)	517.70 (1141.33)
Deflection	mm (in)	8.00 (0.31)	19.80 (0.78)	35.40 (1.39)	55.70 (2.12)	80.80 (3.18)	110.80 (4.36)	146.10 (5.75)
Third Point Load (TPL)	kg (lbs)	1333.00 (2938.76)	1051.00 (2317.05)	846.80 (1866.87)	666.90 (1470.26)	545.00 (1201.52)	456.30 (1005.97)	388.30 (856.05)
Deflection	mm (in)	8.70 (0.34)	23.30 (0.92)	44.90 (1.77)	70.30 (2.76)	101.40 (3.99)	138.20 (5.44)	180.90 (7.12)
Quarter Point Load (QPL)	kg (lbs)	925.60 (2040.59)	761.80 (1679.48)	564.50 (1244.51)	444.60 (980.17)	363.40 (801.15)	304.20 (670.64)	258.90 (570.77)
Deflection	mm (in)	8.40 (0.33)	23.50 (0.93)	41.80 (1.64)	65.50 (2.58)	94.70 (3.72)	129.30 (5.09)	169.60 (6.67)
Fifth Point Load (FPL)	kg (lbs)	694.20 (1530.00)	634.80 (1399.49)	470.40 (1037.05)	370.50 (816.81)	302.80 (667.56)	253.50 (558.87)	215.70 (475.53)
Deflection	mm (in)	8.00 (0.31)	24.90 (0.98)	44.30 (1.74)	69.30 (2.73)	100.00 (3.93)	136.50 (5.37)	178.70 (7.03)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	694.20 (466.50)	460.20 (309.30)	282.30 (189.70)	177.80 (119.50)	121.10 (81.40)	86.90 (58.40)	64.70 (42.50)
Deflection	mm (in)	6.60 (0.26)	22.40 (0.88)	44.00 (1.73)	68.80 (2.70)	99.30 (3.90)	135.50 (5.33)	177.40 (6.98)

The useable load on the single attachment tube will be limited by lamps/LED which are mounted to 600 kg / m or 300 kg each field. This load should not exceed the upper loads in the table!

CPL ↓ (Centre Point Load)	TPL ↓ ↓ (Third Point Load)	QPL ↓ ↓ ↓ (Quarter Point Load)	FPL ↓ ↓ ↓ ↓ (Fifth Point Load)	UDL ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ (Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis based on EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 and ANSI E1.2-2006 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used: self-weight 1.35 / variable loads 1.5				

