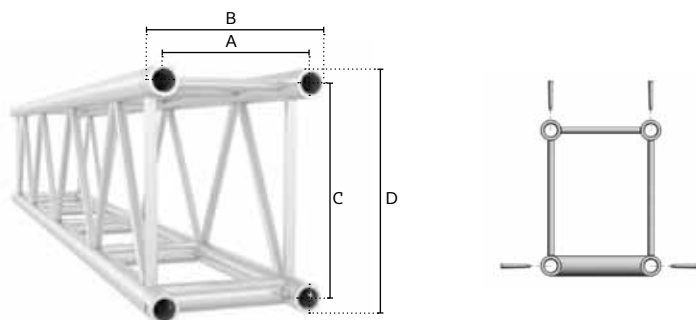


M290x390

- Parallel diagonals allow for M222 / M290 Trio truss to slip through
- Horizontal bracing at node points counteract horizontal force caused by slinging
- 48 mm bottom horizontal braces for trouble-free suspension of lighting fixtures
- 25% less transport volume compared to QTK
- Easy pin access due to horizontal positioning of pin holes at bottom tubes
- Compatible with 200/400/500/600 series cell clamps
- F & U version available

RECT



M290x390

RTL	mm	in	Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	C	D	Coupler
			48x3 (1.89x0.12)	20x2 (0.78x0.08)	48x3 (1.89x0.12)	EN - AW 6082 T6	240 (9.45)	290 (11.40)	340 (13.38)	390 (15.35)	CCB

M290x390 RECT

LOADING CHART

Span	m (ft)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)	10.00 (32.81)
Point load	kg (lbs)	1938.00 (4273.29)	1637.00 (3609.59)	1404.00 (3095.82)	1224.00 (2698.92)	1087.00 (2396.84)	970.00 (2138.85)	875.00 (1929.38)
Deflection	mm (in)	7.40 (0.29)	12.30 (0.48)	18.30 (0.71)	25.50 (0.99)	34.00 (1.33)	43.60 (1.70)	54.50 (2.13)
Two point load	kg (lbs)	1278.00 (2817.99)	1103.00 (2432.12)	973.00 (2145.47)	859.00 (1894.10)	773.00 (1704.47)	697.00 (1536.89)	630.00 (1389.15)
Deflection	mm (in)	8.30 (0.32)	14.00 (0.55)	21.50 (0.84)	30.30 (1.18)	41.00 (1.60)	53.00 (2.07)	66.20 (2.58)
Three point load	kg (lbs)	925.70 (204.117)	883.00 (1947.02)	755.00 (1664.78)	650.80 (1435.01)	566.20 (1248.47)	500.00 (1102.50)	446.70 (984.97)
Deflection	mm (in)	8.40 (0.33)	15.60 (0.61)	23.20 (0.90)	32.00 (1.25)	41.80 (1.63)	53.00 (2.07)	65.50 (2.55)
Four point load	kg (lbs)	694.30 (1530.93)	692.60 (1527.18)	604.00 (1331.82)	521.00 (1148.81)	462.00 (1018.71)	412.00 (908.46)	369.00 (813.65)
Deflection	mm (in)	8.00 (0.31)	15.60 (0.61)	23.70 (0.92)	32.60 (1.27)	43.40 (1.69)	55.60 (2.17)	68.60 (2.68)
Distrib. loading	kg (lbs)	694.30 (466.55)	554.10 (372.34)	460.50 (309.44)	371.90 (249.91)	283.10 (190.23)	222.20 (149.31)	178.70 (120.08)
Deflection	mm (in)	6.60 (0.26)	13.00 (0.51)	22.40 (0.87)	33.60 (1.31)	44.00 (1.72)	55.70 (2.17)	68.80 (2.68)

Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Point load	789.00 (1739.75)	724.00 (1596.42)	662.00 (1459.71)	614.20 (1354.31)	566.50 (1249.13)	524.30 (1156.08)	452.90 (998.64)	394.40 (869.65)
Deflection	66.20 (2.58)	79.80 (3.11)	94.00 (3.67)	110.50 (4.31)	127.30 (4.96)	145.50 (5.67)	185.90 (7.25)	232.00 (9.05)
Two point load	574.00 (1265.67)	532.00 (1173.06)	491.00 (1082.66)	451.00 (994.46)	421.00 (928.31)	393.30 (867.23)	339.70 (749.04)	295.80 (652.24)
Deflection	81.00 (3.16)	98.40 (3.84)	116.80 (4.56)	135.60 (5.29)	157.20 (6.13)	180.70 (7.05)	229.20 (8.94)	283.70 (11.06)
Three point load	402.70 (887.95)	365.80 (806.59)	334.30 (737.13)	307.10 (677.16)	283.30 (624.68)	262.20 (578.15)	226.50 (499.43)	197.20 (434.83)
Deflection	79.30 (3.09)	94.60 (3.69)	111.10 (4.33)	129.10 (5.03)	148.50 (5.79)	169.30 (6.60)	215.20 (8.39)	266.90 (10.41)
Four point load	335.60 (740.00)	304.90 (672.30)	278.60 (614.31)	255.90 (564.26)	236.00 (520.38)	218.50 (481.79)	188.70 (416.08)	164.30 (362.28)
Deflection	83.90 (3.27)	100.00 (3.90)	117.40 (4.58)	136.30 (5.32)	156.70 (6.11)	178.50 (6.96)	226.50 (8.83)	280.40 (10.94)
Distrib. loading	146.40 (98.38)	121.90 (81.91)	102.90 (69.15)	87.70 (58.93)	75.50 (50.73)	65.50 (44.01)	50.30 (33.80)	39.40 (26.48)
Deflection	83.30 (3.25)	99.20 (3.87)	116.60 (4.55)	135.30 (5.28)	155.60 (6.07)	177.20 (6.91)	224.90 (8.77)	278.50 (10.86)

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)	3.50 (11.48)	4.00 (13.12)
RECT	kg (lbs)	4.50 (9.92)	7.70 (16.98)	10.90 (24.03)	14.10 (32.85)	17.30 (38.14)	20.50 (45.20)	23.70 (52.25)	26.90 (59.31)

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



All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 all loading data should be multiplied by 0.85 • For any other application or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self weight 1.35 / loading 1.5

