Photo: Prolyte, Prolight + Sound

LSU SERIES - LED SCREEN SUPPORT UNIVERSAL SERIES

MIDDLE BEAM TRUSS

If you want to fly your LED system, you have the choice of two truss types. All of these trusses are equipped with a middle beam.
- H40V-MB
- S52SV-MB

Both truss types are fully compatible with the regular truss H40V/S52 series and can be combined in one grid.
The extra middle beam in the bottom surface will guarantee safe and easy suspension of your LED wall. Keeping the total load in the middle of your truss section, thereby avoiding unbalanced loading or using the truss in a diamond shape.

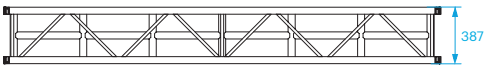
H40V-MB

H40 MB Series truss is constructed of main chords (48 x 3 mm) and diagonals (20 x 2 mm). Equipped with the CCS6 conical coupling system, the H40 MB truss is fast and easy to assemble. The H40 offers extra strength, next to its flexible application possibilities and is the ideal solution for the event or exhibition market.

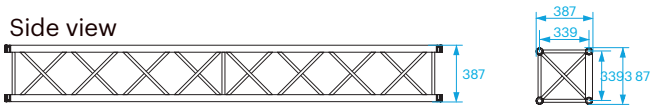
Advantages of H40V-MB

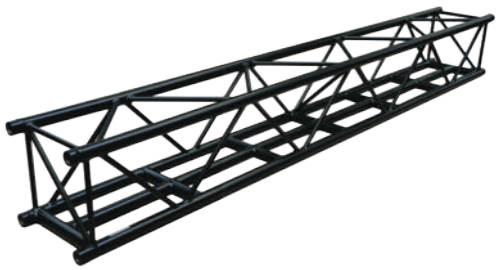
- Fast and easy assembly
- Lightweight system
- Versatile application
- Cross bracing
- Can be combined with standard H40V
- Load in the centralised in the truss section

Top view



Side view





Technical Specifications – H40V-MB

Type	H40V-MB
Alloy	EN AW 6082 T6
Diagonal Members	48 x 3 mm
Braces	20 x 2 mm
Coupling System	CCS6

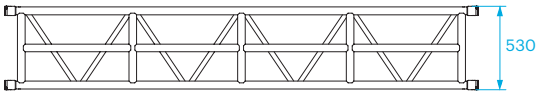
Standard available lengths and codes H40V-MB

Metres	Feet	Code
1,00	3,28	H40V-L100-MB
1,50	4,92	H40V-L150-MB
2,00	6,56	H40V-L200-MB
2,50	8,20	H40V-L250-MB
3,00	9,84	H40V-L300-MB

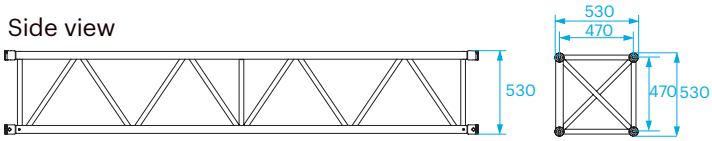
S52SV-MB

S52-MB Series truss is constructed of main chords (50 x 4 mm) and diagonals (30 x 3 mm). Equipped with the CCS7 conical coupling system, the S52-MB truss is fast and easy to assemble. The S52 truss offers a strong truss with a very high loading capacity. The clever pin orientation guarantees fast and foolproof assembly.

Top view



Side view



Advantages of S52-MB

- Clever pin orientation
- Fast and easy to assemble
- Very high loading capacity
- Can be combined with standard S52V or S52SV truss series
- Load in the centralised in the truss section

Technical Specifications – S52SV MB series

Type	S52SV MB
Alloy	EN AW 6082 T6
Main Chords	50 x 4 mm
Diagonal Members	30 x 3 mm
Coupling System	CCS7

Standard available lengths and codes S52SV MB series

Metres	Feet	Code
1,00	3,28	S52SV-L100-MB
1,50	4,57	S52SV-L150-MB
2,00	6,56	S52SV-L200-MB
2,50	8,20	S52SV-L250-MB
3,00	9,84	S52SV-L300-MB

H40V-MB - Allowable Loading on the middle beam

SPAN		MAXIMUM ALLOWABLE POINT LOADS Centre Point Load CPL		DEFLECTION	
m	ft	kgs	lbs	cm	inch
3	9,8	300,0	201,9	0,7	0,28
4	13,1	290,0	195,1	1,3	0,51
5	16,4	230,0	154,8	2,0	0,79
6	19,7	190,0	127,8	2,9	1,14
7	23,0	160,0	107,7	4,0	1,57
8	26,2	130,0	87,5	5,2	2,05
9	29,5	100,0	67,3	6,5	2,56
10	32,8	80,0	53,8	8,1	3,19
11	36,1	60,0	40,4	9,8	3,86
12	39,4	50,0	33,6	11,6	4,57
13	42,6	40,0	26,9	13,7	5,39
14	45,9	40,0	26,9	15,8	6,22
15	49,2	30,0	20,2	18,2	7,17
16	52,5	30,0	20,2	20,7	8,15
17	55,8	20,0	13,5	23,4	9,21
18	59,0	20,0	13,5	26,2	10,31
19	62,3	20,0	13,5	29,2	11,50
20	65,6	10,0	6,7	32,3	12,72

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

Without deflection limit

S52SV MB - Allowable Loading on the middle beam

SPAN		MAXIMUM ALLOWABLE POINT LOADS Centre Point Load CPL		DEFLECTION	
m	ft	kgs	lbs	cm	inch
3	9,8	250,0	168,2	0,5	0,20
4	13,1	250,0	168,2	0,9	0,35
5	16,4	250,0	168,2	1,5	0,59
6	19,7	250,0	168,2	2,1	0,83
7	23,0	250,0	168,2	2,9	1,14
8	26,2	250,0	168,2	3,7	1,46
9	29,5	250,0	168,2	4,7	1,85
10	32,8	230,0	154,8	5,9	2,32
11	36,1	190,0	127,8	7,1	2,80
12	39,4	150,0	100,9	8,4	3,31
13	42,6	130,0	87,5	9,9	3,90
14	45,9	110,0	74,0	11,5	4,53
15	49,2	90,0	60,6	13,2	5,20
16	52,5	80,0	53,8	15,0	5,91
17	55,8	70,0	47,1	16,9	6,65
18	59,0	60,0	40,4	19,0	7,48
19	62,3	50,0	33,6	21,1	8,31
20	65,6	50,0	33,6	23,4	9,21

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

Without deflection limit