



# LED-wall

## Support Solutions

Special Product Range Brochure

[www.prolyte.com](http://www.prolyte.com)



# LSU series: straight

## LSU SERIES - LED SCREEN SUPPORT UNIVERSAL SERIES

### Ground stack LED Screen Support System

Building your LED screen from ground level is now easier than ever. No matter what type of screen you have, Prolyte offers a universal solution - the LED Stack System. This system is a combination of a base-unit, connection bar and ladder truss, which creates a very stable system to support your LED screens in various configurations. You're provided with flexibility in both height and width.

### A side-entry clamp

With the universal connection plate mounted, it is possible to mount almost any type of LED panel quickly and easily.

### Connection bars and adjustable feet

By using longer connection bars, you can easily extend your screen with another row of panels. Using the adjustable feet in the front and back of the base unit, you can safely level the system, so your screen is completely straight.



### Technical specifications - Ground Stack LED Screen Support

All items are standard coated black (RAL9005)

Base unit: 50 x 50 mm profile

Coupling system: CCS6

Adjustable M12 spindles

H30L Ladder truss with 30 x 3mm straight bracing

Available ladder truss lengths	<ul style="list-style-type: none"><li>• PC-LSU-30L-L050-RAL9005</li><li>• PC-LSU-30L-L075-RAL9005</li><li>• PC-LSU-30L-L100-RAL9005</li></ul>
Available connection bar lengths	<ul style="list-style-type: none"><li>• PC-LSU-CONNB- L100-RAL9005, 1 m length</li><li>• PC-LSU-CONNB- L150-RAL9005, 1,5 m length</li><li>• PC-LSU-CONNB- L200-RAL9005, 2 m length</li></ul>
Available LED panel adapters	PC-LSU-ADAP-03-RAL9005, panel adapter for panels suitable for M8, M10 and M12 bolts
Ballast needed	<ul style="list-style-type: none"><li>• 2 m high screen – 17 kg/m</li><li>• 4 m high screen – 130 kg/m</li></ul>

# LSU series: raised

## LSU SERIES - LSU RAISED

The adjustable leg is a support which enables to start your LED wall from a higher level than ground level. The leg will rest on the ground base and can be attached to the ladder truss with the standard led panel adapter. The leg support is adjustable in height between the 90 and 130cm height and can be adjusted every 10cm. The SM-A-LP16 locking pin with its self-locking mechanism will secure the leg. The principle with the connection bars is equal to the base unit.

The standard color for the leg is powdercoated black.

### Connection bars and adjustable feet

- By using the adjustable feet in the front and back of the base-unit, you can safely level the system, so your screen is completely straight.
- By using longer connection bars, you can easily extend your screen with another row of panels.



Adjustable leg support: • PC-LSU-SUPP-90130-RAL9005

# LSU series: curved

## LSU SERIES - LSU CURVED

Prolyte has extended the LSU series with a range of adapters to create curved screens. The angled connection bars will be the base of your LED wall and are available in lengths of 100 and 150cm. They can also be used in combination with the straight versions.

The connection between the led panel and the ladder truss is made by the LED panel adapter with special angled plates. The plates are available in 2.5, 5, 7.5 and 10 degrees and can be ordered separately from the adapter. The plates will fit most available brands of LED screens..

Other options are available on request.



### Angled connection bars:

PC-LSU-CONNB-L100-025-RAL9005	• LED STACK CONNECTION BAR LENGTH 100CM, 2,5DGR RAL9005
PC-LSU-CONNB-L150-025-RAL9005	• LED STACK CONNECTION BAR LENGTH 150CM, 2,5DGR RAL9005
PC-LSU-CONNB-L100-050-RAL9005	• LED STACK CONNECTION BAR LENGTH 100CM, 5DGR RAL9005
PC-LSU-CONNB-L150-050-RAL9005	• LED STACK CONNECTION BAR LENGTH 150CM, 5DGR RAL9005
PC-LSU-CONNB-L100-075-RAL9005	• LED STACK CONNECTION BAR LENGTH 100CM, 7,5DGR RAL9005
PC-LSU-CONNB-L150-075-RAL9005	• LED STACK CONNECTION BAR LENGTH 150CM, 7,5DGR RAL9005
PC-LSU-CONNB-L100-100-RAL9005	• LED STACK CONNECTION BAR LENGTH 100CM, 10DGR RAL9005
PC-LSU-CONNB-L150-100-RAL9005	• LED STACK CONNECTION BAR LENGTH 150CM, 10DGR RAL9005



### Angled adapter plates:

PC-LSU-ADAP-02-RAL9005	160	• TRUSS TO LED PANEL ADAPTER, NO PLATE RAL9005
PC-LSU-ADAP-04-025RAL9005	160	• LED PANEL MOUNTING PLATE 2,5DGR RAL 9005
PC-LSU-ADAP-04-050RAL9005	160	• LED PANEL MOUNTING PLATE 5DGR RAL 9005
PC-LSU-ADAP-04-075RAL9005	160	• LED PANEL MOUNTING PLATE 7,5DGR RAL 9005
PC-LSU-ADAP-04-100RAL9005	160	• LED PANEL MOUNTING PLATE 10DGR RAL 9005



# Horizontal Suspension

Prolyte introduces the next step forward in horizontal suspension of led panels. With this universal system, you are able to create a complete ceiling of panels, regardless of the size of the panel that is used. Nearly every brand of led panel will fit this flexible system.

## System description

The HS series is based on just one special 48,3 mm round extrusion in combination with a LED panel adapter.

The 48,3 mm extrusion has an integrated Helm 100 profile for the connection of the panel adapters. They can be slid in the correct position suiting the size and type of panel. On the opposite side, it has a slot which allows for the connection parts to fix the upper part to the lower profiles.

The lower profiles are mounted in a 90° position, creating the base for the LED screen ceiling. The distance between the lower profile depends on the size of your LED panels. Once the profiles are mounted in the correct positions, the panel adapters can be put in the correct position. The maximum free span of the lower profile is 3 meters.

The LED panel adapters are available in a fixed as well as an adjustable version. The adjustable version can be modified in height by 3 cm, which enables you to correct possible deflection of the truss span/grid or tube. The design of the adapter allows you to keep easy access to the backside of the panels for mounting the cabling of the system or for maintenance.

By using a double clamp, the upper profiles can be mounted to the truss span or truss structure.

The HS series is available in different standard lengths up to 4 meters.



## Technical specifications:

Types	48,3 mm round extrusion with Helm 100
Alloy	EN AW 6082T6
Adapters	120x120 mm slotted steel plate
Finish	Black anodised

## Advantages:

- Most flexible system
- Quick and easy to install
- Minimum amount of different parts
- Adjustable height



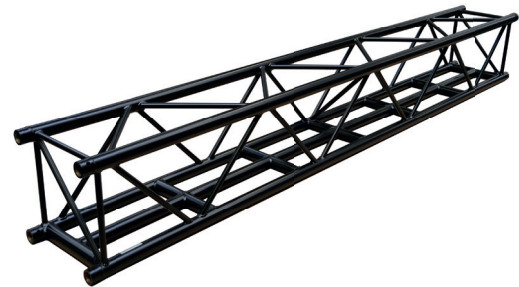
# LSU H30V-MB Truss

## H30V-MB

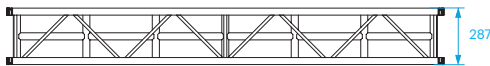
H30V-MB Series truss is constructed of main chords (48 x 3 mm) and diagonals (16 x 3 mm). Equipped with the CCS6 conical coupling system, the H30V-MB truss is fast and easy to assemble. The H30V-MB offers extra strength, next to its flexible application possibilities and is the ideal solution for the event or exhibition market. The H30V-MB truss is fully compatible with the regular H30V truss 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.

### Advantages of H30V-MB

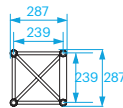
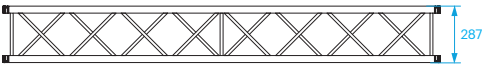
- Fast and easy assembly
- Lightweight system
- Versatile application
- Cross bracing
- Can be combined with standard H30V
- Load in the centralised in the truss section



Top view



Side view




### Standard available lengths and codes H30V-MB

Metres	Feet	Code
1,00	3,28	H30V-L100-MB
1,50	4,92	H30V-L150-MB
2,00	6,56	H30V-L200-MB
2,50	8,20	H30V-L250-MB
3,00	9,84	H30V-L300-MB

### Technical Specifications – H30V-MB

Type	H30V-MB
Alloy	EN AW 6082 T6
Diagonal Members	48 x 3 mm
Braces	16 x 2 mm
Coupling System	CCS6

### H30V-MB - Allowable Loading on the middle beam



SPAN		MAXIMUM ALLOWABLE POINT LOADS			
		Centre Point Load		DEFLECTION	
		CPL			
m	ft	kgs	lbs	mm	inch
3	9,8	300	201,9	7	0,3
4	13,1	230	154,8	13	0,5
5	16,4	180	121,1	20	0,8
6	19,7	150	100,9	29	1,1
7	23,0	120	80,7	40	1,6
8	26,2	90	60,6	52	2,0
9	29,5	70	47,1	65	2,6
10	32,8	50	33,6	81	3,2
11	36,1	40	26,9	98	3,9
12	39,4	30	20,2	116	4,6
13	42,6	30	20,2	137	5,4
14	45,9	20	13,5	158	6,2
15	49,2	20	13,5	182	7,2
16	52,5	20	13,5	207	8,1
17	55,8	10	6,7	234	9,2
18	59,0	10	6,7	262	10,3
19	62,3	10	6,7	292	11,5
20	65,6	10	6,7	323	12,7

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

Without deflection limit



# LSU H40V-MB Truss

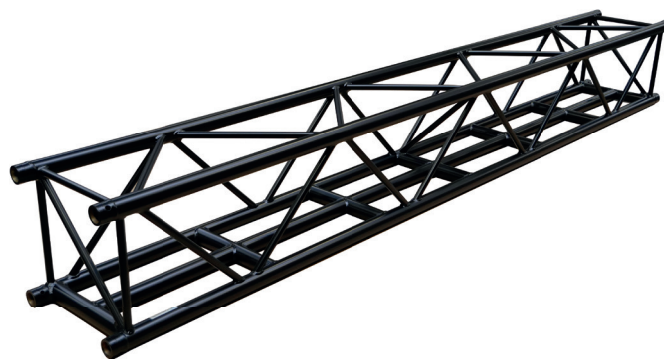
## H40V-MB

H40V-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 H40V-MB truss is fast and easy to assemble. The H40V-MB offers extra strength, next to its flexible application possibilities and is the ideal solution for the event or exhibition market.

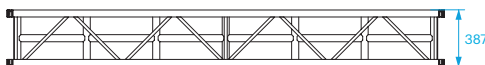
The H40V-MB truss is fully compatible with the regular H40V truss and can be combined in one grid. The extra middle beam in the bottom surface will guarantee safe and easy suspension of your LED wall. Keeping the total load in the middle of your truss section, thereby avoiding unbalanced loading or using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

## Advantages of H40V-MB

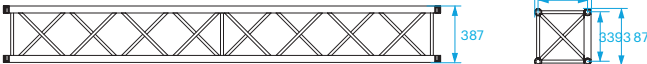
- Fast and easy assembly
- Lightweight system
- Versatile application
- Cross bracing
- Can be combined with standard H40V
- Load is centralised in the truss section



Top view



Side view



## 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

## 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

## H40V-MB - Allowable Loading on the middle beam

SPAN		MAXIMUM ALLOWABLE POINT LOADS			
		Centre Point Load		DEFLECTION	
		CPL			
m	ft	kgs	lbs	mm	inch
3	9,8	300,0	201,9	7	0,28
4	13,1	290,0	195,1	13	0,51
5	16,4	230,0	154,8	20	0,79
6	19,7	190,0	127,8	29	1,14
7	23,0	160,0	107,7	40	1,57
8	26,2	130,0	87,5	52	2,05
9	29,5	100,0	67,3	65	2,56
10	32,8	80,0	53,8	81	3,19
11	36,1	60,0	40,4	98	3,86
12	39,4	50,0	33,6	116	4,57
13	42,6	40,0	26,9	137	5,39
14	45,9	40,0	26,9	158	6,22
15	49,2	30,0	20,2	182	7,17
16	52,5	30,0	20,2	207	8,15
17	55,8	20,0	13,5	234	9,21
18	59,0	20,0	13,5	262	10,31
19	62,3	20,0	13,5	292	11,50
20	65,6	10,0	6,7	323	12,72

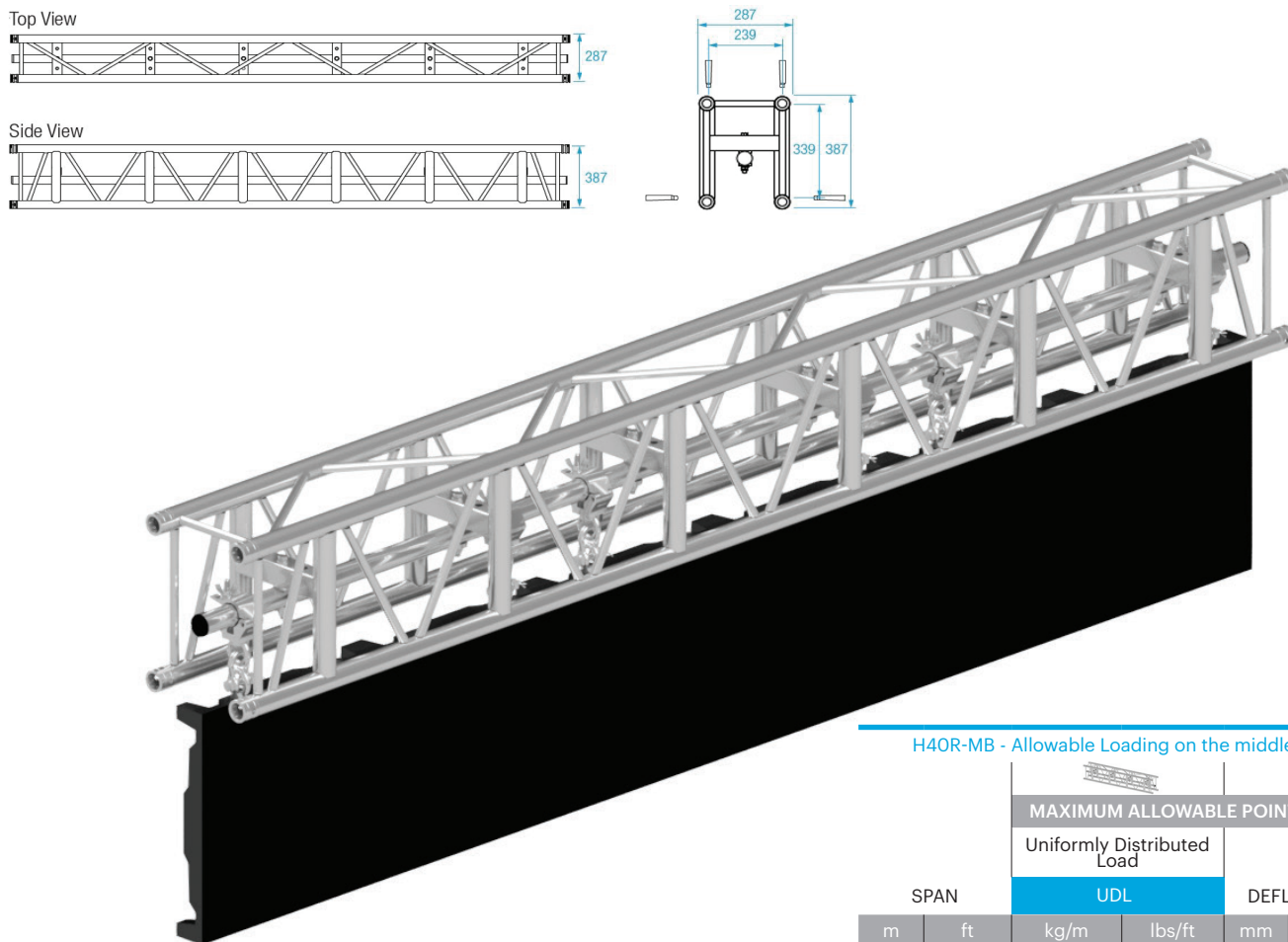
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

Without deflection limit


# H4OR-MB RAISED

## H4OR MIDDLE BEAM RAISED TRUSS

The H4OR Middle Beam Raised is a state-of-the-art LED suspension truss that integrates a versatile middle beam within its structure. This middle beam is designed to be adaptable, providing an ideal solution for seamless LED screen installations. It can be used in combination with the standard H4OR truss system, ensuring compatibility and flexibility for diverse setup requirements in one grid.



H4OR-MB - Allowable Loading on the middle beam

SPAN					
		MAXIMUM ALLOWABLE POINT LOADS			
		Uniformly Distributed Load			
		UDL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch
3	9.8	500.0	336.4	4	0.2
4	13.1	500.0	336.4	9	0.4
5	16.4	500.0	336.4	18	0.7
6	19.7	475.9	320.2	29	1.1
7	23.0	361.4	243.2	40	1.6
8	26.2	274.5	184.7	52	2.0
9	29.5	215.0	144.7	65	2.6
10	32.8	172.4	116.0	81	3.2
11	36.1	140.9	94.8	98	3.9
12	39.4	116.9	78.7	116	4.6
13	42.6	91.9	61.8	137	5.4
14	45.9	71.6	48.2	158	6.2
15	49.2	56.3	37.9	182	7.2
16	52.5	44.6	30.0	207	8.1
17	55.8	35.5	23.9	234	9.2
18	59.0	28.3	19.0	262	10.3
19	62.3	22.5	15.1	292	11.5
20	65.6	17.9	12.0	323	12.7





### Advantages of H4OR MB:

- **Flush with the truss:** The middle beam allows the LED screen to sit flush against the truss, eliminating any unwanted loss of trim height and providing a streamlined, professional look.
- **Adjustable Middle Beam Positioning:** Position the middle beam at various points within the truss as needed, ensuring flexibility to accommodate different design setups and weights.
- **Expandable Design:** An extra bar can be added when an additional support is needed.
- **Universal Profile Compatibility:** The truss system supports the attachment of any profile within the structure, offering unparalleled adaptability for various rigging and mounting needs.



# H4OR-MB RAISED

## H4OR-MB - Allowable Loading

																			
						MAXIMUM ALLOWABLE POINT LOADS													
						Centre Point Load						Single Load Third Points Load per Point		Single Load Fourth Points Load per Point				Single Load Fifth Points Load per Point	
						CPL						TPL		QPL				FPL	
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN			
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs		Total weight		
3	9.8	960.9	646.6	7	0.3	2133.7	4709.1	6	0.2	1441.4	3181.2	960.9	2120.8	720.7	1590.6	11.0			
4	13.1	718.4	483.4	13	0.5	1708.9	3771.6	10	0.4	1179.7	2603.6	957.9	2114.0	718.4	1585.5	22.0			
5	16.4	572.9	385.5	20	0.8	1431.1	3158.4	16	0.6	974.7	2151.2	795.8	1756.4	622.8	1374.5	33.0			
6	19.7	475.9	320.2	29	1.1	1228.3	2710.9	23	0.9	847.9	1871.2	672.4	1484.0	526.7	1162.5	44.0			
7	23.0	361.4	243.2	40	1.6	1073.4	2369.1	32	1.3	748.8	1652.5	580.7	1281.5	458.6	1012.2	55.0			
8	26.2	274.5	184.7	52	2.0	950.9	2098.7	41	1.6	669.0	1476.6	509.6	1124.7	405.1	894.1	66.0			
9	29.5	215.0	144.7	65	2.6	851.3	1878.9	52	2.0	603.4	1331.6	452.8	999.4	361.9	798.7	77.0			
10	32.8	172.4	116.0	81	3.2	768.6	1696.3	65	2.6	548.2	1209.9	406.3	896.7	326.1	719.8	88.0			
11	36.1	140.9	94.8	98	3.9	698.6	1541.7	78	3.1	501.1	1105.9	367.4	810.8	296.0	653.3	99.0			
12	39.4	116.9	78.7	116	4.6	638.4	1408.9	93	3.7	460.3	1015.9	334.2	737.6	270.2	596.3	110.0			
13	42.6	98.3	66.1	137	5.4	585.9	1293.2	109	4.3	424.5	937.0	305.6	674.4	247.8	546.9	121.0			
14	45.9	83.5	56.2	158	6.2	539.8	1191.3	127	5.0	392.9	867.1	280.6	619.2	228.1	503.5	132.0			
15	49.2	71.5	48.1	182	7.2	498.7	1100.6	146	5.7	364.6	804.6	258.4	570.4	210.7	464.9	143.0			
16	52.5	61.7	41.5	207	8.1	461.8	1019.3	166	6.5	339.1	748.3	238.7	526.8	195.0	430.4	154.0			
17	55.8	53.6	36.1	234	9.2	428.5	945.6	187	7.4	315.9	697.2	220.9	487.5	180.9	399.2	165.0			
18	59.0	46.9	31.5	262	10.3	398.1	878.6	210	8.3	294.7	650.4	204.8	452.0	168.1	370.9	176.0			
19	62.3	41.1	27.7	292	11.5	370.2	817.1	233	9.2	275.2	607.4	190.1	419.5	156.3	345.0	187.0			
20	65.6	36.2	24.4	323	12.7	344.6	760.4	259	10.2	257.2	567.6	176.6	389.7	145.5	321.1	198.0			

1 inch = 25.4 mm | 1 m = 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. Please contact a structural engineer or Prolyte for assistance.
- 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.

### Technical Specifications - H4OR-MB

Types	Rectangular (R)
Alloy	EN AW 6082 T6
Main Chords	48 x 3 mm
Diagonal Members	20 x 2 mm
Coupling System	CCS6

### H4OR-MB - Standard available Lengths and Codes

Metres	Feet	Code
1.00	3.28	H4OR-L100-RMB
1.50	4.92	H4OR-L150-RMB
2.00	6.56	H4OR-L200-RMB
2.50	8.2	H4OR-L250-RMB
3.00	9.84	H4OR-L300-RMB
4.00	13.12	H4OR-L400-RMB

# LSU Verto H40V-MB

## VERTO H40V-MB

The Verto truss is based on a new principle of truss connection, where the sections are joined by a rotating coupler system. This system has great advantages over existing systems. The name Verto is derived from Latin, meaning to turn or to turn around and that is exactly how this coupler works. A simple flick of your wrist will connect the truss sections.

Verto H40V-MB Series truss is the latest addition to the Verto program, constructed of main chords (48 x 3 mm) and diagonal members (20 x 2 mm).

Equipped with the Verto coupling system, the H40V-MB truss is fast and easy to assemble. The H40V-MB offers extra strength, next to its flexible application possibilities and is the ideal solution for the event or exhibition market.

The extra middle beam in the bottom surface will guarantee safe and easy suspension of your LED wall.

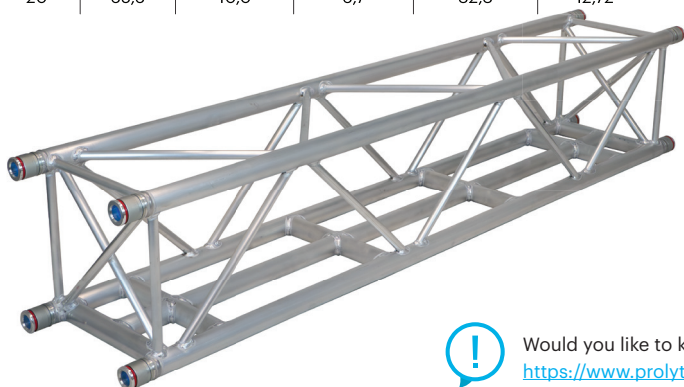
Keeping the total load in the middle of your truss section, thereby avoiding unbalanced loading or using the truss in a diamond shape. The Verto H40V-MB series is fully compatible with the regular Verto H40V-MB truss series and can be combined in one grid.

### H40-MB - Allowable loading on the middle beam

		MAXIMUM ALLOWABLE POINT LOADS			
		Centre Point load		DEFLECTION	
SPAN		CPL			
m	ft	kgs	lbs	cm	in
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	62,6	20,0	13,5	29,2	11,50
20	65,6	10,0	6,7	32,3	12,72

### Technical Specifications - Verto H40R

Alloy	EN AW 6082 T6
Main Chords	48 x 3 mm
Diagonal Members	20 x 2 mm
Coupling System	Verto



Would you like to know more about the Prolyte Verto system? Scan the QR code or visit:  
<https://www.prolyte.com/products/aluminium-truss/square-truss/verto-truss>





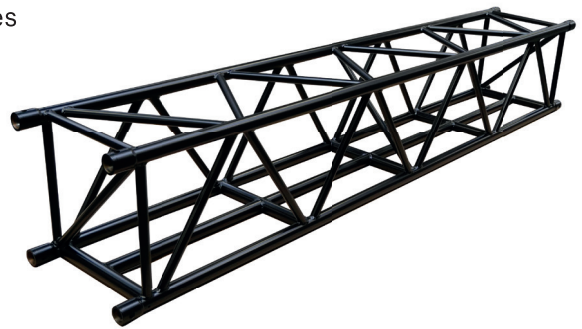
# LSU S52SV-MB Truss

## S52SV-MB

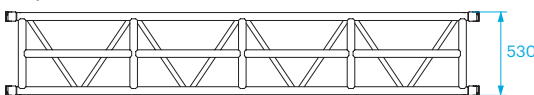
S52-MB Series truss is constructed of main chords (50 x 4 mm) and diagonals (30 x 3 mm). Equipped with the CCS7 conical coupling system, the S52SV-MB truss is fast and easy to assemble. The S52SV-MB truss offers a strong truss with a very high loading capacity. The clever pin orientation guarantees fast and foolproof assembly.

### Advantages of S52V-MB:

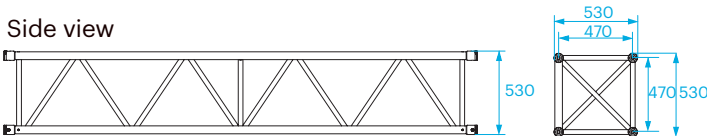
- Clever pin orientation
- Fast and easy to assemble
- Very high loading capacity
- Can be combined with standard S52V or S52SV truss series
- Load is centralised in the truss section



Top view



Side view




### 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

### S52SV MB - Allowable Loading on the middle beam



SPAN		MAXIMUM ALLOWABLE POINT LOADS			
		Centre Point Load		DEFLECTION	
		CPL			
m	ft	kgs	lbs	mm	inch
3	9,8	250,0	168,2	5	0,20
4	13,1	250,0	168,2	9	0,35
5	16,4	250,0	168,2	15	0,59
6	19,7	250,0	168,2	21	0,83
7	23,0	250,0	168,2	29	1,14
8	26,2	250,0	168,2	37	1,46
9	29,5	250,0	168,2	47	1,85
10	32,8	230,0	154,8	59	2,32
11	36,1	190,0	127,8	71	2,80
12	39,4	150,0	100,9	84	3,31
13	42,6	130,0	87,5	99	3,90
14	45,9	110,0	74,0	115	4,53
15	49,2	90,0	60,6	132	5,20
16	52,5	80,0	53,8	150	5,91
17	55,8	70,0	47,1	169	6,65
18	59,0	60,0	40,4	190	7,48
19	62,3	50,0	33,6	211	8,31
20	65,6	50,0	33,6	234	9,21

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

Without deflection limit

# LED video screen outdoor

## OUTDOOR LED OR VIDEO SCREEN SUPPORT

With the ever-increasing use of outdoor LED or video screens, Prolyte has engineered the perfect solutions for hanging screens in an efficient and safe manner.

We have developed three standard screen support systems, based on the MPT, ST and CT towers. All constructions are provided with a complete set of calculations. Variations on the standard structures are available on request.

## RELIABLE SUPPORT

LED Screen supports require extra attention with regard to set up and structural calculations. Environmental factors, such as wind force, have to be calculated, and furthermore, the stability of both the structure and the screen needs to be ensured.

All Prolyte screen supports comply with the applicable regulations and standards, including wind force resistance up to wind speeds of 28 m/s.

## EACH SYSTEM HAS UNIQUE REQUIREMENTS

Due to the complex interaction of forces resulting from screen surface, wind speeds, system weight and required screen height, each system is unique with respect to the calculation of the complete construction. Requirements for larger spans, higher loading or added screen height need to be calculated. Prolyte's experienced engineering department is available to assist customers with calculations and specific construction requirements.

## BASED ON STANDARD TRUSS SYSTEMS

LED screen supports from Prolyte consist of standard products from both the tower and truss range. There is no need to invest in special parts. Screen supports for a wide range of applications can be configured using your standard rental stock. For more information, please contact Prolyte's sales team.

### Technical specifications - Led / video screen

Allowable loading ranging from	500 - 2000 kg
Screen surface ranging from	6 m <sup>2</sup> to 60 m <sup>2</sup>
Max. Windspeed	13,8 to 28 m/s
Design Standards	EN 13814/EN 17879





# LED-wall MPT 6x4,5 meter

The first of the three standard screen supports systems we have developed is the LED-wall MPT 6x4,5m.

All the LED-wall constructions are provided with a complete set of calculations. Our LED screen supports from Prolyte consist of standard products from both the tower and truss range.

This LED-wall MPT 6x4,5m is built with multi-purpose trusses H30V and H40V. It can hold up to a maximum screen weight of 1200 kg and has an overall height of 8,52 m.

Variations on the standard structures are available on request.



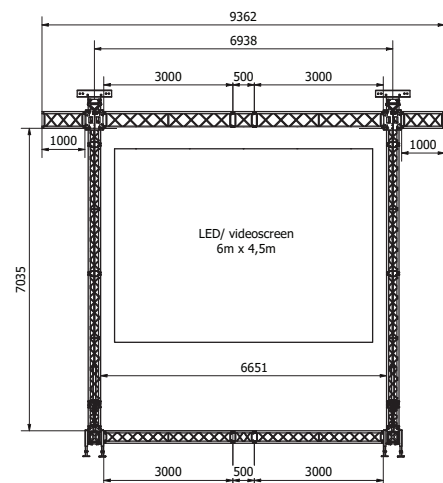
## Technical specifications:

Max. led screen size	6 x 4,5 meter	19,69 x 14,76 ft
Truss	Multi purpose	H30V / H40V
Internal width	6,65 m	21,82 ft
Overall external width	9,36 m	30,71 ft
Overall external depth	4,48 m	14,7 ft
Clearance	7,63 m	20,03 ft
Overall height	8,52 m	27,95 ft
PA wing	1 m	3,28 ft

## Loading capacity:

Max. led screen weight	1.200 kg	2.645 lbs
PA wing (max. 1m <sup>2</sup> front)	100 kg	220 lbs

\*See structural report for exact loading position



## Operational specifications:

### Design standards

DIN EN 17879 (2024)	Event structures
DIN EN 13814	Fairground and amusement park machinery and structures
DIN EN 1991 / Eurocode 1	Actions on structures
DIN EN 1999 / Eurocode 9	Design of aluminium structures
DIN EN 1993 / Eurocode 3	Design of steel structures

### Wind management

In service	Peak gust wind 20m/s (beaufort 8). Above that the led screen and PA must be lowered down or removed from the structure
Out service	28 m/s (beaufort 10) without led screen and PA according to DIN EN 13814

### Ballast

Ballast	8x600 kg / 1.322lbs placed, as close as possible at the end of the outriggers
---------	-------------------------------------------------------------------------------

### Customised

Customised	Customisation, i.e. truss configuration, alternative dimensions, on requirement. Always verify with Prolyte your screen dimensions, weight and rigging for correct configuration
------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

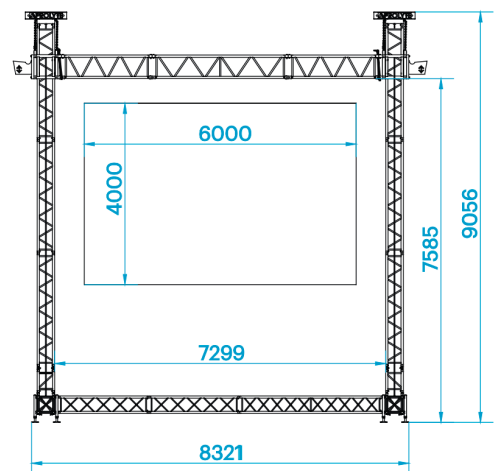
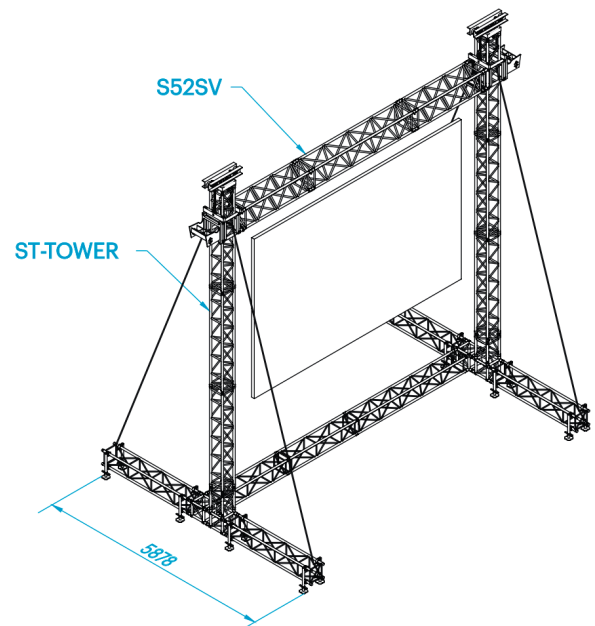
# LED-wall ST 6x4 meter

The second of the three standard screen supports systems we have developed is the LED-wall ST 6x4m.

All the LED-wall constructions are provided with a complete set of calculations. Our LED screen supports from Prolyte consist of standard products from both the tower and truss range.

This LED-wall ST 6x4m is built with multi-purpose and S serie trusses H30V, S40T and S52SV trusses. It can hold up to a maximum screen weight of 2000 kg and has an overall height of 9,06 m.

Variations on the standard structures are available on request.



## Technical specifications:

Max. led screen size	6 x 4 meter	19,69 x 13,12 ft
Truss	Multi purpose / S-serie	H40V, S40T, S52SV truss
Internal width	7,30 m	23,95 ft
Overall external width	8,32 m	27,30 ft
Overall external depth	5,88 m	19,29 ft
Clearance	7,59 m	24,90 ft
Overall height	9,06 m	29,73 ft
PA wing	1 m	3,28 ft

## Loading capacity:

Max. led screen weight	2.000 kg	4,408 lbs
------------------------	----------	-----------

\*See structural report for exact loading position

## Operational specifications:

### Design standards

DIN EN 13814	Fairground and amusement park machinery and structures
DIN EN 1991 / Eurocode 1	Actions on structures
DIN EN 1999 / Eurocode 9	Design of aluminium structures
DIN EN 1993 / Eurocode 3	Design of steel structures
DIN EN 1993 / Eurocode 3	Design of steel structures

### Wind management

In service	Peak gust wind 20m/s (beaufort 8). Above that the led screen and PA must be lowered down or removed from the structure
Out service	28 m/s (beaufort 10) without led screen and PA according to DIN EN 13814

### Ballast

Ballast	4x 1.300 kg / 2.865 lbs placed, as close as possible at the end of the outriggers
---------	-----------------------------------------------------------------------------------

### Customised

Customised	Customisation, i.e. truss configuration, alternative dimensions, on requirement. Always verify with Prolyte your screen dimensions, weight and rigging for correct configuration
------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

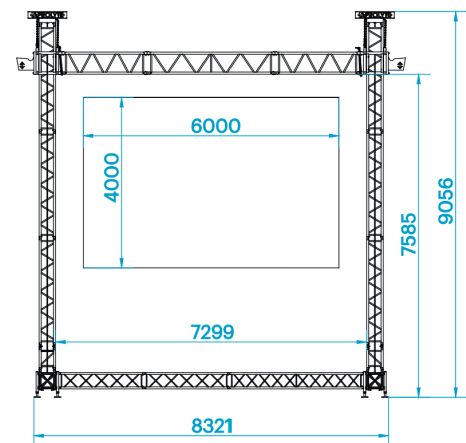
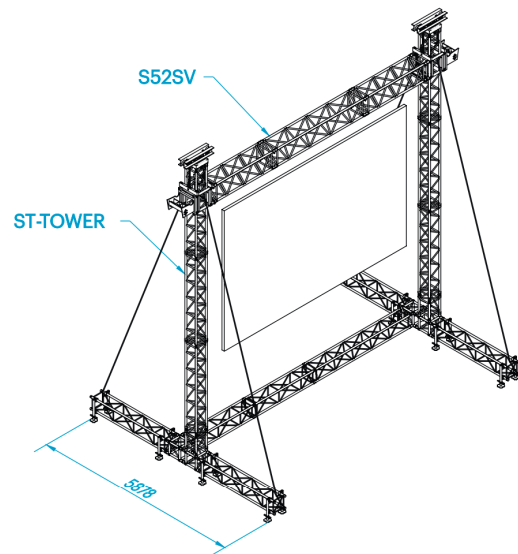
# LED-wall ST 10x6 meter

The third of the three standard screen supports systems we have developed is the LED-wall ST 10x6 m.

All the LED-wall constructions are provided with a complete set of calculations. Our LED screen supports from Prolyte consist of standard products from both the tower and truss range.

This LED-wall ST 10x6m is built with multi-purpose and S series trusses H30V, S40T and B100RV trusses. It can hold up to a maximum screen weight of 1700kg (including hoists) kg and has an overall height of 10,78 m.

Variations on the standard structures are available on request.



## Technical specifications:

Max. led screen size	10 x 6 meter	31,81 x 19,69 ft
Truss	Multi purpose / S-serie	H40V, S40T, B100RV truss
Internal width	10,75 m	35,27 ft
Overall external width	13,38 m	43,90 ft
Overall external depth	8,23 m	27,00 ft
Clearance	8,76 m	28,74 ft
Overall height	10,78 m	35,37 ft
PA wing	1 m	3,28 ft

## Loading capacity:

Max. led screen weight	1.700 kg (incl. hoists)	3.747 lbs
PA wings (max 5 m2 front)	200 kg	440,80 lbs

\*See structural report for exact loading position

## Operational specifications:

### Design standards

DIN EN 13814	Fairground and amusement park machinery and structures
DIN EN 1991 / Eurocode 1	Actions on structures
DIN EN 1999 / Eurocode 9	Design of aluminium structures
DIN EN 1993 / Eurocode 3	Design of steel structures
DIN EN 1993 / Eurocode 3	Design of steel structures

### Wind management

In service	Peak gust wind 20m/s (beaufort 8). Above that the led screen and PA must be lowered down or removed from the structure
Out service	28 m/s (beaufort 10) without led screen and PA according to DIN EN 13814

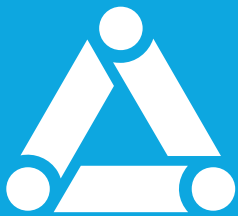
### Ballast

Ballast	2x 200 kg / 440,80 lbs placed, as close as possible at the front towers.
	2x 1,450 kg / 3,196 lbs placed, as close as possible at the back end corners.

### Customised

Customised	Customisation, i.e. truss configuration, alternative dimensions, on requirement. Always verify with Prolyte your screen dimensions, weight and rigging for correct configuration
------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------





**Prolyte B.V.**  
**Industriepark 9**  
**9351 PA Leek**  
**Netherlands**

**T: +31-594 851 515**  
**[sales@prolyte.com](mailto:sales@prolyte.com)**



**[www.prolyte.com](http://www.prolyte.com)**