

VOLO Dome 50

1



Technical Data

Floor Area:	540 sq ft
Diameter	26.2 ft
Ceiling Height	13 ft
Volume	4767 cubicft

Membrane options

Transparent front (1): White, opaque PVC membrane with detachable, exchangeable clear, transparent front part, our most versatile solution
Blackout (2): White, opaque PVC membrane with detachable, exchangeable white, opaque front part, ideal for darkening out the interior
Transparent membrane (3): Completely transparent PVC cover, ideal for night events, giving you the possibility to create magical light effects
Branded membrane (4): Fully color printed membrane or printed detachable front part, ideal to put your brand's message across
Open dome (5): unique 2-in-1 solution that combines the classic dome shape with a completely innovative mobile stage system
* Opaque PVC membranes can be replaced with non-opaque, single layer cover, perfect for creative lighting effects visible from the outside

Membrane material specification

Surface area:	101 m ² (total) / 15 m ² (front part only)
Membrane material:	PVC Coated Polyester Fabrics
Thickness:	650 g/m ² (non-opaque) 800 g/m ² (opaque)
Certifications:	Class B1 and M2 of fire resistance according to DIN 4102

Steel framework

Structure material	Steel S235JR
Structure finish	Hot-dip, double sided galvanized, powder coated white (other RAL colors available)
Strut details	260 struts / 25 mm diameter / 2.0 mm strut's wall thickness
Strut length	1012 min. - 1299 max.
Connecting bolts	M12 zinc-coated bolts
Structure feet number	20

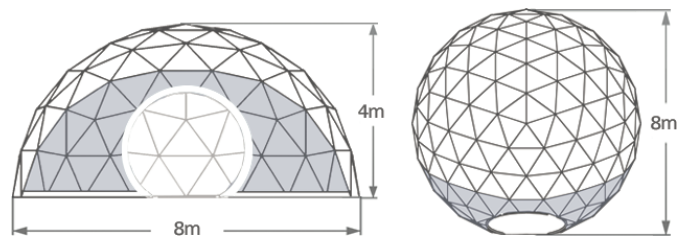
Entrances / Doors / Openings

Number of entrances	1 (up to 3 optionally)
Width of circular entrance	5 ft (at floor level) / 10 ft (at the center)
Height of circular entrance	7 ft
Membrane door:	1x PVC membrane zip door (white or transparent)
Aluminum-glass door:	Optional single wing aluminum-glass door with anti-panic system and safe glass.
Aluminum-glass door entrance dimensions:	Height: 7 ft / Width: 3' 5" ft
Ventilation	5 ventilation openings at the top AC / Heating opening available on request
Windows	Circular or triangular transparent membrane windows available on request

Membrane options



Dimensions



Safety

Windloads	0.5 (dynamic pressure q = kN/m ²)
Dynamic pressure	11 Beaufort / violent storm
Extra load allowed	850 - 1025 lbs (suspended load)
Extra load points	Min.: 11 / Max.: 31

Load parameters

Steel framework	880 lbs / 1.3 x 0.7 x 0.95 m
Membrane	165 lbs / 1.3 x 1.0 x 0.35 m

Assembly / Dismantle

Assembly time	5 hours / 5 persons crew
Dismantle time	3 hours / 5 persons crew
Equipment required	Telescopic-hydraulic jack lift

All sizes, weights and volumes listed in this table are rounded approximations and may deviate due to varying materials or production processes.

All the information in this table refers to our standard configuration and materials. Please contact us if you have queries about dome customization (material types & colors, interconnected structures, flooring, interior accessories, air conditioning, branding, etc..)



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