



# PROJECTION SCREEN



DOMES INTRODUCTION



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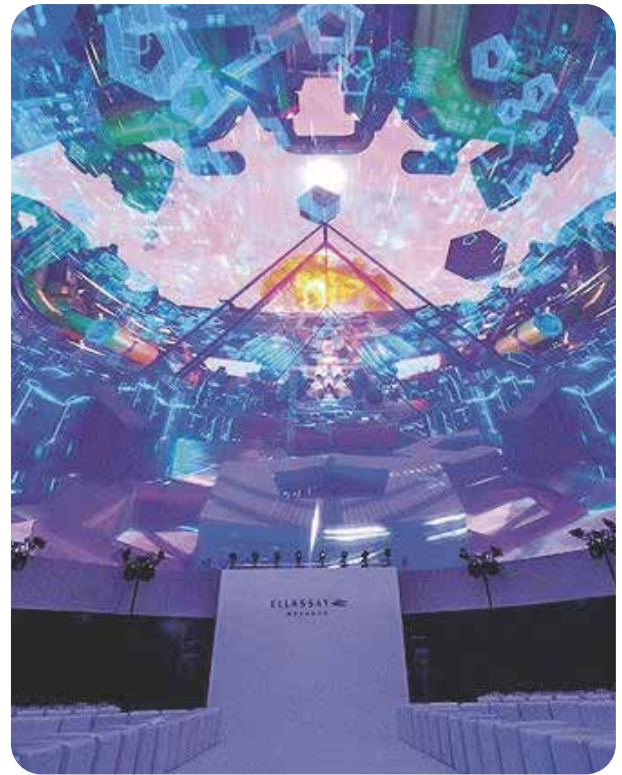
# Projection Screen Dome Introduction

- Widely used and economical solution in the dome market.
- Portable negative pressure structure dome theater solution, it is a digital projection system that is portable, highly mobile, and easy to install anytime, anywhere, and the extremely light frame can span a large diameter, making it possible for a large portable dome . Usually, it is mainly composed of steel structure, PVC cover, negative pressure screen and spray painting cover. Negative pressure domes fill the gap between perforated aluminum hard screens and inflatable domes, and can be used for both permanent and temporary portable installations. Using the new lightweight modular projection device, it only takes a few hours to build a high-quality dome theater with excellent projection quality and amazing sound effects.
- The inner lining, also called projection liner, is an innovative and unique system developed by Polidomes. This is a perfect lining material for movie theaters. The projection pad is mounted on a dome with a vacuum pump.





- The outer cover of the cinema is made of high-quality materials and is very resistant to mechanical damage. Also, it is fireproof and waterproof. Most important, it is complete opaque. There is no natural light in the room. Performances can take place both inside and outside the building, regardless of the weather and sunlight. The surface of the projection dome is also a great place for effective branding promotion.
- Projections are displayed on a spherical projection dome screen attached to a steel frame by a vacuum pump. The screens installed in this way perfectly cover the steel structure, offering the viewer a chance to fully immerse themselves in virtual reality.



- The projection dome structure is made of high-quality steel frame. A cinema dome requires no interior walls or additional columns and supports. It's all based on a very strong, flexible and secure metal frame.
- Multimedia projection in the theater dome uses full HD/4K projectors, dedicated calibration software and an independent Dolby 5.1 sound system with a separate control system.



# ■ Negative Pressure Dome Advantages



The overall force is stable, anti-typhoon, not easy to fall, ensuring the safety of the audience.



Modular integration, fast construction, convenient disassembly, convenient transportation, flexible operation.



Beautiful appearance, high-definition picture, amazing sound effect, excellent look and feel, and it has an immersive experience effect.



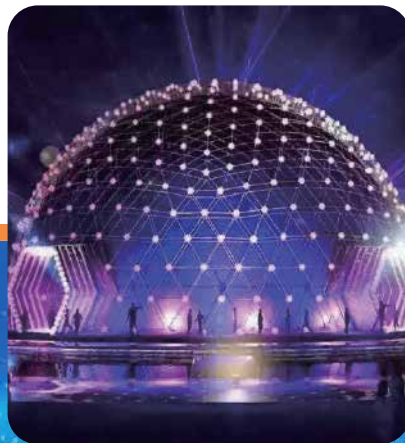
The extension function is powerful, and the panoramic 360-degree dreamland can be used as a variety of space applications.

## ■ Dome Application Scenarios

- Applied to science and technology museums, aerospace exhibitions, real estate opening and drainage, shopping mall openings, activity warming up, scene layout, various beauty exhibitions, event planning companies, advertising companies, public relations planning companies, opening ceremonies, celebrations, foundation stone laying ceremonies, annual meeting planning, exhibition performances, playgrounds, international tourist areas, scenic spots, farmhouses, bars, parties, etc.



Popular science activities and educational domes



Party and Event Domes



Theme Park Solutions



## Other specification parameters

Diameter	Ridge height	Area	Pipe diameter	Bolt	Quantity of Base plate	Weight of frame	Weight of PVC cover
5M	3M	19.63M	Ø25*1.5mm	M10	13pcs	160KG	50KG
6M	3.6M	28.26M			15pcs	185KG	65KG
7M	4.2M	38.47M	Ø32*1.5mm			19pcs	275KG
8M	4.8M	50.24M			325KG		110KG
9M	4.5M	63.59M			465KG	120KG	
10M	5M	78.50M			505KG	140KG	
11M	5.5M	94.99M	Ø42*2mm	M20	29pcs	1005KG	175KG
12M	6M	113.04M				1105KG	210KG
13M	6.5M	132.67M				1205KG	250KG
14M	7M	153.86M				1275KG	280KG
15M	7.5M	176.63M				1385KG	350KG
16M	8M	200.96M				1515KG	370KG
17M	8.5M	226.87M			35pcs	1815KG	420KG
18M	9M	254.34M				1935KG	470KG
19M	9.5M	283.39M				1985KG	520KG
20M	10M	314M				2075KG	570KG
21M	10.5M	346.19M				2525KG	630KG
22M	11M	379.94M				41pcs	3925KG
23M	11.5M	415.27M			4075KG		760KG
24M	12M	452.16M			4225KG		820KG
25M	12.5M	490.63M			4405KG		890KG
26M	13M	530.66M			4250KG		1000KG
27M	13.5M	572.27M			47pcs		5000KG
28M	14M	615.44M				5200KG	1100KG
29M	14.5M	660.19M	5400KG			1200KG	
30M	15M	706.50M	5550KG			1300KG	
31M	15.5M	754.39M	6450KG			1400KG	
32M	16M	803.84M	53pcs			6650KG	1450KG
33M	16.5M	854.87M			6850KG	1550KG	
34M	17M	907.46M			7050KG	1620KG	
35M	17.5M	961.63M		8000KG	1700KG		
36M	18M	1017.36M		8250KG	1800KG		
37M	18.5M	1074.6M		59pcs	8470KG	1900KG	
38M	19M	1133.54M	8700KG		2000KG		
39M	19.5M	1193.99M	65pcs		9800KG	2100KG	
40M	20M	1256M			10050KG	2200KG	
41M	20.5M	1319.59M		13000KG	2320KG		
42M	21M	1384.74M		71pcs	14350KG	2430KG	
43M	21.5M	1451.47M	14700KG		2540KG		
44M	22M	1519.76M	15000KG		2660KG		
45M	22.5M	1589.63M	15350KG		2780KG		
46M	23M	1661.06M	77pcs	16970KG	2900KG		
47M	23.5M	1734.17M		17350KG	3020KG		
48M	24M	1808.64M		17700KG	3150KG		
49M	24.5M	1884.79M		83pcs	19450KG	3300KG	
50M	25M	1962.5M	19850KG		3400KG		



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