

The Pufferfish

PufferSphere[®]XXL

Versions for Barco FLM series projectors OR Christie Roadsters

Technical Specs

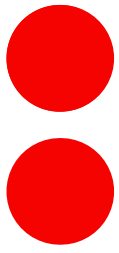
PufferSphere Hardware

XXL Barco FLM Series Edition	Dimensions / Specifications		
Screen Diameter	2500mm	3000mm	3500mm
Screen Viewable Surface Area	1960mm ²	2830mm ²	3840mm ²
Base Unit Height	1611mm		
Base Unit Width	1110mm		
Base Unit Weight (inc. projector)	267kg		
Screen Weight	8kg	12kg	16kg
Overall Weight	275kg	279kg	283kg

XXL Christie Roadster Edition	Dimensions / Specifications		
Screen Diameter	2500mm	3000mm	3500mm
Screen Viewable Surface Area	1960mm ²	2830mm ²	3840mm ²
Base Unit Height	1434mm		
Base Unit Width	1060mm		
Base Unit Weight (inc. projector)	183kg		
Screen Weight	8kg	12kg	16kg
Overall Weight	191kg	195kg	199kg

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Pufferfish[®] and PufferSphere[®] are Registered UK Trade Marks of Pufferfish Ltd. Registration Nos. 2445143 and 2445137.
International PCT Patent Application No. PCT/GB2007/004564 has been filed for the PufferSphere and claims priority from GB 0623730.9.



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PufferSphere Spherical Screens	
Inflatable Screens	Seamless PVC Back Projection Sphere
Screen Colours	Grey (other options on request)
High Pressure DC Blower (Inflation Device)	90 - 264 V, 47 - 63 Hz

Optics System

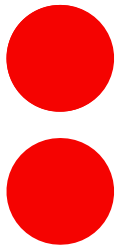
Component/Feature	Specification
Lens	Pufferfish UberUmami Lens + Barco / Christie Lens
Projector Quality	Barco FLM series / Christie Roadster series
Projector Light Output	Projector dependent
Contrast Ratio	Projector dependent
Minimum Text Pixel Size	13 Pixels
Lamp Warranty	Projector dependent
Lamps	Projector dependent

Set Up Information

Viewing Distance	3 > 400+ metres
Orientation	Upright or Inverted
Rigging Method (for inversion)	Via 4 x 14mm Eye-Bolts / Doughty Clamps
Set Up Time (from flight case)	Approx. 50 minutes
Set Down Time (into flight case)	Approx. 50 minutes
Inflation Time	5 minutes depending on screen size
Operating Noise (Projector)	56-58 dBa @ 1m distance
Inflation Noise (Blower)	50 dBa @ 1m distance - silent once inflated

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Video Input Connections
Standard Projector card sets

Projector Control Inputs
Standard Projector Inputs

Blower Control	
Automated	Standard

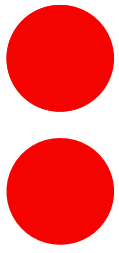
Power	
Projector Power Consumption	Projector dependent
Projector Line Voltage	Projector dependent
Inflation Line Voltage	90 - 265 V @ 47-63 Hz
Power Requirements	Clean, stable power supply: no spikes. RCD Protected

PufferSphere Environmental Guidelines	
Wind Speed	Weather protection available upon request
Rain	Weather protection available upon request
Electric Storms	Do NOT use without suitable surge protection
Ambient Light	No direct sunlight. Keep to a minimum; the darker the better! Recommended 80 - 150 lux
Direct/Spot Lighting	No spots or directional lighting on the projection area
Screen: avoid very cold temperatures (0°C >)	May become inflexible or brittle
Screen: avoid very hot temperatures (35°C<)	May become misshapen
Screen Fire Certificate	Meets appropriate standards - please ask

Projector Environmental Guidelines	
Projector Operating Temperatures	Projector dependent

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Systems Integration

The PufferSphere XXL is compatible with a wide range of media players, from laptop PCs to digital signage systems.

Pufferfish provide comprehensive systems integration consultancy and services, ensuring smooth, hassle-free integration of the PufferSphere with your existing/preferred systems.

Your media player should match the native resolution of the display's projector.

Lower output resolutions are compatible, but some deterioration of the image may occur.

Live Feeds and Realtime Systems.

The PufferSphere XXL is fully compatible with Green Hippo Hippotizer Media Servers, allowing the seamless integration and syncing of the PufferSphere with existing AV protocols.

The Hippotizer essentially operates like a realtime version of After Effects, with a gorgeously intuitive GUI and plenty of clever extras thrown in for good measure. By developing a free 'Pufferizer' plug-in, Green Hippo have opened up a second route to spherical content production, allowing for realtime 'spherising' of any type of content, in addition to our existing pre-rendering option.

The Hippotizer's 'Pufferizer' plugin also facilitates live feeds and the realtime updating and spherising of PufferSphere content.

The Pufferizer plug-in completes Pufferfish's content offering, providing total flexibility in the development and integration of all types of media. With this in mind, Pufferfish recommend the Hippotizer as our preferred realtime solution.

Also suitable for use with Catalyst.

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