

Residential - Bifrost TP0.9-Q

0.9 mm Pixel Pitch, High-Resolution DV-LED Display



- **Steadyview™**
Steadyview is Barco's own algorithm to avoid the scanline effect that can be perceived as visual flicker in the image. With Barco's new Infinipix® gen2 image processing platform, we have created Steadyview™ to ensure an unmatched viewing experience to avoid any type of flicker. -Because of Steadyview we can watch these walls for hours, same as the northernlight. These were developed for control rooms where you have to watch the walls for hours without getting eye fatigue.
- **Risk Free Installation**
Barco's revolutionary LED wall mounting

The Northern Lights were not an unusual sight for the People living in the north and were a popular theme in folktales. In old Norse mythology, the northern lights were said to be Bifrost, the bridge between Asgard and Midgard.

TruePix Bifrost TP-Q 0.9 is Barco Residential's smallest bezel-less pixel pitch product from the TruePix product range. But it's not all about pixel pitch, Direct view LED is as much about the source and how it is delivered from the content player through our new processor before it hit's the panel. This is where Barco Residential stand out from the other brands and why we compare ourselves with the beauty of the northern lights. We have developed a completely new processor which together with the Bifrost modules reproduces a revolutionary viewing experience with an highly dynamic, yet very realistic image.

Product specifications**RESIDENTIAL - BIFROST TP0.9-Q**

LED tiles	
Pixel pitch	0.953
Pixel per module	640x360 (HxV)
Aspect ratio	16:9
Dimensions	(WxHxD) 609.92x343.08x94mm / 24.01"x13.5"x3.70"
Weight	Standard / curved tiles: 8.3kg/tile (single PSU) / 8.7kg/tile (dual PSU) Modular curved tiles: 9.1kg/tile (single PSU) 9.5kg/tile (dual PSU)
LED lifetime	100,000h (video -50% brightness)
Brightness	>600 nit
Peak brightness	780 nit
Internal processing	23 bit
Color depth	16 bit (281 trillion colors)
Shaders	No
Control	Infinipix™ Gen2
Refresh rate @60Hz	3,840 Hz
3D	3D supported
Frame rate	24 -144 Hz
Hor. viewing angle	160° +/-5°
Vert. viewing angle	160° +/-5°
Brightness uniformity	>98%
Dimming	0-100%
Contrast	>7,000:1
Power consumption	766W/m ² 160 W/Tile (max) 280 W/m ² 58 W/Tile(typ)
Heat dissipation	2,611 BTU/h/m ² (max) 955 BTU/h/m ² (typ)
Ceiling configurations supported?	Yes
Heat dissipation front/back	54%/46%
Operation power voltage	AC power: 100-240V 50/60Hz DC power: Input: 36-55Vdc 16A (max.) Output: 36-55Vdc 10.72A/36V (max.) or 12.55A/55V (max.)
Operational humidity	10 -80%
Operational temperature	-10°C to +40°C / 14°F to 104°F
Storage temperature	-20°C to +60°C / -4°F to 140° F
Storage humidity	10 -80%
Redundancy	Power: Optional Standard on REM tiles Data: Standard Inter-tile redundancy Embedded signal loop redundancy Optional N + N redundancy
HDR	HLG / HDR10 supported
Concave curvature	Up to 5° standard curved tile (7m radius) Up to 5° curved modular tile (3.5m radius)
Convex curvature	Up to 3° standard curved tile (12m radius)
Ceiling configurations supported?	Yes
Serviceability	Full front & full back service Modular curved tile -Full front & full back service (PSU only back access)
Cable management	No external cabling
Installation	Self-leveling with surface tolerance compensation
Module replacement	Automated parallel motorized extraction
Module placement	Guided module placement
Ergonomics	SteadyView™ driver algorithm to reduce eye fatigue
Certifications	CE, UL, FCC class A, RoHS, WEEE, REACH, CCC, RCM
TAA Compliancy	Not available
Warranty	3 years
EssentialCare Service offering	5 years with LED batch compatible modules

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