

# ASB LumiFlex



## One floor, infinite possibilities

Experience the extraordinary with ASB LumiFlex, the cutting-edge sports floor that turns any sports event into a captivating visual spectacle.

ASB LumiFlex is the world's first full LED video sports floor made of glass, revolutionising the concept of sports flooring to an unprecedented level.

Through its groundbreaking design and cutting-edge technology, ASB LumiFlex unlocks boundless avenues for fan interaction, advertising potential, player tracking, and enhanced event presentation, marking a transformative milestone in the world of sports.



Engineered for both players and spectators, ASB LumiFlex offers a seamless and immersive experience. The customisable floor can be programmed to showcase dynamic content, including team logos, sponsor advertisements, and visually striking graphics, enhancing the visual appeal of sporting events.

Certified by renowned international sports governing bodies like FIBA, IHF, and FIVB, ASB LumiFlex adheres to the stringent accreditation standards. It also complies with the European standard EN 14904 for area-elastic sports floors, guaranteeing athlete-friendly conditions with its elasticity and slip resistance.

## STRUCTURAL BUILD UP

Glass type	Safety glass made of two 5 mm thick, tempered glass panels, laminated with a 1.52 mm thick PVB foil.
Glass	Special etching on the upper surface of the glass panels to prevent light reflection. Burned in ceramic dots for slip resistance.
Glass dimensions	Portable: 2 x 1.5 m / fixed installation: 3 x 2 m (joints are sealed)
Build-up height	fixed installation: min. 160 mm portable version: 320 mm adjustable up and down by 25 mm 325 mm with MultiSports perimeter flooring

## LED SCREEN

Pixel pitch	4.8 mm, 43,264 p/m <sup>2</sup> / 3.9 mm, 65,536 p/m <sup>2</sup>
LED type	RGB 3in1 SMD1921 / RGB 3in1 SMD1921
Brightness	4,500 nit / 4,500 nit
Refresh rate	3,840 Hz
Source compatibility	synchronous DVI / VGA / SDI / HDMI plug-and-play
Operating temperature	-20 ~ +50 °C
Connection	Power: Neutrik (IP65), Data: etherCON (IP65)
Power consumption avg.	190 W/m <sup>2</sup> / 190 W/m <sup>2</sup>
Power consumption max.	570 W/m <sup>2</sup> / 570 W/m <sup>2</sup>
Thermal dissipation avg.	130 W/m <sup>2</sup> / 130 W/m <sup>2</sup>
Thermal dissipation max.	400 W/m <sup>2</sup> / 400 W/m <sup>2</sup>
Input power	AC100-240V, 50~60Hz
Lifetime	100,000 Hours

## PERFORMANCE (according EN 14904:2006)

Shock absorption	ø 65 (min 55, max 75) ø 55.6 % according to DIN V 18032-2:2001 (min 40 %, max 60 %)
Sliding characteristics	ø 93 (min 80, max 110) ø 0.43 according to DIN V 18032-2:2001 (min 0.4, max 0.6) ASB
Warranty	GlassFloor 10 years, electronic components 2 years

