

LumiOS®

FR
series



INTERACTIVE LED VIDEO FLOOR

High weight capacity for video floor applications.

Intelligent Interactivity • Quick Installation • Wide Viewing • Stunning Quality



WATERPROOF SLIP-RESISTANT SURFACE



WIDE 170° VIEWING ANGLE



BRIGHT HIGH-CONTRAST IMAGE



INTERACTIVE EXPERIENCE READY



2,000 kg/m²

The FR Series LED Floor features an impressive load-bearing capacity that provides industry-leading safety and durability, ensuring reliable performance in even the most demanding applications.

REAL-TIME INTERACTIVITY

Captivate audiences with next-generation interactive LED flooring featuring real-time adaptive optical magnetic wireless sensing technology, both sensitive and with strong anti-interference properties. Transforms every step into an immersive experience.



EASY INSTALLATION

Tool-free assembly for fast deployment and streamlined installation. Featuring a choice of adjustable-foot or quick-rail mounting, it provides flexibility to meet the demands of both permanent installation and live event production.

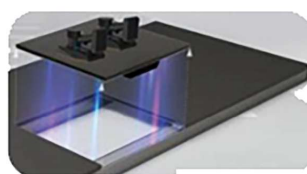
Modular Construction

Rail system is modular in 0.5m by 1.0m increments for changing needs of portable & rental applications



Front Service

Magnetic modules for quick and easy front module and cabinet service access



IP65 Surface

Waterproof front surface for indoor / outdoor use and spill-proof surface



Wide Viewing Angle

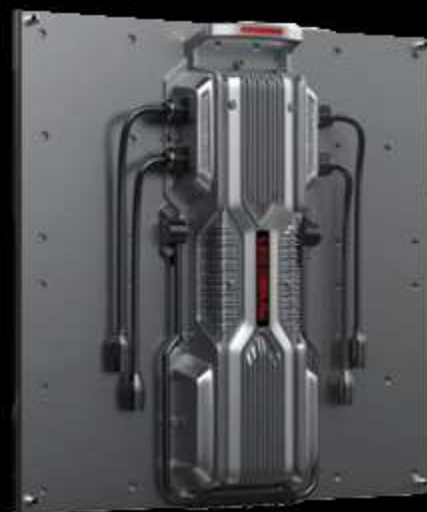
Wide 140° full viewing angle so surrounding participants can enjoy the entire visual experience





SPECIFICATIONS

MODEL	FR 2.9	FR 3.9	FR 5.2
PIXEL PITCH	2.97mm	3.91mm	5.20mm
VIEWING ANGLE	140°	140°	140°
LED TYPE	SMD1415	SMD1921	SMD1921
LED MASK	COP	GOB	GOB
CABINET SIZE	500 x 500 x 76mm		
CABINET RESOLUTION	128 x 128 px	104 x 104 px	96 x 96 px
PIXEL DENSITY	65,536 dot/m ²	43,264 dot/m ²	36,864 dot/m ²
MODULE SIZE	250 x 250mm		
MODLE RESOLUTION	64 x 64 px	52 x 52 px	48 x 48 px
CABINET MATERIAL	Aluminum Profile		
CABINET WEIGHT	11 kg (24.2 Lbs)		
LOAD BEARING	1.5 - 2.0 ton/m ² (3300 - 4400 Lbs/m ²)		
IP RATING	IP65 Front / IP54 Rear		
ENVIRONMENT	Indoor / Outdoor		
INTERACTIVE	Yes		
GRAYSCALE	≥14bit		
COLOUR TEMP	3000° - 10,000°K		
BRIGHTNESS	1000 - 4000 nits		
REFRESH RATE	1920 / 3840 Hz		
SCAN GRADE	1/21	1/16	1/12
MAX POWER CONSUMPTION	800W/m ²		
AVG POWER CONSUMPTION	270W/m ²		
MAINS VOLTAGE	110 - 240 VAC, 50/60Hz		
OPERATING TEMPERATURE	0°C ~40°C (work) / -20°C ~ 60°C (store)		
LED LIFE	≥100,000 Hours		
INSTALLATION	Rail Installation / Adjustable Foot Installation		
CERTIFICATIONS	CE, FCC, CSA SPE1000 or Equivalent		



www.lumiosled.com

Designed & Engineered in

