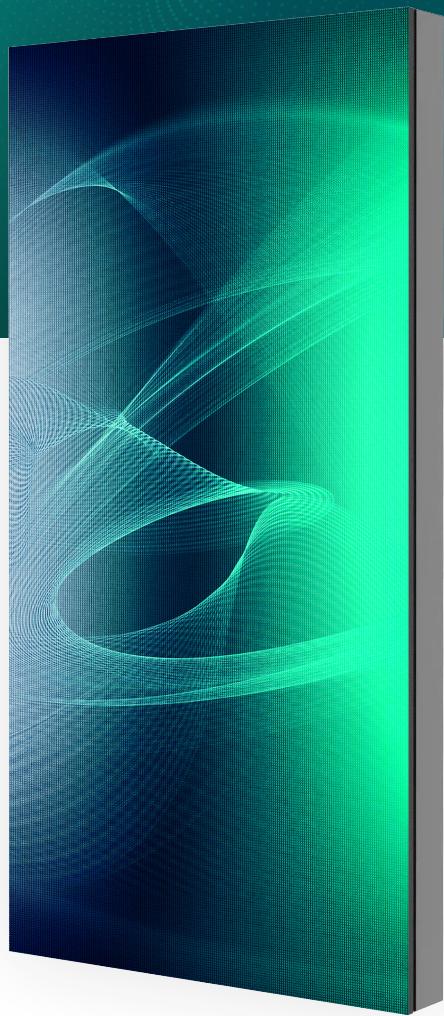# ATMOS LED

Trek Series

The Trek Series is our stage deck LED floor panel designed to increase visual experiences by providing visuals on the floor of any indoor venue. Built for durability, it features a scratch-resistant PC material mask and supports up to 1.8 tons per square meter. Adjustable height settings accommodate uneven surfaces, while a built-in inductor system enables an ultra-responsive 0.02-second reaction time, creating interactive and immersive floor displays.

Trek Series is
available in the following pixel pitches:

⊠ **2.5mm, 2.6mm, 2.9mm, 3.9mm, 4.8mm**

STANDARD MODULAR DESIGN

› 250mm x 250mm standard module design
› Seamless connections for a smooth finish
› Scratch-resistant PC material mask

HIGH LOADING CAPACITY

› Supports up to 1.8 tons per square meter
› Adjustable height for uneven surfaces

EASY & FAST INSTALLATION

› Cable-free module connections
› Tool-free installation
› Simplified maintenance after cabinet assembly

INTERACTIVE FEATURES

› Built-in inductor for interactive systems
› Quick response time of 0.02 seconds

ATMOS LED

Trek Series Specifications

MODEL	2.5	2.6	2.9	3.9	4.8
Physical Pitch	2.5mm	2.6mm	2.9mm	3.9mm	4.8mm
Pixel Configuration	SMD2121	SMD2121	SMD2121	SMD2121 SMD1921	SMD2121 SMD1921
Pixel Density	160000px/m^2	147456px/m^2	112896px/m^2	65536px/m^2	43264px/m^2
Module Dimension(WxH)	4'5''x3'4'' (250x250mm)				
Panel Dimension(WxHxD)	19.69''x19.69'' (500x500mm) / 19.69''x39.37'' (500x1000mm)				
No. of Module/panel(WxH)	2x2/2x4				
Module Resolution	100x100px	96x96px	84x84px	64x64px	52x52px
Panel Resolution	200x400px 200x200px	192x384px 192x192px	168x336px 168x168px	128x256px 128x128px	104x208px 104x104px
Panel Material	Cold steel / Aluminum / Die-casting Aluminum				
Panel Weight	44kg/m^2	44kg/m^2	44kg/m^2	(indoor)44kg/m^2 (outdoor) 50kg/m^2	(indoor)44kg/m^2 (outdoor)50kg/m^2
Gray Scale	16bit				
Contrast Ratio	4000:1				
Avg. Power Consumption	218w/m^2				
Max. Power Consumption	800w/m^2	800w/m^2	800w/m^2	(indoor)800w/m^2 (outdoor)1200w/m^2	(indoor)800w/m^2 (outdoor)1200w/m^2
Operating Temp/Humidity	14°F to 140°F (-10°C to 60°C) / 10% - 60%				
Storage Temp/Humidity	-22°F to 140°F (-30°C to 60°C) / 10% - 60%				
Refresh Rate	3840hz				
Application	Indoor	Indoor	Indoor	Indoor Outdoor	Indoor Outdoor
Viewing Angle(H/V)	160°/140°				
Expected Lifetime	100,000hrs				
Service	Front				
Certification	CCC, CE, ETL, RoHS				