



TRICORNE™
PREMIUM LED

Acoustically Transparent HDR LED

The Ultimate Cinema Screen



Future of Cinema. Experience Cinematic Brilliance Like Never Before.

Breathtaking visuals. Pristine audio. Tricorne's ultra-thin, acoustically transparent cinema LED screen is DCI-certified for SDR, HDR, and 3D—built for any screen size of 7m (23 feet) or larger. With a floor-to-ceiling, wall-to-wall display, experience cinema that's brighter, sharper, and more immersive than traditional projection. Effortlessly upgrade your existing auditorium. Seamlessly replace outdated setups with unmatched longevity with Tricorne Premium LED.

The future of cinema is here. Step into next-gen HDR performance with long-life LED.



ACOUSTICALLY
TRANSPARENT



TRUE
HDR, HFR, 3D



DCI-P3



HIGH
CONTRAST RATIO



SCALABLE
DESIGN



DIVERSIFIED
APPLICATIONS

Copyright © 2026 Tricorne Pte.Ltd. All rights reserved. All trademarks listed in this brochure are properties of their respective owners. Specifications are subject to change without notice due to ongoing product development and improvement.

Perfect for the auditorium of screen sizes from 7m to 30m+

Key Features

► Acoustically Transparent Perforated Design

• Full Sound Transmission:

Engineered for speakers behind the LED. The smallest acoustically transparent pixel pitch available, with either 2.5mm or 3.3mm.

• Universal Compatibility:

Supports conventional cinema speaker system layouts and is compatible with immersive audio formats.

• Total Reflection Elimination:

Complies with acoustic design standards. The screen's sound-transmitting perforations absorb and eliminate noise, delivering cleaner, purer audio quality.

► Seamless Modular Design

• Floor-to-Ceiling and Wall-to-Wall:

Designed with modular and scalable adaptability to deliver resolutions that exceed conventional size limits. Available in flat or curved design to suit any auditorium.

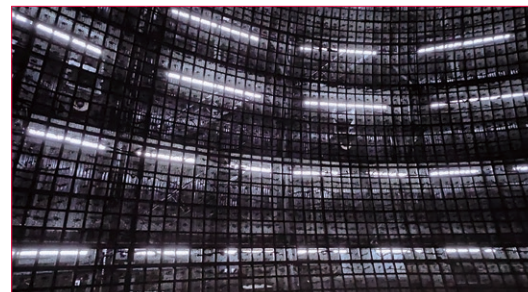
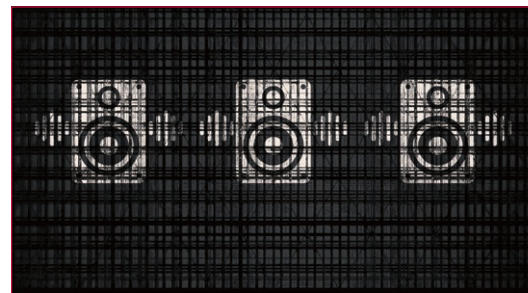
► Unmatched Visual Excellence

• Outstanding Visuals:

Ultra-wide DCI-P3 color gamut, DCI CTP v1.5.0 direct view (HDR) certified—True HDR (High Dynamic Range), HFR (High Frame Rate) and 3D.

• Self-Illuminating Properties:

High brightness, high grayscale levels, and superior contrast ratio, deliver top-tier visual performance, widest viewing angle, darker blacks.



Specifications

Dimension	10.24 x 5.4 m	7.04 x 3.6 m	14.08 x 7.2 m	8.32 x 4.5 m	16.64 x 9 m	10.24 x 5.4 m	20.48 x 10.8 m
Pixel Pitch	2.5 mm	3.3 mm	3.3 mm	4.0 mm	4.0 mm	5.0 mm	5.0 mm
Weight Without Frame	1.34 t	0.62 t	2.43 t	0.91 t	3.58 t	1.34 t	5.28 t
Weight Including Frame*	2.72 t	1.26 t	4.97 t	1.85 t	7.33 t	2.72 t	10.81 t
Idle Power Consumption	3.00 kW	1.21 kW	4.23 kW	1.50 kW	5.40 kW	1.89 kW	6.96 kW
48 nits Content Maximum Power	3.70 kW	1.48 kW	5.34 kW	1.92 kW	7.09 kW	2.47 kW	9.26 kW
300 nits Content Maximum Power	7.80 kW	3.24 kW	12.34 kW	4.49 kW	17.36 kW	6.25 kW	24.39 kW
Brightness (Adjustable)	48 nits (SDR) 300 nits (Max)						
Contrast Ratio	60,000:1						
Viewing Angle	160° (vertical) /160° (horizontal)						
Gray Scale	16 bit						
Alternative Content Interface	HDMI v2.1						
3D (Optional)	Active shutter 3D glasses (up to 48 nits, through glasses)						
Operating Temperature Range	0°C ~ +40°C (32°F to 104°F)						
Non-Operating Temperature Range	-10°C ~ +50°C (14°F to 122°F)						
Storage Temperature Range	-20°C ~ +50°C (-4°F to 122°F)						
Operating Humidity Range	10% ~ 80% Relative Humidity (non-condensation)						
Non-Operating Humidity Range	5% ~ 70% Relative Humidity (non-condensation)						
Storage Humidity Range	10% ~ 90% Relative Humidity (non-condensation)						

* Frame weights in the table exclude the base; base weight is additional and varies by project.