



**UCINE**

**UNILUMIN CINEMA LED**

## Product Introduction



Unilumin has been working intensively in the LED industry for 20 years, focusing on the research, development, and application of LED technology, and especially creating new uses for high-quality LED displays.

UCine Cinema LED possesses independent intellectual property rights and has pioneered the first Cinema LED to pass DCI CTP Test among LED display manufacturers in China, leading the development of China's new motion picture technology.

With its excellent visual enjoyment, UCine cinema LED can not only meet the needs of the high-end cinema market, but also expand its application scope to more diversified scenarios such as games and interactions. In the movie theatre, the audience can enjoy the fantastic audio-visual experience brought by the cinema LED in all directions and at multiple angles, thereby deeply appreciating the infinite possibilities and huge potential of LED display technology.

## 4 DCI-certified products of UCine Series

Upgrade Film Visuals to a Higher Level



2021.5  
UC-A41



2021.11  
UC-A21



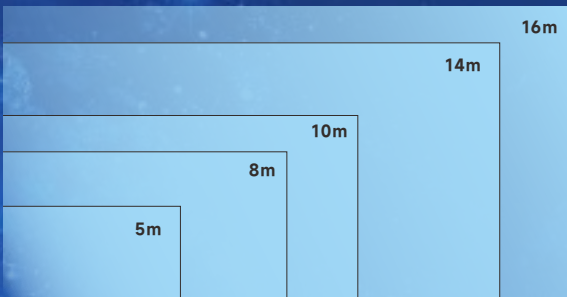
2023.5  
UC-A42



2023.6  
UC-A43

## Multiple Product Options

16m 4K, 14m 4K, 10m 4K, 8m 2K, 5m 2K (coming soon). Available in a variety of sizes to fit different sized theaters. And we have independent production and sustainable innovation capabilities, focusing on products. We have a comprehensive after-sales service system to promptly solve after-sales problems and ensure your box office revenue.



## Save Electricity, Save Money

UCine Cinema LED utilize advanced common cathode technology, which reduces heat generation by 50% compared to the more common anode solution. This innovative approach enables the screens to maintain high visual quality while being more energy-efficient and cost-effective. This technology not only enhances device reliability and stability but also significantly reduces operating costs, providing a solid foundation for sustained cinema operations. Additionally, it aligns with current green environmental initiatives, injecting new life into the sustainable development of the movie industry.

Traditional Solution



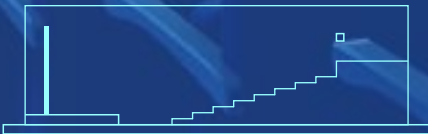
UCine Common Cathode Power Supply Method



Note: "Common cathode" is an energy-saving technology for LED screens that separately powers R, G, and B LED lights and controls their voltage and current optimally.

## Create a Variety of Entertainment to Increase Profits

The modern theater has emerged as a cultural space that welcomes various types of non-movie events, ranging from corporate events and concert viewings to interactive gaming tournaments. As the use demands for theater space evolve, UCine Cinema LED offers the needed versatility to satisfy varying audiences and generate new sources of revenue. The screen maintains its visual settings regardless of the featured on-screen content and accommodates a range of needed ambient light conditions without visual disruption. UCine Cinema LED can transition seamlessly between events without requiring extensive maintenance or external equipment. As LED Cinema does not need a projection room which is necessary in standard projector-style theaters, it guarantees maximizing profits by allowing additional seats.



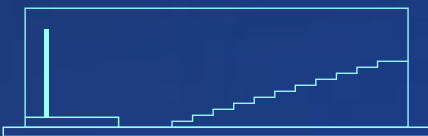
Projector Cinema



Premiere



Din-in Cinema



UCINE Cinema



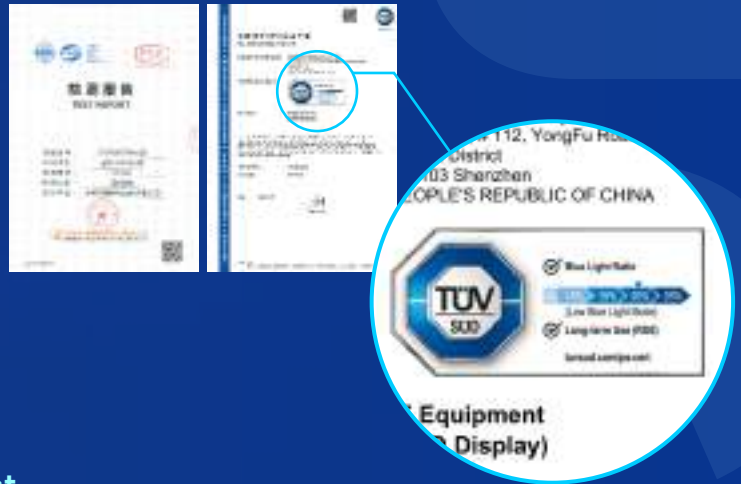
Opera & Concerts



Esport

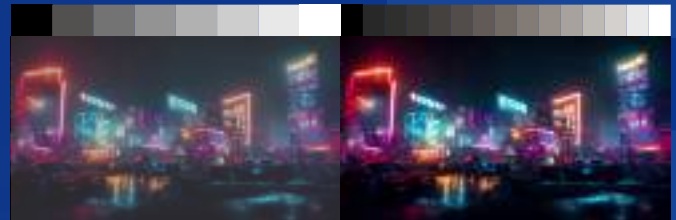
## Professional Eye Care

UCine Cinema LED strives for both excellent display effects and a superior viewing experience for moviegoers. UCine Cinema LED have undergone dual certification for blue light both domestically and internationally. The test conclusion reaches exemption level (RG0: no harm). 0 flicker risk, 3840hz ultra high frequency PWM dimming. This ensures the safety of the human eye while the audience experiences high brightness and high-quality viewing experience.



## Display True Black Through Ultra-contrast

UCine Cinema LED strives for both excellent display effects and a superior viewing experience for moviegoers. Display leverages a unique Ultra Contrast setting to improve viewers' perceptual resolution and deliver onscreen content with greater accuracy and precision. In particular, UCine Cinema LED strives for both excellent display effects and a superior viewing experience for moviegoers. Can display true black colors, offering a superior visual experience to the distorted or grayed-black hues commonly offered by legacy theater technologies.



Projector Cinema

UCINE Cinema

## Self-illumination Presents the Complete Picture

Unlike standard projectors that use a single light source, UCine Cinema LED strives for both excellent display effects and a superior viewing experience for moviegoers. UCine Cinema LED has the characteristic of self-illumination and provides excellent brightness uniformity. Due to the absence of fading and image distortion, UCine Cinema LED can provide clearer and more uniform image presentation throughout the entire screen. Its 160° wide viewing angle makes every seat in the cinema an ideal viewing position.



Projector Cinema

UCINE Cinema

## Excellent Active Shutter 3D

UCine Cinema LED adopts an active shutter style 3D solution, which can maintain the original resolution of the image, making it easy for users to enjoy true HD 3D effects without causing a decrease in image brightness.



## Cases

UCine Cinema in LA, USA\*



UCine Cinema in Northwest China\*



UCine Cinema in South China\*



UCine Cinema in Central China



\*Construction In Progress

## Product Parameter

### - 2K SERIES -

Product parameter	UC- A21	UC- B21 (Coming soon)
Pitch (mm)	4	2.5
Size (m)	8.19×4.32	5.12×2.7
Resolution (px)	2,048×1,080	2,048×1,080
Power consumption per cabinet (W)	65(48Nits) 110 (300Nits)	37(48 Nits) 82 (300Nits)
2D Frame Rate (fps)	96	
3D Frame Rate (fps)	48	
Brightness (typ/max)	48nit/300nit	
Contrast (In dark room)	∞: 1	
Gray Scale (Bit)	16	
Lifetime (h)	100,000	

### - 4K SERIES -

Product parameter	UC-A41	UC- A42	UC- A43
Pitch (mm)	4	3.33	2.5
Size (m)	16.38×8.64	14.08×7.1928	10.24×5.4
Resolution (px)	4,096×2,160	4,224×2,160	4,096×2,160
Power consumption per cabinet (W)	65(48Nits) 110 (300Nits)	31 (48Nits) 90 (300Nits)	37 (48Nits) 82 (300Nits)
2D Frame Rate (fps)	96		
3D Frame Rate (fps)	48		
Brightness (typ/max)	48nit/300nit		
Contrast (In dark room)	∞: 1		
Gray Scale (Bit)	16		
Lifetime (h)	100,000		

# Honor

National Science and Technology Progress Award  
First Class Prize



The Single-product Champion in the Manufacturing Industry  
by China's Ministry of Industry and Information Technology  
(Twice Honored)



2021  
Film High-tech Committee  
"Film Technology Innovation Achievements"



2022  
The 40th anniversary of the Establishment of  
the China Film and Television Technology Society  
"Important scientific and technological innovation project"



2023  
China Film Science and Technology Innovation Summit  
"Outstanding Film Independent Innovation and  
Application Technology Commendation"



2023  
Beijing International Radio, TV & Film Exhibition  
2023 Online & Offline  
"Recommended Item"

# Unilumin

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