

LG Miraclass

Cinema Experience Redefined

LAD033F



* All images in this datasheet are for illustrative purposes only.



Real Black



High Uniformity



DCI-certified



Long Lifetime



Discover New Depths with True Black Immersion

With its series of individual, self-emissive LEDs, the LED screen of LG Miraclass adds extra depth to the dark end of the spectrum. This results in distinctive and eye-catching contrast, taking the viewing experience to a whole new level.



Feast Your Eyes on a Festival of Color

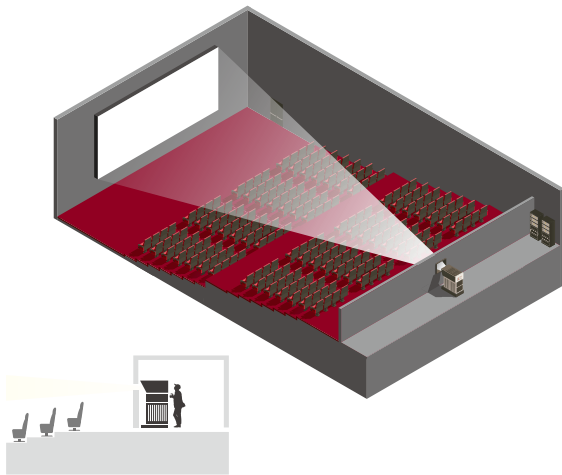
With 24-bit color processing, capable of displaying 68.7 billion color variants, the LG Miraclass reproduces DCI-P3 colors just as the content creators intended. From elegant dark tones to vibrant primary colors and warm earthy hues, movie goers can enjoy a chromatic viewing experience unlike any other.



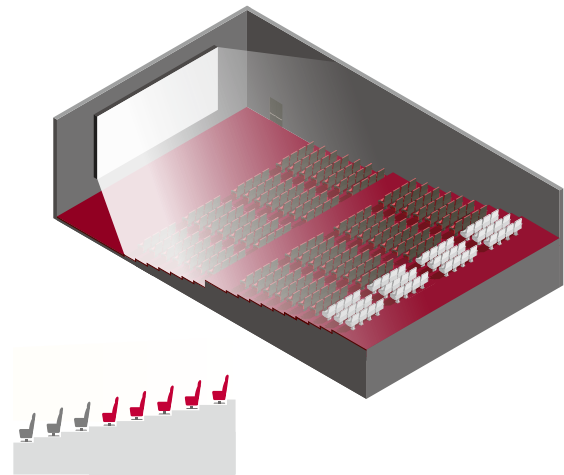
Brightness Brings Detail to Life

Unlike standard projectors, which use a single light source, the LG Miraclass is made up of self-emissive LEDs working independently. The result is bright and brilliant picture quality, with no corner dimming or image distortion. From top to bottom, enjoy clear and consistent image representation.

Conventional Projectors

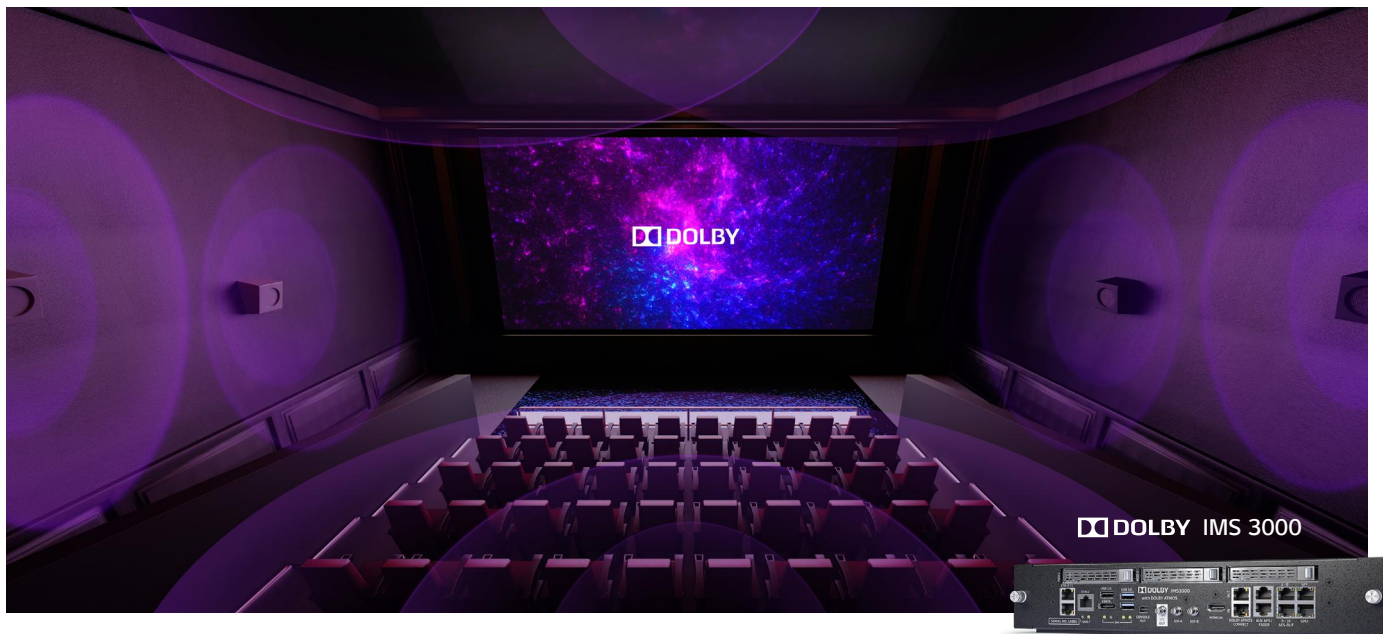


LG Miraclass



The Optimal Space Utilization

As LG Miraclass does not need a projection room which is necessary in standard projector-style theaters, it allows for additional seats or a new space for differentiated services. The space behind the stuffy theater can be reinvented to more customer-satisfying interiors.



Dolby-Compatible LED Screen

The new LG Miraclass can be quickly and seamlessly integrated into theaters, thanks to its compatibility with Dolby, a global leader in the entertainment industry. Dolby IMS supports stable and professional content operation, while the combination of Dolby Atmos sound and LG picture quality makes movies truly memorable.

* Dolby, Dolby Atmos and the double-D symbol are registered trademarks of Dolby Laboratories.

PRODUCT INFORMATION

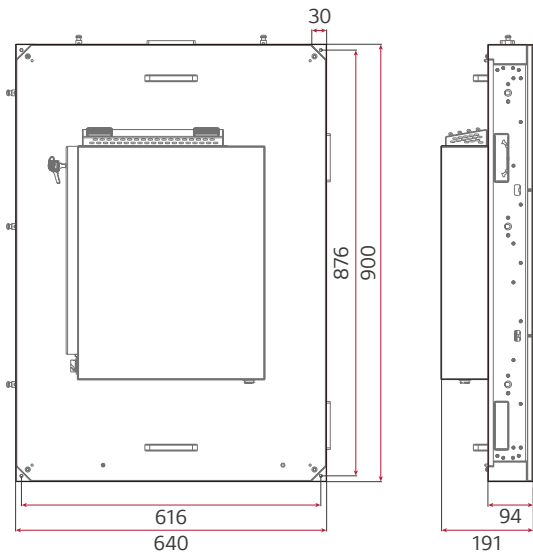


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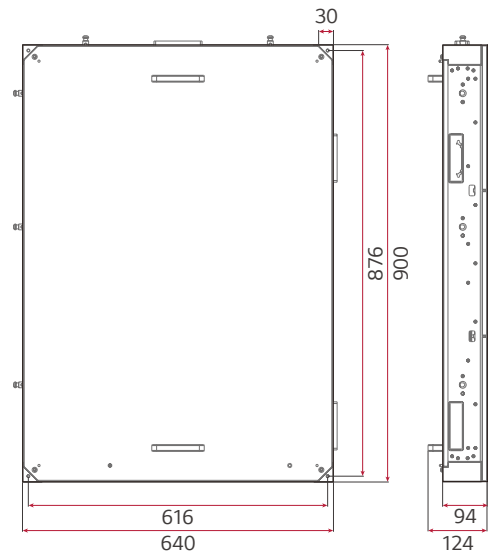
Pitch	3.3 mm
Screen Size	14 m (H) × 7 m (V) / 623 Inch (Diagonal)
Resolution	4,096 × 2,160 (4K / DCI-compliant)
Brightness	48 nit (DCI-compliant / Minimum)
Contrast Ratio	4,000 to 1 (Minimum)
Configuration	176 Cabinets

CABINET DIMENSION

Main Cabinet



Secondary Cabinet



* Dimensions may differ from the above image, so please contact LG sales team to verify before ordering.

SPECIFICATIONS

LAD033F

Pixel	Pitch (mm)	3.3
	LED Type	SMD
	Lifetime (Typical)	100,000 Hours
Cabinet	Modules (W × H, ea)	6 (2×3)
	Resolution (W × H, px)	192 × 270
	Material	Iron & Aluminum
	Dimension (W × H × D, mm)	Main : 640 × 900 × 94 (191 w/Back Cover) Secondary : 640 × 900 × 94 (124 w/Handle)
	Weight (kg)	Main Cabinet : 25 Secondary : 15
	Power Consumption Typical (watts, 48 nit)	Main : 90 Secondary : 52
	Power Consumption (watts, 300 nit)	N/A
	Service Access	Rear Only
Set	Pixels (W × H, Native)	4,224 × 2,160
	Resolution (W × H, Active Area)	4,096 × 2,160
	Pixel Density (px/SQM)	90,000
	Cabinets (W × H, ea)	176 (22 × 6)
	Dimension (W × H, mm)	14,080 × 7,200 (101 sqm)
	Weight (kg)	2,650
	Power Supply	AC100-240 V ~, 50/60 Hz
	Power Type	Built-in Power
	Power Consumption Typical (watts, 48 nit)	9,260
	Power Consumption (watts, 300 nit)	N/A
	Operation Temperature	0°C to 40°C
	Operation Humidity	10% to 80%
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
	Storage Humidity	5% to 85%
General	Frame (Video) Rate (Hz)	24, 25, 30, 48, 50, 60 @ 2D
	Refresh Rate (@ 24 Hz)	3,072
	Brightness (nit, w/Calibration)	48 (DCI)
	Contrast Ratio	≥4000:1
	Color Space (Gamut)	DCI P3
	Viewing Angle (H × V)	160 × 160
	Bit Rate (Greyscale Depth)	16 bit
	Bit Rate (Color Processing / Color)	15 (45 / Total)
	Chromaticity Uniformity	White Uniformity : within ±0.015 x, ±0.015 y
	Color Temperature (White)	(x, y) = (0.314, 0.351) / DCI-P3 Theater
	Certification	DCI, CB, CE-LVD/EMC, FCC, ETL/UL, RoHS, REACH
	Cinema Server Compatibility	Dolby IMS3-L
	Interface	RJ45, HDMI (On IMS Server)

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.



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