* All images are for illustrative purposes only.

LG **LED Cinema** LADF Series

Outshine the Limitation
Find the Opportunities Unreleased

Real Black | High Uniformity | DCI-certified | Long Lifetime

Real Black, Infinite Darkness

The infinite contrast created by the individual LEDs that make up LG LED Cinema creates deep darkness of the content. By bringing fine details perfectly to the screen, it provides viewers an amazing sense of immersion that has never experienced before.

SUPERIOR PICTURE QUALITY

Conventional Projectors   LG LED Cinema

* The above image is for illustrative purposes.

High Uniformity

Unlike standard projectors using a single light source, LG LED Cinema has LEDs emitting individually and offers an excellent brilliance uniformity. As there is no dimming and image distortion like fading, LG LED Cinema delivers a clearer and uniform image representation on the entire screen.
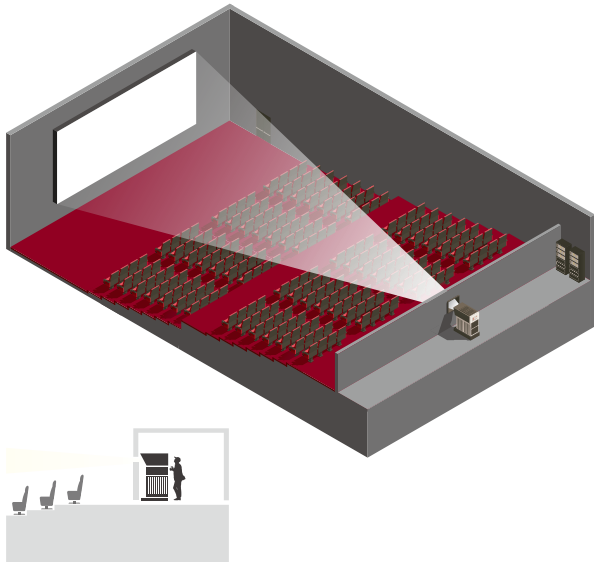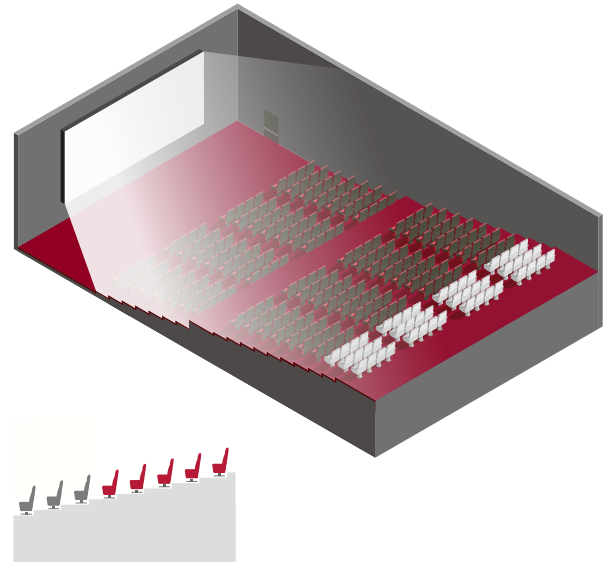

Lifelike Colors

Most cinema screens feature a DCI-P3 Color Gamut spec, but the actual colors that the audience feels may be different. LG LED Cinema accurately reproduces the colors intended by the content creator and delivers the DCI-P3 Color more vividly.
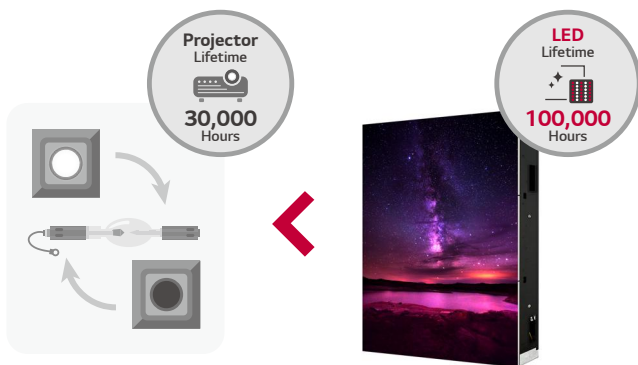
OPERATIONAL EFFICIENCY

Conventional Projectors

LG LED Cinema

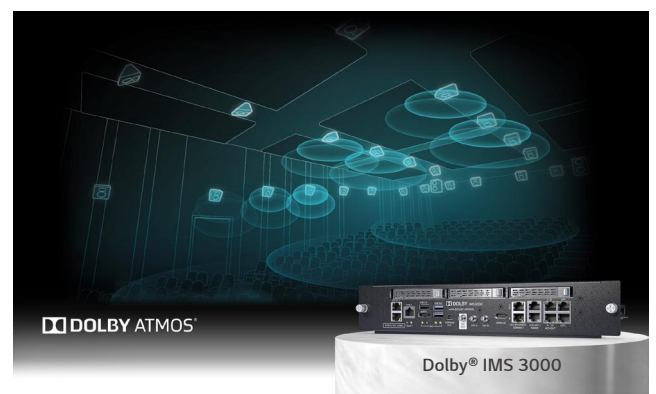* The above image is for illustrative purposes.

The Optimal Space Utilization

As LG LED Cinema does not need a projection room which is necessary in standard projector-style theaters, it guarantees maximizing profits by allowing additional seats. A space behind the stuffy theater can be reinvented to more customer satisfying interiors.

Projector Lifetime
30,000 Hours

LED Lifetime
100,000 Hours

DOLBY ATMOS®

Dolby® IMS 3000

Longer Lifetime 100,000 Hrs

The LG LED Cinema boasts 100,000 hours of long lifetime and saves time and cost for maintenance. It doesn't require replacement of parts like lamps as conventional projectors used to.

Compatibility with Dolby

LG LED Cinema has secured compatibility with Dolby Media Server and Dolby Atmos of Dolby, the global leader in the entertainment industry, to offer the most immersive experiences in sound, as well as picture quality.
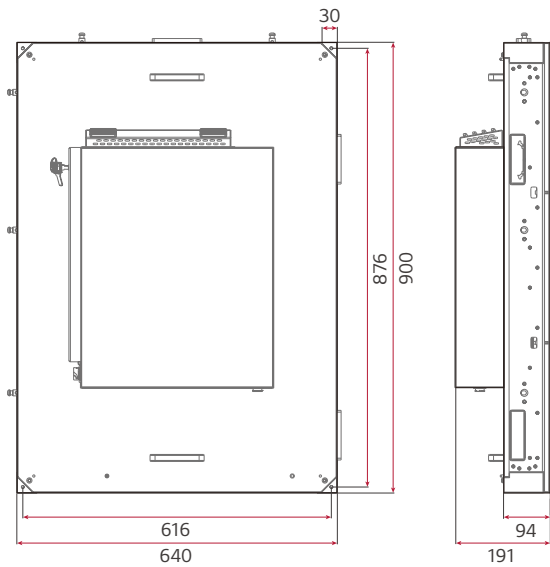
PRODUCT INFORMATION

LAD033F

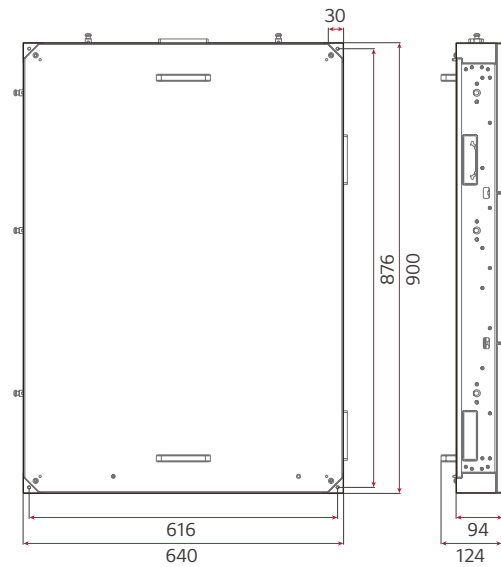| Pitch	3.3 mm
Screen Size	14 m (H) × 7 m (V) / 623 Inch (Diagonal)
Resolution	4,096 × 2,160 (4K / DCI-compliant)
Brightness	48 nit (DCI-compliant / Minimum)
Contrast Ratio	4,000 to 1 (Minimum)
Configuration	176 Cabinets

DIMENSION

(unit: mm)

Main Cabinet

30
876
900
616
640
94
191

Secondary Cabinet

30
876
900
616
640
94
124

SPECIFICATIONS

		LAD033F
Optical Parameters	Pitch	3.3 mm
	LED Type	SMD
	Pixels per LED Module	8,640
	Aspect Ratio (per Cabinet)	64 : 90
	Resolution (per Cabinet)	192 × 270
	Pixels (per Cabinet)	51,840
	Pixel Density (per SQM)	90,000
	Frame (Video) Rate	24 Hz, 25 Hz, 30 Hz, 48 Hz, 50 Hz, 60 Hz
	Brightness (After Calibration)	48 nit (DCI-compliant)
	Contrast Ratio	4000 : 1 (Minimum)
	Color Space (Gamut)	DCI - P3 (DCI -compliant)
	Viewing Angle (Horizontal, Vertical)	120°, 120°
	Color Depth	12 Bit (DCI -compliant)
	Chromaticity Uniformity	In case of White : Within ±0.015 x, ±0.015 y
	Color Temperature (White)	(x. y) = (0.314, 0.351) / DCI -P3 Theater
	Color Temperature (R, G, B)	DCI-P3 theater R: (x. y) = (0.68, 0.32) G: (x. y) = (0.265, 0.690) B: (x. y) = (0.15, 0.06)
	Lifetime	100,000 Hours (LED to Half Brightness)
	Operation Hours	16 Hours per Day / 7 Days per Week
Physical / Electrical Parameters	Modules (per Cabinet)	6 (2 × 3)
	Dimension (LDM)	320 mm × 300 mm
	Dimension (per Cabinet)	640 mm × 900 mm × 124 mm (Including Handle)
	Dimension (4K, Total)	14,080 mm × 7,200 mm (101 sqm)
	Dimension (4K, Active Area)	13,653 mm × 7,200 mm (98 sqm)
	Weight (per Cabinet)	15 kg
	Weight (4K, Total)	2,640 kg
	Material of Cabinet Body	Aluminum
	Heat Generation (per Cabinet)	221 BTU (Max.) / 73 BTU (Typ.)
	Serviceability	Rear only
	Power Supply	AC100 -240 V ~, 50/60 Hz
	Power Type	Built-in Power
	Power Consumption (Max, per Cabinet)	90 watt (Main) / 52 watt (Secondary)
	Power Consumption (Max, 4K)	9,260 W
	Certification	DCI, CB, CE -LVD/EMC, FCC, ETL/UL, RoHS, REACH
	Supported Media Server	Dolby® IMS3000
	Interface	RJ45
	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%

* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.

LG | Business Solutions