



Obsidian Nanofilter Laser Projector (LNF6000B-1)

Obsidian LNF-Series Laser Projectors, provided as part of all Obsidian Total Theater Solutions and Obsidian Commercial Solutions, are designed and optimized to work with our proprietary Obsidian Nanofilter™ Technology to pair in perfect harmony with all Obsidian Nanofilter™ Projection Screens & Lighting Solutions (eg: Obsidian Infinite Screens, Obsidian SHAPES/TILES, and Lighting-by-Obsidian).

By utilizing this unique pairing, Obsidian projectors are able to perform at nearly double market-specified performance-levels of brightness & contrast retention in the presence of ambient light, and offer an unbeatable Ambient-Light Rejecting (ALR) solution like never before seen.

General Specifications		
Model	LNF6000{B}-1	
Brightness	Brightness	*6000lm (*Obsidian Nanofilter™)
Resolution	Resolution	4K Enhancement (native: WUXGA 1920x1200)
Light source	Laser	
Life time	Normal mode	20000hrs
	ECO mode	30000hrs
Projection Lens	Zoom/Focus	Manual
	Throw Ratio	1.08 (wide)-1.76 (tele)
	Zoom Ratio	1.6x
	Screen size	30-300 inch
	Lens Shift	V: +55%~0% H: ±22%
CR	Contrast Ratio (FOFO)	5000000:1
	Contrast Ratio (Native)	500:1
Noise	Noise(dB)	39dB(Normal) 28dB(ECO)
Certifications	cTUVus, RoHS	
Terminals (I/O port)		
Input	HDMI 2.1(IN)	*2
	USB-A	*2
	RJ45	*1
	HD BaseT	*1 (Optional)
	RS232C	*1
Output	Audio port	S/PDIF*1
	Audio out (mini-jack,3.5mm)	*1
Control	RJ45	*1 (Control)

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Electrical Specifications		
Audio	Speaker	16W*1
Power Consumption	Power Requirements	100~240V@ 50/60Hz
	Power Consumption (Normal) (Max)	435
	Power Consumption (ECO) (Max)	240
	ECO Standby Mode Power Consumption	<0.5W
Software Specifications		
Keystone	Keystone Correction (Lens@center)	V: ±30° H : ±25° 4 Corner Correction
	D-Zoom	YES (HDMI input)
	Wireless Projection Function	Optional
	Operating/Standby modes	Normal/ECO
	Light source brightness adjustment	50-100%
	High altitude	Yes (0-3000m)
	Auto Ceiling	Yes
	HDR10	Supported
Physical Specifications		
	Chassis Colour	Black
	MAX Dimensions (WxDxH mm)	405*358*137mm
	Net. Weight (KG)	~7.9Kg
Temperature & Humidity		
	Operating Temp.	0°C - 50°C (0-1700m altitude) 0°C - 40°C (1700-3000m altitude)
	Operating Humidity	20-85%
	Store Temp.	-10 to 50°C