

# Digital Cinema Projector Series NC603L Laser Projector

## DCI-compliant laser light source projector

The NC603L features a built-in laser light source and is the ideal digital cinema projection solution for theaters with small screens or projection booths that are looking for high-quality cinema projection. This projector's reliability, maintenance-free operation and approximately 50,000\* hours of lifetime result in an overall lower total cost of ownership. The 2K DCI-compliant cinema quality means an outstanding image that is bright enough to display 14 ft-L on screens up to 36.1 ft./11m\*\* in DCI color.



## Delivering Genuine Benefits

- Maintenance-free operation for a long period of time with approximately 50,000\* hours expected usage of the light source and DMD
  - Higher reliability
  - Lower running cost due to savings of:
    - (a) No lamp replacement
    - (b) No maintenance labor
    - (c) No need of Stocking Lamps
- Play captivating 3D content - take your establishment into the next generation and stay ahead of the competition with the latest digital content, an increasingly essential element of the latest movies and media
- Highly flexible - as no exhaust system is required, the NC603L is suitable for floor and ceiling installation and versatile content playback

## Outstanding Performance

- Steady and reliable operation without any risk of black screen
  - No downtime while exhibition of contents with Laser Light Source, with which brightness may slightly decrease
- Longevity and lower maintenance provide for greater customer satisfaction with the introduction of the laser light source NC603L projector.
- Enjoy lower TCO - up to 50,000\* hours of lifetime keeps costs to a minimum. You can enjoy better quality imaging while experiencing an overall lower cost of ownership. Brightness decreases in a linear fashion resulting in consistent image quality and greater satisfaction for your customers.

## Super Dust Protection

- NEC's patented heat exchanger along with a newly developed and sealed optical engine offer the best overall performance while providing theater owners a greater piece of mind.

\* At normal usage conditions and does not constitute the warranty period.

\*\* Assuming 1.8:1 gain screen

**Unique Features**

**MAINTENANCE-FREE**

Operation for approximately 50,000\* hours with long life of the light source and DMD.

**SIMPLE OPERATION**

One touch operation, keypad layout and memory functions.

**MANY LENS OPTIONS**

For easy installation.

**HIGH FRAME RATE (HFR) CAPABILITY** for outstanding picture quality.

**Accessories**

**Optional Lenses**

NP-9LS12ZM1, NP-9LS13ZM1

NP-9LS16ZM1, NP-9LS20ZM1

**Ordering Model Numbers**

NP-NC603L



NP-NC603L - 6,000-lumen 2K Laser Projector			
OPTICAL	Projection Method		3-chip DLP Cinema® Technology
	Light Source		Laser Light Source
	DMD Specifications		0.69" S2K DLP Cinema® Chip
	Resolution	Native	2048 x 1080
	Contrast Ratio		1,650:1
	Brightness (Lumens)		6,000
	Light Source Life (up to)		50,000* hours
	Supported Screen Size (width)		Up to 36.1 ft. / 11m
		NP-9LS12ZM1	1.2 - 1.72:1
		NP-9LS13ZM1	1.33 - 2.1:1
		NP-9LS16ZM1	1.62 - 2.7:1
		NP-9LS20ZM1	2.09 to 3.9:1
	Projection Distance		2.9 - 35.9 ft. / 0.9 - 10.9 m
	Tilt Angle		+/-15° (Up / Down) '+10° (Left / Right)
Zoom		Motorized	
Focus		Motorized	
Lens Shift		-0.11	
Cooling Method		Air and liquid cooling inside	
CONNECTIVITY		1x3D(D-sub 15pin female), 1xGPIO(D-sub 37pin female), 1xUSB(Type-A), 1xLAN(100Base-T, RJ45), 1xSERIAL(RS-232C, D-sub 9pin female)	
ELECTRICAL	Power Requirements		200 – 240V AC, 50/60Hz Single Phase
	Input Current		7.4A
	Power Consumption	Max	
		Typical	890W
Heat Load (max. power)	Max	3,412 BTU	
	Typical	3,037 BTU	
MECHANICAL	Product Dimensions (WxHxD)**		26.8 x 13.1 x 33.9 in. (680 x 333 x 860mm)
	Net Weight		130 lbs. / 59 kg (excluding lens)
	Shipping Dimensions (WxHxD)		47.4 x 24.7 32.3 in. (1205 x 626 x 821 mm)
	Gross Weight		170 lbs. (77 kg)
	Fan Noise		39.0dB
ENVIRONMENTAL	Operating	Temperature	50°-96°F / 10°-35°C
		Humidity	10 to 85% Humidity (Non-Condensing)
		Altitude	0 to 3000 m (9,800 ft)
	Storage	Temperature	14°-122°F / -10°-50°C
		Humidity	10% - 85% (non-condensing)
		Altitude	0-12,000m / 0-39,370ft (above sea level)
Regulations	USA		Safety: UL62368-1, EMC: FCC Part15 ClassA (ANSI C63.4-2014), Marking: cTUVus, FCC
	Canada		Safety: CAN/CSA C22.2 No. 62368-1:19 (3rd edition), EMC: ICES-003 Issue7, ClassA, Marking: CAN cTUVus, ICES-3(A)/NMB-3(A)
	Latin America		IEC62368-1, CISPR 22, CISPR 24, CISPR 32, CISPR 35 CLASS A
	Laser Safety	USA	IEC60825-1 Ed.3:2014 Class 1 IEC62471-5 :2015 Risk Group 3, Laser Notice No. 57
Others		IEC60825-1 Ed3 2014 Class1, IEC62471-5 Risk Group3	
Limited Warranty (Parts & Labor)		Registered owners receive a 2-year parts and labor warranty	

\* At normal usage conditions and does not constitute the warranty period.

\*\* At overdrive setting off

\*\*\* Without lens and protrusions

\*\*\*\* Without lens

\*\*\*\*\* This product complies with performance standards for laser products under 21 CFR Part 1040 except with respect to those characteristics authorized by Variance Number 2015-V-3435 effective on April 7, 2016.

DO NOT LOOK DIRECTLY INTO THE BEAM

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