

# 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

DLP Cinema and teh DLP Cinema logo are trademarks or registered trademarks of Texas Instruments in the United States and other countries. All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change.