Cinema Projector - 4K - Laser

NEC NC1843ML



Greater flexibility with modular cinema projection solutions

- Modular Light Source achieve the light output which is perfectly adjusted to your requirements with exchangeable light modules 24,500lm, 20,000lm and 18,000lm for different brightness demands.
- Optimise yor cost ownership take advantage of new financing structures; lease your light engine and only pay for the light you use.
- Virtually zero maintenance - no lamp and no filter replacement costs, no maintenance personnel costs and no lamp stock due to the innovative Laser Light engine.
- Enjoy a Lower TCO - highest reliability, maintenance-free operation, low power consumption and up to 50000 hours life; the Laser light source results in a significantly lower total cost of ownership.
- Sealed optical engine minimising dust ingress, consistent performance is assured and no special maintenance is required.

Specifications

General

Series	[nc-series]
Order Code	40001394

Image

Brightness Up To (lm)	18000
Cooling Method	Circulating air cooling system
DMD Pixels	4096 x 2160
DMD Chip	0.98" TRP 4K DLP
Lens Other	Range of shift is dependent on lens
Primary Lenses	NC-60LS16Z:1.59-2.53:1, NC-60LS24Z:2.4-3.9:1, NC-60LS39Z:3.9-6.52:1, NC-60LS14Z:1.4-2.05:1, NC-60LS12Z:1.2-1.81:1
Lens Zoom / Focus / Shift Motorized	Yes
Laser Light Source Expected Life Up To (h)	50000
Projection Method	3-chip 0.98“ DC4K DMD
Screen Size Up To (m)	19

Connectivity

External Controls	1 x D-Sub 9 pin (RS-232), 1 x RJ45 100Base-T, 1 x USB port (TypeA), 1 x GPIO (3D) (D-sub 15 pin female), 1 x GPIO (D-sub 37 pin female)

Electrical

Heat Dissipation Max (BTU)	11540
Power Consumption typ. (W)	3146
Power Consumption Laser Module typ. (W)	2794
Power Consumption Projector (W)	352
Power Supply	200 to 240V AC, 50/60Hz, single phase, Built-in power supply
Rated Input Current Projector Power 200-240V (A)	19.1

Mechanical

External Width (mm)	697
External Height (mm)	509.5
External Depth (mm)	1095
Fan Noise less than (dB-A, ISO 9296)	50
Weight (kg)	153

Environmental Conditions

Operating Humidity Non-condensing (%)	10 - 85
Operating Temperature (°C)	10 to 35
Storage Humidity Non-condensing (%)	10 - 85
Storage Temperature (°C)	-10 to 50

Regulatory

Europe	CE, DCI 1.2, EN55024, EN55032 Class A (Marking TUV,CE), EN61000-3-11, EN61000-3-12, EN61000-3-2, EN61000-3-3, EN62368-1: 2nd Edition
Russia/Belarus/Kazakhstan	EAC, EN55024 1998, EN61000-3-2, EN61000-3-3, EN55032 1998, Class A, EN62368-1: 2nd Edition
Warranty Light Source	2 years or 7500h (whatever comes first)
Parts Warranty (years)	2

Green Features

Ecological Materials	Laser technology reduces power usage and reduces replacement materials required

Interfaces: Dolby IMS3000 (optional)

Additional Features	Integrated SMS, Integrated Storage: 2 TB (net), NAS support
Input Terminals	2 x 3GSDI bidirectional (input and output), HDMI, 2 x USB Type 3.0, 1 x USB Type 2.0, eSATA
Output Terminals	2 x RJ45 (16-channel AES3-EBU Digital Audio)

Additional Features

Special Characteristics	Built-in IMS (IMS3000, optional), Compact model, Dust sealed optical engine, Laser Light System, Latest digital technology, Low TCO, Metal filter, Modular Light Source, Reduced costs, DCI compliant

LASER PHOSPHOR

© 2026 Sharp Display Solutions Europe GmbH. All rights reserved. All product names, company names, logos, trademarks, service marks and registered trademarks are the property of their respective owners. Design, features and specifications are subject to change without notice. Information is believed to be accurate at the time of publication. Errors and omissions excepted. Revision date: 09 July 2026. NEC NC1843ML, 15/10/2026