

Cinema Projector - 4K - RB Laser

# Sharp NC-3543



The first RB laser projector for premium and large format screens With the Sharp NC-3543 4K RB laser projector cinemas are taking advantage of both laser phosphor and RGB laser technologies resulting in a powerful projector which delivers

- Enjoy a Lower TCO - highest reliability, maintenance-free operation, low power consumption and up to 40000 hours life; the Laser light source results in a significantly lower total cost of ownership.
- Outstanding Picture Quality full 4K resolution (4096 x 2160 pixel) and wide colour space combined with a homogeneous and contrast-rich laser image quality creates a unique immersive cinema experience.
- Brilliant for every purpose The brightness output can be individually adjusted to provide crisp images whether enjoying 2D and 3D movie playback.
- One box solution the projector is easy to handle and install as an all-in-one-device solution without the need for an external chiller, external laser light source or external exhaust system.
- Big on brightness the high brightness output of 35000 lumen creates outstanding images on screen sizes of up to 32 m.

# Specifications

## General

|            |             |
|------------|-------------|
| Series     | [nc-series] |
| Order Code | NC3543      |

## Image

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Brightness (lm)                      | 35000                                                                                                                 |
| DMD Pixels                           | 4096 x 2160                                                                                                           |
| DMD Chip                             | 1.38" DLP                                                                                                             |
| DMD Tilt Angle (°)                   | 12                                                                                                                    |
| Lens Shift                           | Horizontal/Vertical Motorized                                                                                         |
| Lens Other                           | Lens memory stores lens setting (shift/zoom/focus), Range of shift is dependent on lens                               |
| Primary Lenses                       | NC-50LS18Z:1.63-2.71:1, NC-50LS16Z:1.44-2.16:1, NC-50LS12Z:1.13-1.66:1, NC-50LS14Z:1.3-1.85:1, NC-50LS21Z:1.95-3.26:1 |
| Lens Zoom / Focus / Shift Motorized  | Yes                                                                                                                   |
| Laser Light Source Expected Life (h) | 40000                                                                                                                 |
| Projection Method                    | 3-chip 1.38" DC4K DMD                                                                                                 |
| Screen Size Up To (m)                | 32                                                                                                                    |

## Connectivity

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| External Controls | 1 x RJ45 100Base-T, 1 x GPIO (D-sub 0 pin female), 1 x GPIO (3D) (D-sub 15 pin female) |
|-------------------|----------------------------------------------------------------------------------------|

## Electrical

|                            |                                       |
|----------------------------|---------------------------------------|
| Heat Dissipation Max (BTU) | 15303                                 |
| Power Consumption typ. (W) | 4485                                  |
| Power Supply               | 200 to 240V AC, 50/60Hz, single phase |

## Mechanical

|                                      |      |
|--------------------------------------|------|
| External Width (mm)                  | 697  |
| External Height (mm)                 | 455  |
| External Depth (mm)                  | 1180 |
| Fan Noise less than (dB-A, ISO 9296) | 55   |
| Weight without Lens (kg)             | 169  |

## Environmental Conditions

|                                       |           |
|---------------------------------------|-----------|
| Operating Humidity Non-condensing (%) | 10 to 80  |
| Operating Temperature (°C)            | 10 to 35  |
| Storage Temperature (°C)              | -10 to 50 |

## Regulatory

|                        |                                                                                                                                                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Europe                 | EN61000-3-2/-3-3, EN55022 1998, Class A, IEC60950-1 / EN55022 Class A (Marking EAC), IEC60825-1 Ed3 2014, EN62368-1: 2nd Edition, EN61000-3-2, EN61000-3-3, EN60950-1, TÜV-GS, EN55032 Class A (Marking TUV,CE), IEC62471-5 Ed1 2015, EN55024 1998, EN55024 3 years or 10000h (whatever comes first) |
| Warranty Light Source  | 3                                                                                                                                                                                                                                                                                                    |
| Parts Warranty (years) | 3                                                                                                                                                                                                                                                                                                    |

## Green Features

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecological Materials | Eliminate waste and landfill implications associated with 35mm media, Laser technology reduces power usage and reduces replacement materials required |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

## Additional Features

|                         |                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------|
| Special Characteristics | Laser Light System, High 4K resolution, Wide laser colour space, RB laser light source, DCI compliant, Low TCO |
|-------------------------|----------------------------------------------------------------------------------------------------------------|

## Interfaces: Dolby IMS3000 (optional)

|                  |                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------|
| Input Terminals  | HDMI, eSATA, 1 x USB Type 2.0, 2 x USB Type 3.0                                                                        |
| Manufacturer     | Dolby (The Dolby IMS3000 is not a Sharp product. Sharp shall not in any way be liable for any product specifications). |
| Output Terminals | 2 x RJ45 (16-channel AES3-EBU Digital Audio)                                                                           |

