

## Specifications

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<b>Manufacturer's name</b>	Lightwave Research
<b>Manufacturer's address</b>	Lightwave Research High End Systems, Inc. 2217 West Braker Lane Austin, Texas 78758 U.S.A.
<b>Product Name</b>	Nebula™ Diffusion Hazer
<b>Product Number</b>	NBL01

### Power Requirements

- 120 VAC, 60 Hz, 2 A
- 230 VAC, 50 Hz, 1 A
- 250W at 120VAC and 230VAC

### Fuses

- 120VAC - 250V, 7A, Slow Blow Only
- 230VAC - 250V, 4A, Slow Blow Only

### Electronics

- Over-temperature protection
- Parallel-inverted Silicon Controlled Rectifiers (SCRs), also called *thyristors*

### Weight

- 15 Kg (33 lbs) with empty tank

### Assembled Unit Dimensions (including handles)

- 30 cm (12 inch) Height
- 53 cm (21 inch) Width
- 51 cm (20 inch) Length

## Fluid

- Use only Nebula™ Haze Fluid, available from your High End Systems dealer/distributor (part number 05040013 for four, 2-liter bottles). *Use of any other fluid will void the warranty.*

## Cables and Connectors

- **DMX data cables:** Belden® 9841 or equivalent (meets specifications for EIA RS-485 applications) with characteristics listed below:
  - 2-conductor twisted pair plus a shield
  - maximum capacitance between conductors - 30 pF/ft.
  - maximum capacitance between conductor and shield - 55 pF/ft.
  - maximum resistance of 20  $\Omega$ /1000 ft.
  - nominal impedance 100–140  $\Omega$
  - 22–24 AWG with insulation having a dielectric rating of 300 volts or higher
- **DMX data connectors:** Standard 3-pin male and female XLR connectors
- **DMX data terminators:** Standard 3-pin male XLR connector with 120 ohm terminator (see the section titled “Terminators” on page 36).

## Safety Standards

- EN 60335-1

## EMC Standards

- EN 50081-1 : 1992
- EN 50082-1 : 1992

