Studio Color® 575

Studio Color® 575 Architectural Specifications

The unit shall be model Lightwave Research® Studio Color® 575 . The light source shall be a custom MSR 575-2 or long life MSD 575 discharge light source which shall provide a color temperature of 6200° Kelvin. The light source shall incorporate provision for modifying this color temperature to 3000K through the use of a dichroic color correction filter. Additionally infinite up/down subtractive color correction shall be achievable by making use of the three variable color mixing wheels. Fixture parameters including position, color, intensity, strobe and beam shaping shall be remotely controllable and pre-programmable via DMX-512 standard lighting protocol. The fixture shall use micro stepped motors for all automated moving functions. The fixture shall possess a subtractive color mixing system which, in combination with a multi-color wheel shall enable it to achieve virtually unlimited selections of colors and shades. Yoke positioning accuracy shall be 19.8" (Sec.) (0.0055°). The yoke shall be able to pan from 0° to 370° and tilt from 0° to 240° and shall be user selectable as 8 or 16 bit. Beam angle shall be variable between 8 and 22 degrees. The Studio Color 575 fixture shall possess automatic voltage selection for electronics and motors at voltages anywhere between 100 and 250 VAC 50-60 Hz. The fixture shall be power factor corrected and shall possess an alpha-numeric display and menu system for addressing, configuration and diagnostic modes. LEDs shall be provided as indicators for power, status, and data transfer monitoring. The Studio Color 575 fixture shall weigh 26 Kg. (57 Lb). Minimum 'handle to handle' truss spacing shall be 56 c.m. (22"). Dimensions of the fixture shall be 483 m.m. W x 610 m.m. H x 381 m.m. D (19" W x 24" H x 15.4" D) with the lamp head positioned 90° to the yoke. Dimensions of the fixture shall be 483 mm W x 653 mm H x 305 mm D (19" W x 25.7" H x 12" D) with the lamp head in the full down position.
The Studio Color 575 shall be ETL and cETL listed and shall comply with the requirements of European standards for safety EN 60598-1 and EN 60598-2-17. The fixture shall comply with US CFR47, Part 15, FCC interference limits for Class A digital devices and with European standards for electromagnetic compatibility: EN 55022, Class A limits for emissions, and IEC 801-2, IEC 801-3, and IEC 801-4 for susceptibility. The fixture shall be identified as Studio Color® 575. It shall be manufactured and sold by High End Systems, Inc., of Austin, Texas, USA.