

BARCO 800 SPECIFICATIONS

I. RGB TTL circuit

Input: D9 connector, CGA and EGA compatible.

II. RGB(S) analog circuit

RGsB: for sync on Green or

RGBS: for separate sync, Hor and Vert sync or composite sync.

Input: 5 BNC connectors

Red: 0.7 Vpp ~ 3 dB

Blue: 0.7 Vpp ~ 3 dB

Green: 0.7 Vpp ~ 3 dB

1 Vpp ~ 3 dB if sync on green

Vert sync: 1 Vpp ~ 3 dB or 4 Vpp ~ 3 dB

Hor sync / comp. sync: 1 Vpp + 3 dB or 4 Vpp + 3 dB

III. Deflection circuits

Vertical deflection

Frequency: from 45 Hz to 120 Hz

Retrace time: < 200 us

Horizontal deflection

Frequency: from 15 kHz to 90 kHz

Retrace time: < 2.5 us

IV. High voltage

Stabilized EHT: 34.7 kV

V. Power requirements

- 220 V ac to 240 V ac or 110 V ac internal switchable
- frequency independence between 40-100 Hz
- power consumption: 350 W

VI. Display

Projection tubes: - 8" high resolution squar projection tubes

- liquid cooled system
- Red, Blue and Green CRT'S

Lenses: high resolution F1.06 Hybrid lenses

Image format: 3 x 4

Image dimensions (standard version) min:

120x80 cm (4x3 ft)

max: 600x450 cm (20x15 ft)

Throw distance: (see table)

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Max. light output: At 10% peak white: 825 lumen

At 20% peak white: 575 lumen

Screen application: flat, parabolic or cylindrical screen

Geometric distortion: + 1% in circle equal to image height, + 1.5% outside

Convergence: calibration using 25 independent zones.

VII. Mechanical characteristics

Dimensions: see drawing on next page

VIII. Mounting

Table standard or ceiling; front or rear projection possibility.

Adaptation ceiling-table: incorporated switches

Adaptation front-rear: incorporated switches

IX. Safety

IEC950

X. Environment

The projector is designed to be used within the following operating range.

Max. operating range

Temperature: 0° - 40°C

Humidity: 0 - 90% non condensing

Altitude: 0 - 3000 m (0 - 10000 ft)

Storage

Temperature: - 30° to 65°C

XI. Weight

60 kg (133 lbs)

