MECHANICAL SPECIFICATIONS

DIMENSIONS

<table>
<thead>
<tr>
<th>FIXTURE</th>
<th>BOXED FOR SHIPPING</th>
</tr>
</thead>
<tbody>
<tr>
<td>in:</td>
<td>11.6 x 19.6 x 21.4</td>
</tr>
<tr>
<td>mm:</td>
<td>295.1 x 497.5 x 537.6</td>
</tr>
<tr>
<td>Weight:</td>
<td>22.4 kg (49 lb)</td>
</tr>
<tr>
<td>in:</td>
<td>19 x 26 x 31</td>
</tr>
<tr>
<td>mm:</td>
<td>480 x 657 x 784</td>
</tr>
<tr>
<td>Weight:</td>
<td>29 kg (63 lb)</td>
</tr>
</tbody>
</table>

Mounting Information

Studio Color 250 may be mounted by attaching suitable clamps with locking washers through the center holes on the base of the fixture. Cheeseborough truss clamps and ½” nut/bolt sets may be purchased separately. Studio Color 250 can also be stood on its rubber feet on a sturdy, stable surface.

Colors Available: Black

Turning Radius: 18 in (457 mm)

ELECTRICAL SPECIFICATIONS / LIGHT SOURCE

Lamp MSD 250/2

Power Consumption

- 100V 50HZ @ 3.75A
- 120V 50HZ @ 3.13 A
- 230V 50HZ @ 1.6A
- 100V 60HZ @ 3.75A
- 120V 60HZ @ 3.13 A
- 208V 60HZ @ 1.8A

Rated Power

375 W

Power Factor

- 120V, 60HZ: 0.96
- 230V, 50HZ: 0.90

Light Output

7000 ANSI lumens

Lamp Life

2000 hours

Color Temperature

6500 K

Control Options: DMX-512, On Board Programming/Playback, Time Code Sync, Internal Effects, Fixture Talkback

Address Methods: LED Display, Fixture Talkback

Software Updates

Operating software may be downloaded from the High End Systems web site (www.highend.com), and uploaded using a High End Systems dongle.

Compliances

Studio Color 250 is CE, CETL, and ETL compliant.

DMX Connectors

3-pin or 5-pin male and female XLR connectors

Environmental Tolerances

- Maximum Ambient Temperature: 50°C (122°F)
- Maximum Exterior Surface Temperature: 100°C (212°F)
- Minimum distance to flammable objects: 3.28 ft (1.0 m)
- Minimum distance to lighted object: 3.28 ft (1.0 m)

PART NUMBERS

Fixtures

- 42010003 - Studio Color MSD 250/2 Automated Wash Fixture, w/lamp
- 42010004 - Studio Color MSD 250/2 Automated Wash Fixture, w/Laser Aiming Device, w/lamp

Accessories

- 26040002 - DMX Upload Dongle

Lamps

- 55030051 - Studio Color 250 Replacement Lamp, Phillips MSD 250-2

Flight Cases

- 40070005 - Road Case, Studio Color 250 & Studio Spot 250, Single Fixture Pro
- 40070006 - Road Case, Studio Color 250 & Studio Spot 250, Single Fixture Standard
- 40070002 - Road Case, Studio Color 250 & Studio Spot 250, Dual Fixtures Pro
- 40070003 - Road Case, Studio Color 250 & Studio Spot 250, Dual Fixtures Standard
DMX CHANNELS

<table>
<thead>
<tr>
<th>Channel</th>
<th>Function</th>
<th>Channel</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pan Coarse</td>
<td>9</td>
<td>Beam Shaping</td>
</tr>
<tr>
<td>2</td>
<td>Pan Fine</td>
<td>10</td>
<td>Focus</td>
</tr>
<tr>
<td>3</td>
<td>Tilt Coarse</td>
<td>11</td>
<td>Shutter</td>
</tr>
<tr>
<td>4</td>
<td>Tilt Fine</td>
<td>12</td>
<td>Dim</td>
</tr>
<tr>
<td>5</td>
<td>Color Function</td>
<td>13</td>
<td>Motor Speed</td>
</tr>
<tr>
<td>6</td>
<td>Cyan</td>
<td>14</td>
<td>Macro/LAD</td>
</tr>
<tr>
<td>7</td>
<td>Magenta</td>
<td>15</td>
<td>Control</td>
</tr>
<tr>
<td>8</td>
<td>Yellow</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DMX Channels: 14  Fixtures per Universe: 36  
Internal Preset Scene Memory: 2 Banks, 16 Scenes per Bank

COLOR WHEEL

Studio Color 250 features CMY subtractive color mixing.

Each color mixing wheel includes 2 additional fixed colors.

Cyan Color Wheel includes:
1. Cyan color mixing portion
2. Dark Blue
3. UV (Black Light)

Magenta Color Wheel includes:
1. Magenta color mixing portion
2. Aqua
3. Red

Yellow Color Wheel includes:
1. Yellow color mixing portion
2. Amber
3. CTO

EFFECTS WHEEL

Studio Color 250 features a beam shaping (lenticular) wheel.