MECHANICAL SPECIFICATIONS

Mounting Information: Mount the Studio Spot 575 CMY fixture by attaching suitable clamps with locking washers through the center holes of the fixture.
Minimum Focus Distance: 1 m (3.9 ft)

Cheeseborough truss clamps and ½” nut/bolt sets may be purchased separately.
The fixture can also stand on its rubber feet on a sturdy, stable surface.

Colors Available: Black
Turning Radius: 22 in (558 mm)

ELECTRICAL SPECIFICATIONS/LIGHT SOURCE

Power Consumption:
100V 50HZ @ 7.0A
230V 50HZ @ 3.0A
100V 60HZ @ 7.0A
230V 60HZ @ 3.0A

Rated Power: 700W maximum
Power Factor:
0.96 @ 230V/50Hz
0.99 @ 100 V/60Hz

Lamp Options: MSR 575/2 or optional MSD 575 for longer lamp life

Lamp Specification:

<table>
<thead>
<tr>
<th>Lamp</th>
<th>ColorTemp</th>
<th>Lamp Life</th>
<th>Light Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSR 5752</td>
<td>620K</td>
<td>500-750 hrs</td>
<td>9000 lumens</td>
</tr>
<tr>
<td>MSD 575</td>
<td>560K</td>
<td>3000 hrs</td>
<td>7500 lumens</td>
</tr>
</tbody>
</table>

Center Beam Candela: 220,000
Beam Angle Degrees: 10
Field Angle Degrees: 18

Environmental Specifications:
Maximum Ambient Temperature (Tₐ): 40°C (104°F)
Maximum Exterior Surface Temperature: 200°C (392°F)
Maximum winding temperature, Tw: 130°C (266°F)
Maximum capacitor temperature, Tc: 85°C (185°F)
Minimum Focus Distance: 1 m (3.9 ft)

OPERATION

Pan: 370°
Tilt: 255°
Field Angle: 13° (optional) 18° or 30°

Compliances: CE, CETL, and ETL compliant.

Software Upgrades: Download operating software from the High End Systems website (www.highend.com) and upload using Echo Software.

PART NUMBERS

Fixtures
39010003 - Studio Spot 575 CMY Automated Luminaire, w/lamp

Accessories
39060001 - Studio Spot 575 13° Narrow Angle Lens Assembly
39060002 - Studio Spot 575 18° Standard Angle Lens Assembly
39060003 - Studio Spot 575 30° Wide Angle Lens Assembly

Lamps
55030052 - Studio Spot 575 Replacement Lamp, Philips MSR 575-2
55030050 - Studio Spot 575 Replacement Lamp, Philips MSD 575

Flight cases
39070001 - Road Case, Studio Spot 575HC, Single Fixture
39070002 - Road Case, Studio Spot 575HC, Dual Fixtures
DMX Control

Control Options: DMX-512, On Board Programming/Playback, Internal Effects
Address Methods: LED Display, Fixture Talkback.
DMX/DMX Data Connectors: 3-pin male and female XLR connectors
DMX Channels: 24
Fixtures per Universe: 21
Internal Preset Scene Memory: 1 bank, 16 scenes

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</td>
<td>13</td>
<td>Litho Wheel 2 Function</td>
</tr>
<tr>
<td>2</td>
<td>Tilt</td>
<td>14</td>
<td>Litho Wheel 2 Position</td>
</tr>
<tr>
<td>3</td>
<td>Color Wheel 1 Function</td>
<td>15</td>
<td>Litho Wheel 2 Rotation</td>
</tr>
<tr>
<td>4</td>
<td>Color Wheel 1 Function</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Cyan</td>
<td>17</td>
<td>Frost (Variable)</td>
</tr>
<tr>
<td>6</td>
<td>Magenta</td>
<td>18</td>
<td>Focus</td>
</tr>
<tr>
<td>7</td>
<td>Yellow</td>
<td>19</td>
<td>Iris</td>
</tr>
<tr>
<td>8</td>
<td>Litho Wheel 1 Function</td>
<td>20</td>
<td>Shutter (mechanical strobe)</td>
</tr>
<tr>
<td>9</td>
<td>Litho Wheel 1 Position</td>
<td>21</td>
<td>Dim</td>
</tr>
<tr>
<td>10</td>
<td>Litho Wheel 1 Rotation</td>
<td>22</td>
<td>Motor Speed</td>
</tr>
<tr>
<td>11</td>
<td>Control</td>
<td>23</td>
<td>Factory Macros</td>
</tr>
<tr>
<td>12</td>
<td>Control</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

Color Wheels

Studio Spot CMY models use two dual wheels with graduated color. Color mixing is achieved by setting different position combinations on each of the dual color wheels.

Litho Wheel 1

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open</td>
</tr>
<tr>
<td>2</td>
<td>Triwing</td>
</tr>
<tr>
<td>3</td>
<td>Lava</td>
</tr>
<tr>
<td>4</td>
<td>Hollywood Stars</td>
</tr>
<tr>
<td>5</td>
<td>Wavy Tunnel</td>
</tr>
<tr>
<td>6</td>
<td>Shatters</td>
</tr>
</tbody>
</table>

Litho Wheel 2

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open</td>
</tr>
<tr>
<td>2</td>
<td>Lenticular Effect Glass</td>
</tr>
<tr>
<td>3</td>
<td>Wide Slow Effect Glass</td>
</tr>
<tr>
<td>4</td>
<td>Building Blocks</td>
</tr>
<tr>
<td>5</td>
<td>Jax</td>
</tr>
<tr>
<td>6</td>
<td>Gatlin Gun</td>
</tr>
</tbody>
</table>

Lithopatterns Specifications

Resolution: 300 d.p.i.
Diameter: 1.435 in ± 0.006 in (36.449 mm ± 0.15 mm)
Image area: 1.250 in ± 0.010 in (31.750 mm ± 0.25 mm)
Thickness: 0.070 in ± 0.010 in (1.778 mm ± 0.25 mm)

Effects Glass Specifications

Diameter: 1.430 in ±0.125 in ± 0.010 in (3.175 mm ± 0.25 mm)
Image Area: 1.250 in ± 0.010 in (31.750 mm ± 0.25 mm)
Thickness: 0.125 in ± 0.010 in (3.175 mm ± 0.25 mm)

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