

MECHANICAL SPECIFICATIONS

DIMENSIONS

FIXTURE

in: 12.0 x 18.8 x 27.5

mm: 305.0 x 477.7 x 713.3

Weight: 26.7 kg (58 lb)

BOXED FOR SHIPPING

in: 20 x 26 x 36

mm: 506 x 657 x 910

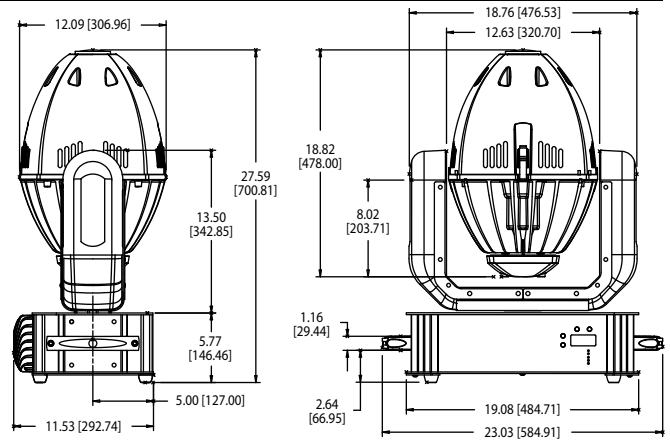
Weight: 36 kg (79 lb)

Mounting Information

Studio Spot CMY may be mounted by attaching suitable clamps with locking washers through the center holes on the base of the fixture. Cheeseborough truss clamps and 1/2" nut/bolt sets may be purchased separately. Studio Spot CMY 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

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

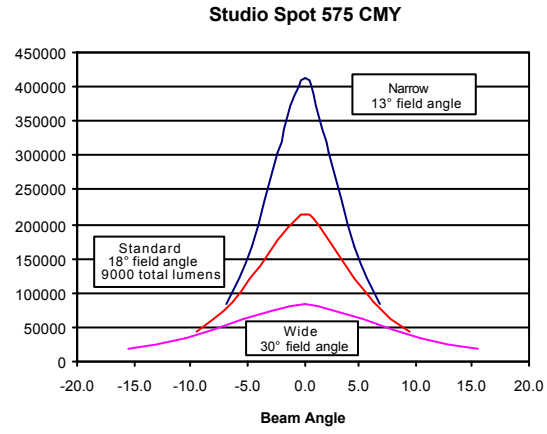
Power Consumption 100V, 50HZ @ 7.0A
230V, 50HZ @ 3.0A
100V, 60HZ @ 7.0A
230V, 60HZ @ 3.0A

Rated Power 700W max

Power Factor 0.96 @ 230V/50HZ
0.99 @ 100V/60HZ

	MSR 575/2	MSD 575
Light Output	9000 ANSI lumens	7500 ANSI lumens
Lamp Life	500 - 750 hours	3000 hours
Color Temperature	6200K	5600K

Throw	Center Beam Candela	Beam Angle Degrees	Field Angle Degrees
	220,000	10	18
Center Beam	Beam Diameter	Field Diameter	
5	8,800	0.9	1.6
10	2,200	1.7	3.2
15	978	2.6	4.8
20	550	3.5	6.3
25	352	4.4	7.9
30	244	5.2	9.5
35	180	6.1	11.1
40	138	7.0	12.7
45	109	7.9	14.3
50	88	8.7	15.8
55	73	9.6	17.4
60	61	10.5	19.0
65	52	11.4	20.6
70	45	12.2	22.2
75	39	13.1	23.8
80	34	14.0	25.3
85	30	14.9	26.9
90	27	15.7	28.5
95	24	16.6	30.1
100	22	17.5	31.7



For Metric figures, read "Center Beam" values as in lux, and the throw and diameters will be in meters.
For US figures, read "Center Beam" values as in footcandles, and the throw and diameters will be in feet.

$$\text{Illuminance} = \frac{\text{Candela}}{\text{Distance}^2}$$

OPERATION

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

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

Minimum Focus Range 1 meter

Software Upgrades 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 Spot CMY is CE, CETL, and ETL compliant.

DMX Data Connectors Standard 3-pin male and female XLR connectors

Environmental Tolerances Maximum ambient temperature: 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)

PART NUMBERS

Fixtures
39010003 - Studio Spot CMY Automated Spot Fixture, w/lamp

Accessories
26040002 - DMX Upload Dongle
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 Color 575 Replacement Lamp, Philips MSR 575/2
55030050 - Studio Color 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 CHANNELS

Channel	Function	Channel	Function
1	Pan Coarse	13	Litho Wheel 2 Function
2	Pan Fine	14	Litho Wheel 2 Position
3	Tilt Coarse	15	Litho Wheel 2 Rotation High Byte
4	Tilt Fine	16	Litho Wheel 2 Rotation Low Byte
5	Color Wheel 1 Function	17	Frost (variable)
6	Color Wheel 1 Position	18	Focus
7	Color Wheel 2 Function	19	Iris
8	Color Wheel 2 Position	20	Shutter (mechanical strobe)
9	Litho Wheel 1 Function	21	Dim
10	Litho Wheel 1 Position	22	Motor Speed
11	Litho Wheel 1 Rotation High Byte	23	Factory Macros
12	Litho Wheel 1 Rotation Low Byte	24	Control

DMX Channels: 24
 Fixtures per Universe: 21

Internal Preset Scene Memory: 1 bank, 16 scenes

COLOR WHEEL



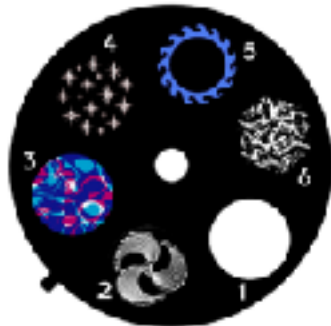
Studio Spot CMY features CMY subtractive colormixing.

LITHO WHEEL

Litho Wheel 1:

Position	Description	Replaceable
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- | | | |
|---|-----------------|-----|
| 1 | Open | No |
| 2 | Triwing | Yes |
| 3 | Lava | Yes |
| 4 | Hollywood Stars | Yes |
| 5 | Wavy Tunnel | Yes |
| 6 | Shatters | Yes |



Litho Wheel 2:

Position	Description	Replaceable
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- | | | |
|---|-------------------------|-----|
| 1 | Open | No |
| 2 | Lenticular Effect Glass | Yes |
| 3 | Slow Effect Glass | Yes |
| 4 | Building Blocks | Yes |
| 5 | Jax | Yes |
| 6 | Gatlin Gun | Yes |



Lithopatterns

Resolution: 3300 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

Diameter: 1.430 in ± 0.010 in (36.322 mm ± 0.25 mm) Thickness: 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)