

## MECHANICAL SPECIFICATIONS

### DIMENSIONS

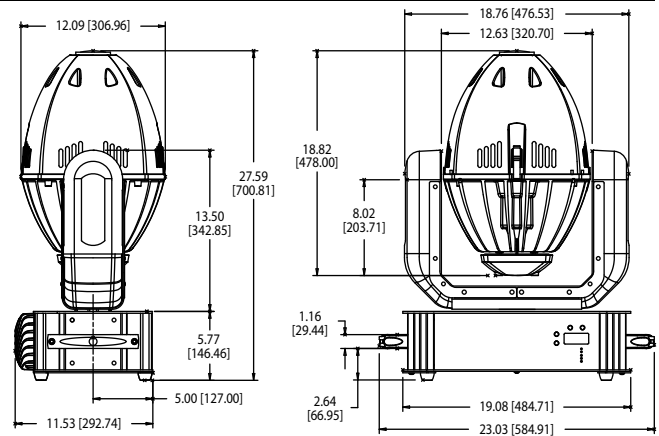
FIXTURE		BOXED FOR SHIPPING	
<b>in:</b>	12.0 x 18.8 x 27.5	<b>in:</b>	20 x 26 x 36
<b>mm:</b>	305 x 477.7 x 713.3	<b>mm:</b>	506 x 657 x 910
<b>Weight:</b>	25.9 kg (56 lb)	<b>Weight:</b>	36 kg (79 lb)

### Mounting Information

Studio Spot 575 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 575 can also be stood on its rubber feet on a sturdy, stable surface.

Colors Available: Black

Turning Radius: 22 in (558 mm)

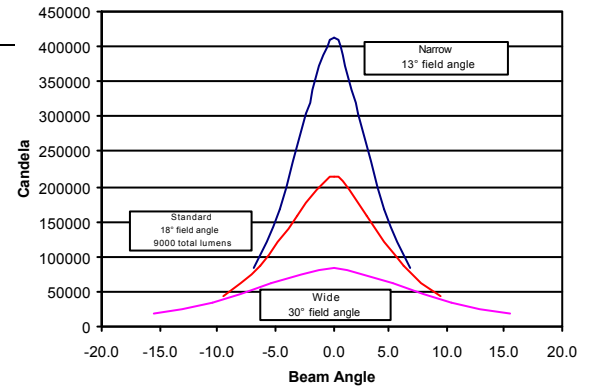


## ELECTRICAL SPECIFICATIONS / LIGHT SOURCE

<b>Lamp</b>	MSR 575/2 or optional MSD 575 for longer lamp life	
<b>Power Consumption</b>	100V 50HZ @ 7.0A 230V 50HZ @ 3.0A 100V 60HZ @ 7.0A 230V 60HZ @ 3.0A	
<b>Rated Power</b>	700W max	
<b>Power Factor</b>	0.96 @ 230V/50HZ 0.99 @ 100V/60HZ	
	<b>MSR 575/2</b>	<b>MSD 575</b>
<b>Light Output</b>	9000 ANSI lumens	7500 ANSI lumens
<b>Lamp Life</b>	500 - 750 hours	2000 hours
<b>Color Temperature</b>	6200K	5600K

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

Studio Spot 575 Photometrics



For Metric figures, read "Center Beam" values as in lux, and the throw and diameters will be in meters.  $Illuminance = \frac{Candela}{Distance^2}$   
For US figures, read "Center Beam" values as in footcandles, and the throw and diameters will be in feet.

## 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

<b>Minimum focus range</b>	1 meter	
<b>Software Upgrades</b>	Operating software may be downloaded from the High End Systems web site ( www.highend.com), or uploaded using a High End Systems dongle.	
<b>Compliances</b>	Studio Spot 575 is CE, CETL and ETL compliant.	
<b>Environmental Tolerances</b>	Maximum ambient temperature: 40°C (104° F) Maximum winding temperature, Tw: 130°C (266°F)	Maximum exterior surface temperature: 200°C (392°F) Maximum capacitor temperature, Tc: 85°C (185°F)

## PART NUMBERS

**Fixtures**  
39010002 - Studio Spot 575 Automated Spot Fixture, CE & ETL compliant, w/lamp

**Accessories**  
26040002 - DMX Upload Dongle  
39060001 - Studio Spot 575 13 degree Narrow Angle Lens Assembly  
39060002 - Studio Spot 575 18 degree Standard Angle Lens Assembly  
39060003 - Studio Spot 575 30 degree 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, Single Fixture  
39070002 - Road Case, Studio Spot, 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

### Color Wheel 1:

Position	Description	Replaceable
1	Open	No
2	Yellow	Yes
3	CTO	Yes
4	Aqua	Yes
5	Pink	Yes
6	Magenta	Yes

### Color Wheel 2:

Position	Description	Replaceable
1	Open	No
2	Cyan	Yes
3	Light Cyan	Yes
4	Indigo	Yes
5	Pink	Yes
6	Magenta	Yes

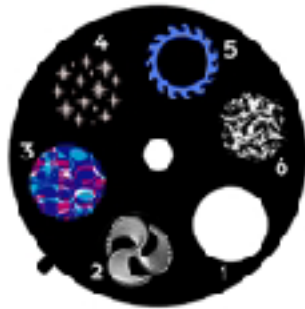
### Dichroic Glass

Diameter: 1.745 in ± 0.010 in (44.323 mm ± 0.25 mm)  
 Thickness: 0.070 in ± 0.010 in (1.778 mm ± 0.25 mm)

## LITHO WHEEL

### Litho Wheel 1:

Position	Description	Replaceable
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
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)