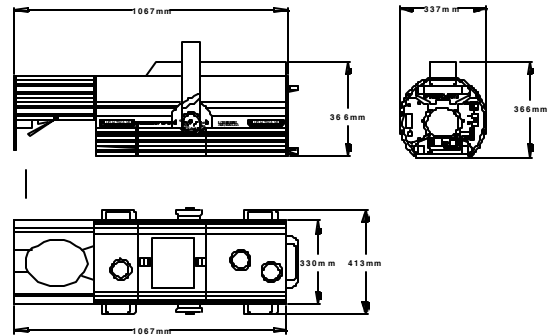
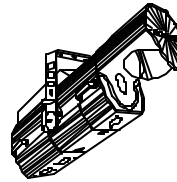


MECHANICAL SPECIFICATIONS

DIMENSIONS

FIXTURE		BOXED FOR SHIPPING	
in:	14.4 x 16.3 x 42.0	in:	21 x 23 x 50
mm:	366 x 413 x 1067	mm:	531 x 582 x 1265
Weight:	46 kg (101 lb)	Weight:	50 kg (110 lb)



Mounting Information

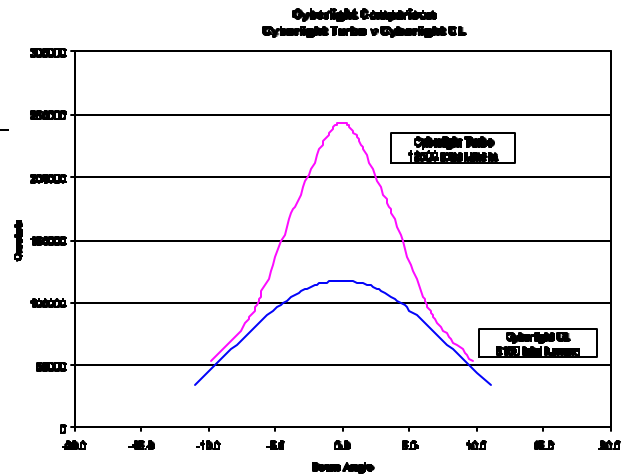
Cyberlight Turbo may be mounted by attaching suitable clamps with locking washers through the holes on top of the yoke. Cheeseborough truss clamps and 1/2" nut/bolt sets may be purchased separately. Cyberlight Turbo can also be stood on its end handles on a sturdy, stable surface.

Colors Available: Black

ELECTRICAL SPECIFICATIONS / LIGHT SOURCE

Lamp	MSR 1200 SA
Power Consumption	208V 50HZ @ 6.3A 230V 50HZ @ 6.3A 208V 60HZ @ 6.3A 230V 60HZ @ 6.3A
Rated Power	1300W
Power Factor	230V, 50HZ: 0.85 208V, 60HZ: 0.97
Light Output	12,500 ANSI lumens
Lamp Life	500 hours
Color Temperature	5400K

	Center Beam Candela	Beam Angle Degrees	Field Angle Degrees
	240,000	11	18
Throw	Center Beam	Beam Diameter	Field Diameter
5	9,600	1.0	1.6
10	2,400	1.9	3.2
15	1,067	2.9	4.8
20	600	3.9	6.3
25	384	4.8	7.9
30	267	5.8	9.5
35	196	6.7	11.1
40	150	7.7	12.7
45	119	8.7	14.3
50	96	9.6	15.8
55	79	10.6	17.4
60	67	11.6	19.0
65	57	12.5	20.6
70	49	13.5	22.2
75	43	14.4	23.8
80	38	15.4	25.3
85	33	16.4	26.9
90	30	17.3	28.5
95	27	18.3	30.1
100	24	19.3	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: 170°	Tilt: 110°	Control Options: DMX-512, Lightwave Research Protocol
Zoom : 8.5° - 13°(optional), 13° - 22° or 16° - 26°	*Field Angle: up to 36°	Address Methods: Dipswitches

Software Upgrades Operating software may be uploaded using a Cyberlight Upload Module or a Status Cue.

Compliances Cyberlight Turbo is CE, CETL, and ETL compliant.

DMX Data Connectors 3-pin male and female XLR connectors

Environmental Tolerances	Maximum Ambient temperature:	50°C (122°F)	Maximum distance to flammable objects:	1.0 m (3.28 ft)
	Maximum exterior surface temperature:	62°C (144°F)	Maximum winding temperature, Tw:	180°C (356°F)
	Minimum distance to lighted object:	1.0 mm (3.28 ft)	Maximum capacitor temperature, Tc:	85°C (185°F)

PART NUMBERS

*Field Angle measurement factors in frost and de-focusing effects

Fixtures

- 19010024 - Cyberlight Turbo Automated Luminaire - Litho, w/lamp, 208V/60Hz
- 19010025 - Cyberlight Turbo Automated Luminaire - Litho, w/lamp, 230V/50Hz
- 19010026 - Cyberlight Turbo Automated Luminaire - Litho, w/lamp, 240V/50Hz
- 19010027 - Cyberlight Turbo Automated Luminaire - Litho, w/lamp, 205V/50Hz or 230V/60Hz

Accessories

- 55040012 - Cyberlight Narrow Angle Lens Assembly (8.5°-13°)

Controller

- 19020002 - Cyberlight LCD Controller w/RAM card

Flight Cases

- 19070001 - Road Case, Cyberlight, Single Fixture
- 19070002 - Road Case, Cyberlight, Dual Fixtures

Lamps

- 55030055 - Cyberlight Turbo Replacement Lamp, Philips MSR 1200-SA

DMX CHANNELS

Standard / Enhanced Control

1	Pan Coarse	11	Rotate
2	Pan Fine	12	Zoom
3	Tilt Coarse	13	Focus
4	Tilt Fine	14	Iris
5	Color Wheel	15	Effects Wheel
6	Cyan	16	Frost
7	Magenta	17	Shutter
8	Yellow	18	Dim
9	Static Litho	19	Motor Speed
10	Rotating Litho	20	Control

15 Channel Control

1	Pan Coarse	9	Focus
2	Pan Fine	10	Iris
3	Tilt Coarse	11	Effects Wheel
4	Tilt Fine	12	Shutter
5	Color Wheel	13	Dim
6	Static Litho	14	Motor Speed
7	Rotating Litho	15	Control
8	Rotate		

*Standard Control allows control over Motor Speed for pan and tilt functions. Enhanced Control allows Motor Speed Control over color, lithos, and effects.

DMX Channels: 20 Fixtures per Universe: 25

DMX Channels: 15 Fixtures per Universe: 34

COLOR WHEEL

Position	Description	Replaceable
1	Open	No
2	Red	Yes
3	Purple	Yes
4	CTO	Yes
5	Aqua	Yes
6	Dark Blue	Yes
7	Dark Orange	Yes
8	Indigo	Yes



Cyberlight Turbo features CMY subtractive color mixing

Dichroic Glass Diameter: 1.745 in ± 0.010 in (44.323 mm ± 0.25 mm) Thickness: 0.069 in (1.75 mm)

EFFECTS WHEEL

Effects Wheel 1: Replaceable

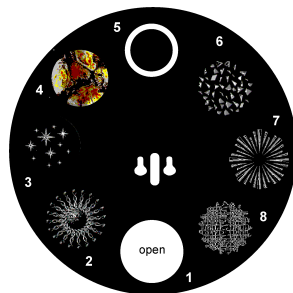
Position	Description	Replaceable
1	Prism	No
2	Tri-color Mosaic	No
3	Yellow Color Corrector	No
4	Open	No
5	Magenta Color Corrector	No
6	Wide Angle	No
7	Diffusion	No
8	Cyan Color Corrector	No

Effects Glass Diameter: 2.060 in ± 0.010 in (52.32 mm ± 0.25 mm) Thickness: 0.069 in (1.75 mm)

LITHO WHEEL

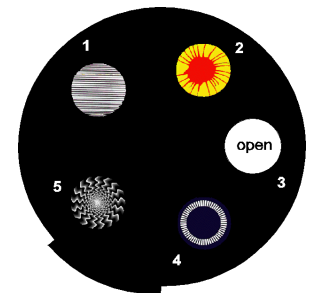
Litho Wheel 1: Static

Position	Description	Replaceable
1	Open	No
2	Alien Star	Yes
3	Shimmering Star	Yes
4	Indigo Dye	Yes
5	Tunnel	Yes
6	Egyptian Space	Yes
7	Conoid	Yes
8	Disconnect	Yes



Litho Wheel 2: Rotating, Indexable

Position	Description	Replaceable
1	Ribbed Glass	Yes
2	Psy-Spin	Yes
3	Open	No
4	Indigo Chicklet	Yes
5	Wavy Black	Yes



Lithopatterns Diameter: 1.745 in ± 0.010 in (44.323 mm ± 0.25 mm)
 Thickness: 0.069 in (1.75 mm)
 Image Area: 1.465 in (37.21 mm)