

## MECHANICAL SPECIFICATIONS

### DIMENSIONS

#### FIXTURE

in: 10.0 x 16.7 x 21.2

mm: 255 x 424.2 x 538.5

Weight: 16 kg (35 lb)

#### BOXED FOR SHIPPING

in: 17 x 22 x 24

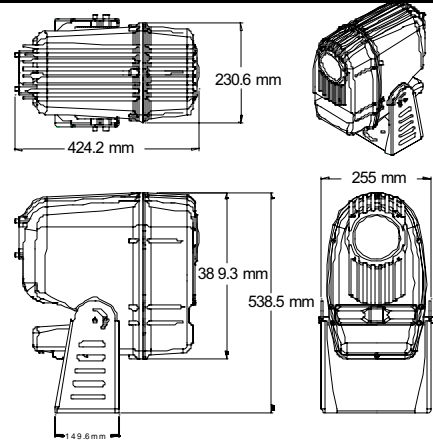
mm: 432 x 559 x 610

Weight: 26.3 kg (58 lb)

### Mounting Information

EC-2 can be mounted to a wall, ceiling, pole or on the ground by bolting the yoke to the foundation. It is not recommended that the EC-2 be mounted upside down without a proper yoke kit.

Colors Available: Grey, Bronze, Green, White



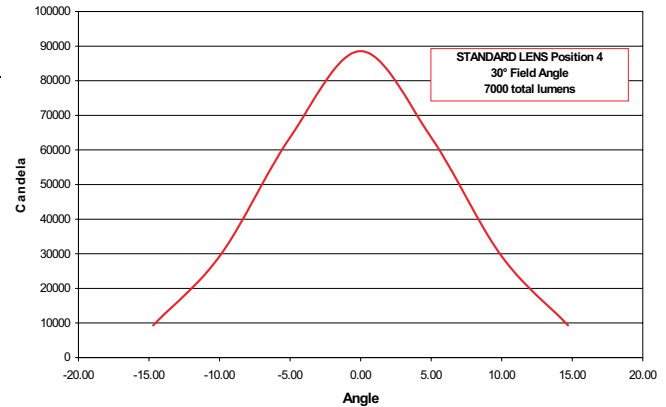
## ELECTRICAL SPECIFICATIONS / LIGHT SOURCE

<b>Lamp</b>	MSD 250/2
<b>Power Consumption</b>	100V 50HZ @ 3.75A 120V 50HZ @ 3.13 A 230V 50HZ @ 1.6A 100V 60HZ @ 3.75A 120V 60HZ @ 3.13A 208V 60HZ @ 1.8A 277V 60HZ @ 1.4A
<b>Rated Power</b>	375W
<b>Power Factor</b>	120V, 60HZ: 0.96 230V, 50HZ: 0.90
<b>Light Output</b>	7000 ANSI lumens
<b>Lamp Life</b>	2000 hours
<b>Color Temperature</b>	6500K

	Center Beam Candela	Beam Angle Degrees	Field Angle Degrees
	90,000	15	30
Throw	Center Beam	Beam Diameter	Field Diameter
5	3,600	1.3	2.7
10	900	2.6	5.4
15	400	3.9	8.0
20	225	5.3	10.7
25	144	6.6	13.4
30	100	7.9	16.1
35	73	9.2	18.8
40	56	10.5	21.4
45	44	11.8	24.1
50	36	13.2	26.8
55	30	14.5	29.5
60	25	15.8	32.2
65	21	17.1	34.8
70	18	18.4	37.5
75	16	19.7	40.2
80	14	21.1	42.9
85	12	22.4	45.6
90	11	23.7	48.2
95	10	25.0	50.9
100	9	26.3	53.6

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.

Luminous Output for EC-2 Standard Lens Zoom Position 4



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

## OPERATION

**Pan:** 0° **Tilt:** 150°

**Field Angle:** 18° - 25°(optional), 22° - 29°, or 28° - 35° (optional)

### Software Upgrades

Operating software may be downloaded from the High End Systems web site ([www.highend.com](http://www.highend.com)), and uploaded using a High End Systems HandShake controller.

### Compliances

EC-2 is CE, CETL and ETL compliant.

### Connector System

Easy contractor access field wiring

### Environmental Tolerances

Ingress Protection:	IP 66		
E.P.A. (Effective Projected Area):	1.75 sq. ft.	Minimum Distance to Lighted Object:	1.0 m (3.28 ft.)
Maximum Ambient Temperature, Ta:	40°C (104°F)	Minimum Distance to Flammable Object:	1.0 m (3.28 ft.)
Maximum Winding Temperature, Tw:	180°C (356°F)	Maximum Capacitor Temperature:	85°C (185°F)

**Control Options:** DMX-512, Remote Preset Programming/Playback, Fixture Talkback

**Address Methods:** Wholehog II console, HandShake controller, Fixture Talkback

## PART NUMBERS

### Fixtures

- 49010001 - EC-2 Architectural Standard Gray
- 49010002 - EC-2 Architectural Bronze
- 49010003 - EC-2 Architectural White
- 49010004 - EC-2 Architectural Green

### Accessories

- 10020001 - Handshake handheld lighting controller
- 49040001 - EC-2 Wall Plate 5 pin XLR
- 49040002 - EC-2 Standard Angle lens assembly
- 49040003 - EC-2 Wide Angle lens assembly
- 49040004 - EC-2 Narrow Angle lens assembly
- 49040005 - EC-2 Glare Guard
- 49040006 - EC-2 Wire Lens Guard
- 49040007 - EC-2 Beam Shaping Kit
- 90409080 - EC-2 kit, cable 5 pin data and power cord
- 55030051 - EC-2 Replacement Lamp, Phillips MSD-250/2

## DMX CHANNELS

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Channel	Function
1	Dim
2	Shutter
3	Color Function
4	Cyan
5	Magenta
6	Yellow
7	Motor Speed
8	Control

**DMX Channels:** 8      **Fixtures per Universe:** 64  
**Internal Preset Scene Memory:** 1 bank, 16 scenes

## COLOR WHEEL

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EC-2 features CMY subtractive color mixing.