

APPLICATION BRIEF

LIFI® SOLID-STATE PLASMA LIGHT SOURCES FOR ENTERTAINMENT LIGHTING



Advanced Technology for Stage, Studio and Architectural Applications

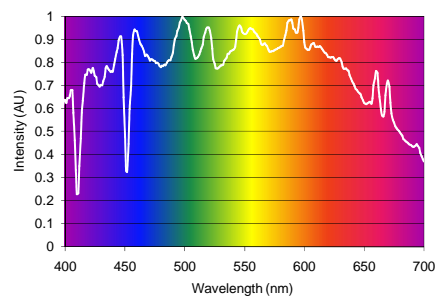
- Moving Heads
- Follow-Spots
- Color Changers
- Façade Lights

LIFI® Products Feature:

- Up to 17,800 directional lumens from a point source
- More than 6X longer lifetime compared to HID lamps
- Color Rendering Index (CRI) of 94
- Digital control and dimming
- Road-show safe, impact and vibration resistance



Typical Spectral Distribution



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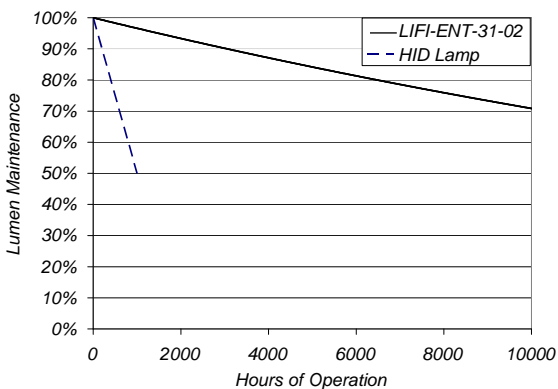
LIFI® Out-Performs Metal Halide High Intensity Discharge (HID) Lamps

	LIFI® ENT-31-02 light source	Typical Metal Halide HID Lamp
Fixture (Luminaire) Lumen Output	9,000 ¹	9,000
Source lumens	17,800	26,000
Source Rated Lifetime (hours)	10,000	1000
CRI	94	85
System Power (W)	295	470
Dimming Range (%)	20-100	70-100
Mercury (Hg) Footprint ² (pg/lm•h)	538	19,774

Notes:

1. LIFI® enables higher fixture optical efficiency with small directional source. Fixture efficiency based on typical Moving Head fixture.
2. Includes mercury contained in lamp and also mercury emitted by coal fired power plant

Lumen Maintenance vs. Hours of Operation



Rate of CCT Change Over Life

