## **APPLICATION BRIEF**

LIFI® SOLID-STATE PLASMA LIGHT SOURCES FOR ENTERTAINMENT LIGHTING



Advanced Technology for Stage, Studio and Architectural Applications

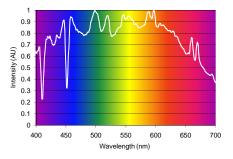
- Moving Heads
- Follow-Spots
- Color Changers
- Façade Lights

LIFI<sup>®</sup> 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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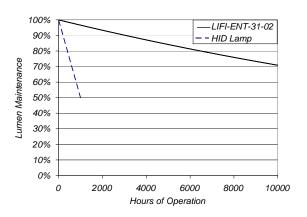
## LIFI® SOLID-STATE PLASMA LIGHT SOURCES FOR ENTERTAINMENT LIGHTING

	LIFI <sup>®</sup> ENT-31-02 light source	Typical Metal Halide HID Lamp
Fixture (Luminaire) Lumen Output	9,000 <sup>1</sup>	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 <sup>2</sup> (pg/lm•h)	538	19,774

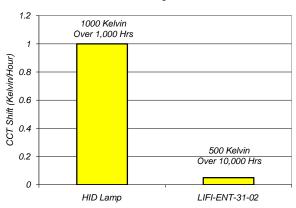
## LIFI® Out-Performs Metal Halide High Intensity Discharge (HID) Lamps

Notes:

- 1. LIFI<sup>®</sup> 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