

# **SOLAS-4K™**

## **4000W HMI Luminaire**



**The SOLAS-4K™ is a rugged 4000 watt light fixture designed specifically for use in the offshore oil and gas industry.** A custom-designed reflector shapes the 380,000 lumen output of the High Intensity Discharge (HID) lamp into a wide beam that will illuminate a large area with daylight quality light. The safety of divers, vehicles and equipment can be greatly enhanced by using one or more SOLAS-4K™ lights to flood light an underwater work site. The problem of back-scatter - large bright spots that appear in images or obscure a divers view - is most often caused by having a light source too close to the camera or diver. This phenomenon can be virtually eliminated by positioning one or more SOLAS-4K™ lights high above the area of interest, providing space between the viewer and the light source without sacrificing light intensity.

# Technical Specifications

<b>PHYSICAL</b>	
Body:	6061-T6 Alloy
Diameter (Body)	7.5 in (190 mm)
Diameter (Reflector)	15.9 in (404 mm)
Envelope:	Quartz
Overall Length	28.5 in (724 mm)
Weight in Air	34 lbs (15.4 kg)
Approx Weight in Water	24.5 lbs (11.1 kg)
Operating Depth	720 ft (220 m)
<b>ELECTRICAL</b>	
Ballast	A suitable 4 KW Magnetic or Electrical Ballast is needed to operate this light. (Available from SAIS)
<b>LAMP CHARACTERISTICS</b>	
Nominal Power	4000 Watts
Voltage	190 V (+/- 10 V)
Current	25 A
Luminous Flux	380,000 lm
Luminous Efficacy	95 lm/
Color Temperature	6000 K
Color Rendering Index (CRI)	> 90 Ra
Average Service Life	500 hours
<b>OPTICAL</b>	
Beam Pattern (Medium Wide)	~ 50 degrees
FOR IN WATER USE ONLY.	DO NOT USE IN AIR.