



DEEPSEA
POWER & LIGHT

1200W SeaArc2 (HMI®)

**1200 WATT HIGH
EFFICIENCY HMI/MSR
ARC LAMPS**

**DAYLIGHT COLOR
TEMPERATURE
5600° K**

**COLOR RENDERING
INDEX GREATER
THAN 90**

**SUITABLE FOR
COLOR OR B/W
VIDEO IMAGING**



The 1200W SeaArc2 HMI underwater luminaire is the highest performance light source for underwater imaging systems today. The 1200W SeaArc2 HMI utilizes a 1200W Vapor Arc Discharge lamp providing for a near-daylight visible spectral output of light. The pressure housing is constructed of 6AL-4V titanium and quartz glass, which allows the luminaire to operate at a depth of 6,000 meters (20,000 feet).

A 1200W Vapor Arc Discharge lamp produces more than 100,000 lumens of radiant light output, which is 4-1/2 times more efficient than that of conventional tungsten-halogen incandescent light sources. This light source is ideal for commercial lighting applications due to its high efficiency and continuous visible spectral output of light.

The 1200W SeaArc2 HMI luminaire's pressure housing and endcap assembly are constructed from 6AL-4V titanium and the lamp is encapsulated in a quartz glass envelope. The endcap assembly incorporates two pressure relief valves for nitrogen purging and has an LPBH4MP connector.

The 1200W SeaArc2 HMI luminaire is available with three different optical configurations to satisfy different performance demands. The high intensity of light emission is controlled and directed with three types of reflectors: wide, medium, and spot.

1200W SeaArc2 (HMI®) Specifications

MECHANICAL

Material:

Lighthouse Body: Titanium 6AL-4V

Glass Envelope: Quartz

Length: 62.2 cm (24.50 in.) with spot reflector
52.5 cm (20.67 in.) with medium reflector
47.3 cm (18.64 in.) with wide reflector

Diameter: 27.3 cm (10.75 in.) with spot or medium reflector
28.3 cm (11.14 in.) with wide reflector

Air Weight: 6.5 kg (14.4 lbs.) with Delrin mounting block

Water Weight (approx.): 3.25 kg (7.2 lbs.)

Reflector: Spot, medium, or wide

ENVIRONMENTAL

Depth Rating: 6,000 meters (20,000 ft.)

Design Safety Factor: 1.5 times depth rating

Temperature: -5 to +40 deg. C

ELECTRICAL

InputConnector: LPBH-4-MP

InputVoltage: From ballast

InputPower: 1200 watts

®

HMI is a registered trademark of Osram



Specifications subject to change without notice

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