

O S E A N

T e c h n o l o g y

200W HMI[®] LIGHTING



Photos : www.underwater-pictures.com

I N T R O D U C T I O N

OSEAN designs and manufactures underwater self-powered lighting systems equipped with 200W HMI[®] bulbs. Our systems greatly perform in rough conditions especially when the highest intensities of light are needed. Our product was originally designed for the motion picture industry and is now frequently used in applications such as underwater works and emergency missions.

S T A T E O F T H E A R T

The OSEAN 200W HMI lights are 3 to 4 times more efficient than equivalent tungsten lights. Thanks to a continuous and near-daylight visible spectral output of light, propagation in water is significantly increased.

K N O W - H O W A N D S A F E T Y

OSEAN's team has years of experience in the design of scientific and military underwater systems. OSEAN is committed to manufacturing the most ruggedized and reliable underwater lights in accordance to safety and quality standards.

TECHNICAL SPECIFICATIONS

200W HMI® Light S-300.11

Bulb	:	HMI® 200 Hot restrike
Colour temperature	:	6000°K
Average bulb life time	:	200h
Replace bulb before	:	400h
Nominal lamp power	:	200W
Minimal lamp power	:	130W
Power dimmer	:	By external potentiometer
Supply voltage	:	24V _{DC} ± 20%
Restrike time	:	< 5s
Beam pattern	:	80°
Diameter	:	160mm
Length	:	300mm
Air weight / Water weight	:	5,5kg / -0,5daN
Depth rating	:	100m
Material	:	Marine Aluminium alloy, Ertalyte
Protection	:	Hard Anodic Oxidation
Porthole	:	Tempered Borosilicate glass
Connection	:	with cable gland
Cable	:	2m length
Plug	:	Male SUBCONN 2 pins
Operating temperature	:	-5°C to +35°C (use in water only)
Storage temperature	:	-20°C to +55°C

Battery pack S-300.12

Nominal Voltage	:	24V _{DC}
Capacity	:	9,5Ah
Batteries technology	:	NimH
Diameter	:	110mm
Length	:	250mm
Air weight / Water weight	:	5kg / -2,5daN
Depth rating	:	100m
Material	:	Marine Aluminium alloy
Protection	:	Hard Anodic Oxidation
Connection	:	Receptacle female SUBCONN 2 pins
Operating temperature	:	-5°C to +35°C (use in water only)
Storage temperature	:	-10°C to +40°C
Connection charger	:	By internal connector
Burn time (200W)	:	40mn
Burn time (130W)	:	60mn

Battery charger S-300.05

Type	:	External
Power supply	:	230V _{AC} / 50Hz
Charge Time	:	6h

External Power supply S-300.08 and equipped cable S-300.19

Power supply	:	230V _{AC} / 50Hz
Output supply	:	30V _{DC}
Cable length	:	100m
Cable Air weight / Water weight	:	35kg / -15daN
Cable depth rating	:	20m