



UNDERWATER LED LIGHTING FIXTURES

OSEAN's underwater patented lighting fixtures are derived from the most recent technologies used in underwater motion picture and scientific underwater exploration.

Our LED modules are 4 times more efficient than same power tungsten or halogen lights.

APPLICATIONS

- Designed for underwater architectural applications
- Enhance waterfronts, marinas, beach bar & clubs

FEATURES

- 4 x brighter than regular lightings
- White, Royal Blue or RGB Color available
- Built-in LED driver
- Programmable dynamic lighting with DMX controller
- Safe, reliable and easy to install
- Made to withstand harsh and rough saltwater environments
- High power up to 100W

TECHNICAL SPECIFICATIONS

WHITE VERSION

Light Source: High power LED Array
 CCT: 3000°K – 8000°K
 Luminous Flow: > 12000 Lumens
 Average LED Life time: > 25000h

ROYAL BLUE VERSION

Light Source: High power LED Array
 CCT: 465 – 470nm
 Luminous Flow: 1200 Lumens
 Average LED Life time: > 25000h

RGB VERSION

Light Source: High power LED Array
 CCT: Red 625nm - Green 520nm - Blue 465nm
 Luminous Flow: Red 1200Lm - Green 2000Lm - Blue 450Lm
 Average LED Life time: > 25000h

OTHER VERSION

On request: Aquarium Light, Cool white,

OPTICAL

Beam Angle with lens*: > 60°
 Beam Range*: > 15m
*Depend on water turbidity

POWER SUPPLY and CONTROL

Input: 12 to 24V DC
 Power: < 120W
 Driver: Built-in
 Control and Effect: DMX 512 Std compliant
 Thermal Protection: Active with embedded temp. sensor

DIMENSIONS AND MATERIAL

Diameter x Height: 155 mm x 60 mm
 Weight in Air: < 2kg
 Housing material: Marine grade cast aluminum
 Porthole material: Tempered Borosilicate glass

WATERTIGHTNESS

Depth rating: IP68-10m
 Porthole: By O-Ring
 Cable connection: Overmolded cable gland

SUBSEA CABLE

Without DMX: Special cable 2x 2,5mm²
 With DMX: Special cable 2x 2,5mm² + 1xTSP

ENVIRONMENTAL

Operating temperature: +2°C to +35°C in water only
 Storage temperature: -20°C to +55°C
 Shock resistance: IK07

