

# Aquorea Mk3 LED Color

Advanced Applications | Various Wavelengths available



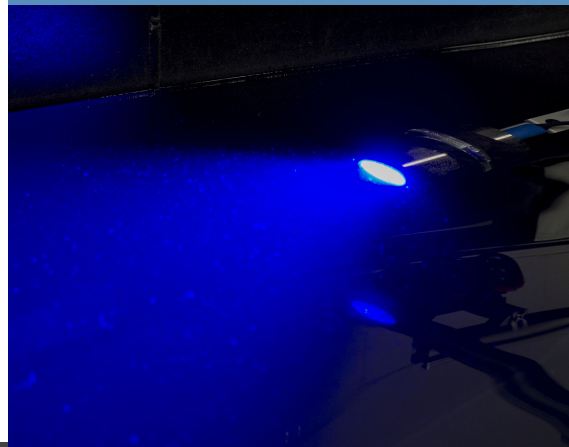
## Key Features

- Wavelength options:
  - Far-red:  $\lambda_d = 740$  nm
  - Green:  $\lambda_d = 523$  nm
  - Deep-blue:  $\lambda_d = 457$  nm
  - Violet:  $\lambda_d = 385 - 410$  nm
  - UltraViolet:  $\lambda_d = 365$  nm
- Many more options are available
- Lamp and Strobe operation
- 6000m all Titanium and Sapphire



**Harshest Conditions.  
Clearest Images.**

The LED color is available in custom wavelengths for specific deepsea applications: Far-red for natural species behavior studies and deep-blue for subsea fluorescence and leak detection.



## For Natural Marine Behavior Surveys

SubC Imaging has created a system that incorporates our field-proven smart cameras and the **Red** Aquorea lighting to create a toolset that can view underwater life without disturbing their natural patterns and behavior.

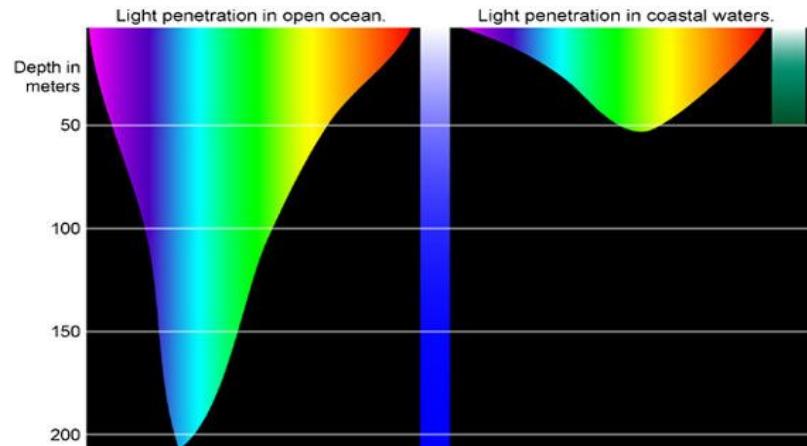
When the camera is used in conjunction with the Aquorea with Red lighting it offers superior underwater low light capability, undetectable by marine life.

The long wavelength red light is quickly absorbed and extinguished by the uppermost layers of water. Because of this fact, natural selection preferred sea creatures with more blue/green cones vs red.

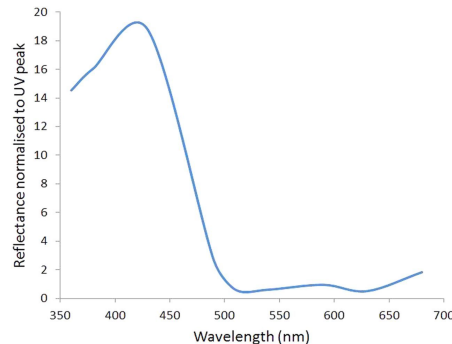


Sample - Cod Traps

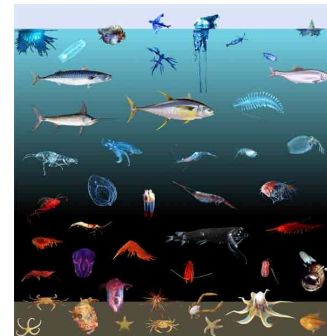
This gives ROV operators and Marine Science another capable tool for viewing and working in the harsh ocean environments.



Typical ocean creature eye spectral response



Coloration of animals related to depth



# CONTACT SUBC IMAGING

As leaders in our field, our goal is to provide complete imaging solutions to the Ocean Science Community. Our first step is always a simple conversation about the nature of your project and how our solutions can help you achieve success.

If you're interested in learning more about our products and services, please reach out to:

**[team@subcimaging.com](mailto:team@subcimaging.com)**

**+1-709-702-0395**

**[www.subcimaging.com](http://www.subcimaging.com)**

