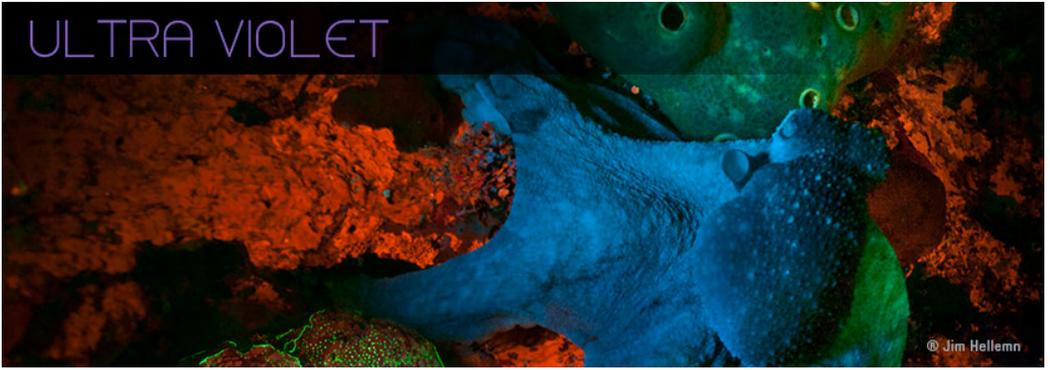


Ultra Violet Lights

SL4 eLED with Blue LED and
SL4 eLED UV (ultraviolet) at BrightGuy.com

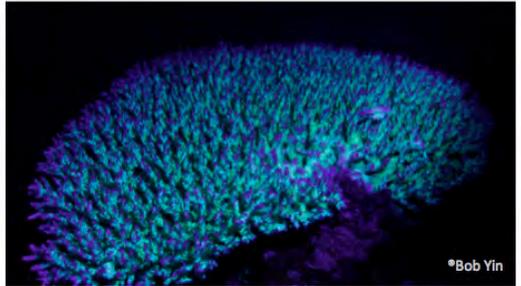


See Corals & Critters Like Never Before!

Amaze yourself by seeing new colors not normally revealed in the beam of your old tag along dive light. Recently you may have heard that some resorts are beginning to offer what's called a Fluorescent Dive or "Flo Dive" where night divers are given UV lights that transform the reef into a spectacular show of color, just like the UV posters of yore. This phenomenon is relatively new to divers but, in fact, scientists have been observing this reaction for years. It is only recently that advances in technology have allowed the world of UV to be brought into the mainstream diving industry.



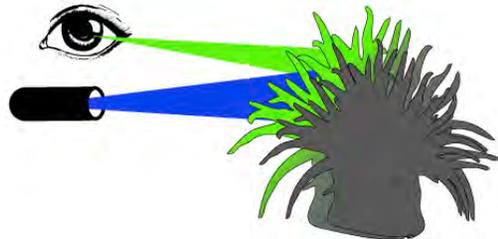
Coral viewed under a normal LED



Coral viewed under an Ultra Violet LED

How Does It Work?

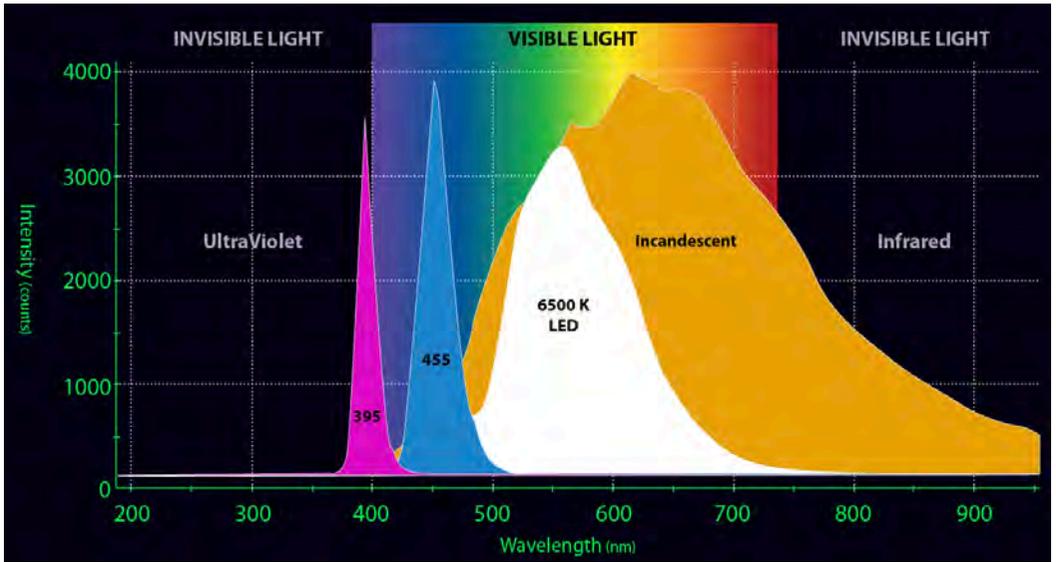
Chemical compounds contained in the tissue of these animals (mostly corals) react to the UV light causing them to fluoresce in brilliant reds, purples and greens. The results can be quite amazing.



I Heard You Need A Yellow Filter?

This is one of the first comments we hear when talking about Ultra Violet diving but to understand the answer, you have to get

a little technical... In the chart below you can see 2 kinds of UV LED lights: A blue version with a wavelength of 455 nm and an ultra violet one with a wavelength of 395 nm. Each has its own set of advantages.

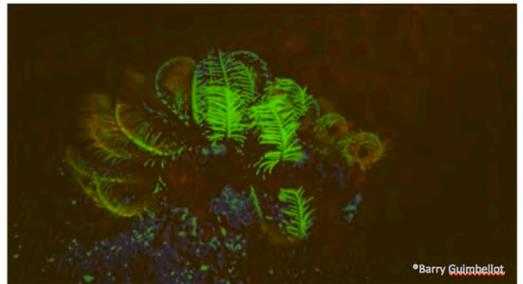


Blue - 455 (nm) LED

In the beginning of the UV trend, the only lights available fell in the wavelength of about **455** (nm), which, as you can see in the chart above, is still within the spectrum of "visible light". This light did the job of causing the corals to fluoresce, but it could also create so much visible blue light that it sometimes diminished the impact of the glowing colors. To combat this, divers learned to use a yellow filter which cut back the excess blue, while still allowing the fluorescent colors to shine through. (See example photos below)



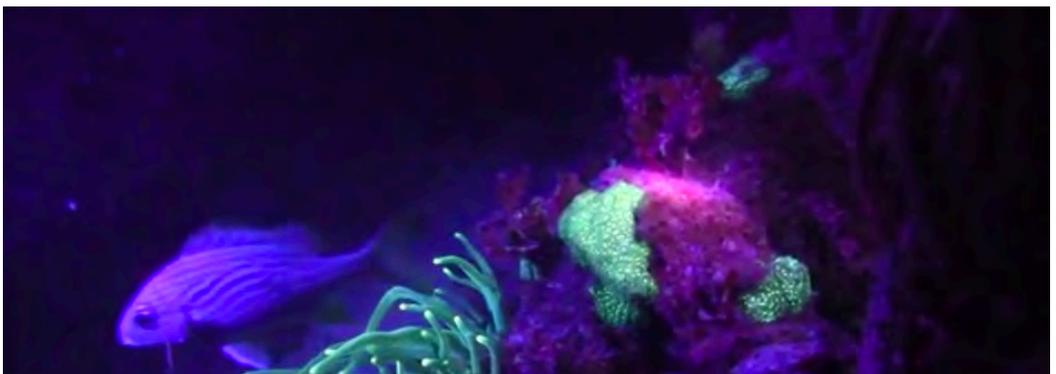
455 Blue LED



455 Blue LED w/ Yellow Filter Added

UV - 395 (nm) LED, No Filter Needed!

Recently, advances in technology have made possible a new version of the UV LED which has a wavelength just outside the spectrum of visible light at about **395** (nm). This LED still causes marine life to put on their fluorescent show but since it is nearly invisible to the naked eye, only the glowing colors are revealed. The reef is still bathed in UV light...you just can't see it! **Bottom line... no yellow filter needed.**





@Bob Yin

UK offers products in both the 395 & 455 wavelengths.

Both the **Aqualite** and the **SL4 eLED** are available in the 395 (nm) LED option. If you already own an Aqualite, you can simply purchase a replacement UV lamp head that will integrate with the light you already own. The 455 (nm) LED is only available in the SL4 eLED model.



UV-395



Aqualite 90 UV-395 (Complete Light)

Our Aqualite 90 is now available with the UV-395 lamp head. To get the most out of your light, you can purchase our other lamp heads and interchange them to suit your needs. The wide beam makes it ideal for underwater photography and video with GoPro.



Aqualite 90 UV-395 (Lamp Head Only)

The ultra wide angle / UV beam is great if you already own an Aqualite and want to add another lamp head to your collection. They all interchange, so you'll be sure to have exactly the type of light you need for the dive.



SL4 eLED L1 - UV-395

The popular SL4 eLED is now available with a UV-395 LED. Perfect for spotting glowing marine life with its narrow, intense beam.

BLUE-455



SL4 eLED L1 - BLUE-455

The SL4 eLED is also available with a Blue-455 LED. This light creates a strong fluorescent reaction in many marine animals but may require the use of a yellow filter.