

# ECO INDUSTRIAL SUPPLIES

[www.ecoindustrialsupplies.com](http://www.ecoindustrialsupplies.com)

## LED AQUACULTURE SOLUTIONS

**Solutions for fish farming to increase production, growth rates & spawning using the latest LED Technology...**

**Red for stop, Green for Go, Blue for take it easy, White grows life.**

Eco Industrial supplies are proud to offer you the latest technology in our industries to help you increase & improve production. While fish see light similar to the way we see light it does vary from species to species. Fish maturity also has something to do with the light waves fish can recognise. It is known that some fish species will use light waves to communicate (especially during spawning) & they include parts of the spectrum we can not see like ultra violet (UV) light waves. This is an interesting field of science & I am happy to share some knowledge that have been used successfully to help decrease & improve production costs. *For more information please contact us & we will gladly work with you for your specific needs.*

### LED RED Lighting for STOP!

LED strip lighting is a cheap & easy solution for a range of applications. There are over 100 different types with varying qualities so we have selected a few that will provide long life & good performance. The strip lighting can be placed inside a clear uv stabilised tube & sealed both ends with silicon to make it water tight. This will give protection to the flexible strip lighting, make it straight & keep it pointed where you wish to project the light. The LED strip can be placed back to back inside the tube for full 360 degree projection if required. The tube of lights can be woven through the grow out pen net walls & easily installed. A **Red Flicker Light** will help repel the fish from the net walls reducing the damage to your stock. Clear Vinyl tube being UV stabilised & flexible can also be used for housing the LED strip which may be suitable for your application. An aluminium with cover ducting is also available in multiple profile shapes. IP68 strip is available also. *Also suitable for hatchery applications.*



### LED Green Lighting for GO!



Green like luminance is an attractor for many fish species. It attracts plankton & then sets off a chain reaction of excited increasingly larger species of fish. It becomes a feeding frenzy & can be used to promote rapid fish growth rates & increase metabolism, strength & health in your stock.

### LED Blue Lighting



It is unsure the full effect of how fish see colours but blue seems to be a colour that is calming or the fish do not see it as there is no response when it is introduced into their environment. Blue allows for tank lighting & inspection purposes in a hatchery without any disruption to the fishes normal behaviour. Blue can also be used in grow out pens to slow fish down & increase fat content when nearing harvest.

### LED White Lighting for Life & Spawning.

White is a mix of the colours in the colour spectrum

Using white 5000-5000k increases growth rates & production in many fish species. Spawning ages can be lessened using this technology. Be aware that many manufacturers of LED product offer whites out of this colour rendition range. You can be rest assured we will supply only the best quality knowing that it is critical in producing a successful outcome for your investment.



**For a product suited to your application please contact us via email: [ecoindustrial@internode.on.net](mailto:ecoindustrial@internode.on.net) or phone Troy 0458 158 777 & we can recommend a total solution for your project.**