

**World's Most Powerful Fixed IR Submersible SS316L Tactical Marine LED Spotlights**  
**Z4750XLS IR BEMCU / NSN:5850231146907**



- CPU controlled infrared signaling transmission to support Underwater Demolition Forces \*
- BEMCU supports RS485 com. port for up to 9 user programmable Encrypted or Morse patterns
- Single High Power LED emitter penetrating depths in excess of 15meters, (depending on water clearance)
- 850nm to 940nm wavelength centroids availability
- Up to 12W per unit / PWM embedded precision power supply / selective L , R, Both spotlights operation
- Maximum radiant flux 5.25Watts per unit
- Predicted lifetime in excess of 40KHours
- Nitrogen Gas charged LED chamber
- TIR 35° FWHM converging Borosilicate flameproof glass lens
- High performance heat exchanger-Patented
- Overheat protection
- IP68 Certified to 100meters operating depth-Patented
- Stainless Steel aisi316L body alloy
- LxWxH 83x49x60mm @ 480gr total weight per spotlight

*\*Infrared underwater transmission encrypted signaling is a major requirement by Underwater Demolition Forces for mothership location & surface monitoring status e.g. "free to emerge", "emerge left", "emerge @ right", "enemy engagement", "enemy close" etc. Submersible NVG scuba diver's optics system is mandatory armament for this process.*