

LED Lighting Fixtures  
Underwater Lighting Fixture LUWL Series ( for nuclear power plant )

❖ Application

- The NAMBUK underwater lighting fixture model LUWL series are designed for underwater use in nuclear plant fuel pool.
- While widely used as a general area lighting fixture in new and spent fuel pools, it is also used for localized inspection and for in-core use during refuel operations.
- The LUWL series are widely used for long-term illumination of fuel pool and canals, reactor cavity illumination during fuel movement and other large-scale activities.

❖ Features

- Easy maintenance.
- All stainless steel "inside-containment" construction
- The lumen is 16,000 lumen per LED Light
- Integral underwater connectors, designed for easy operation

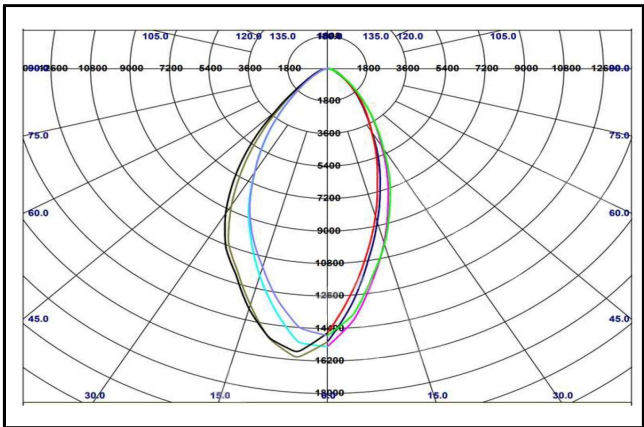
❖ Specifications

- WEIGHT in Air : Lamp Assembly APPROX. 4.5Kg
- Ingress Protection : IP68
- PLUG with Seal-Tite : HUBBELL
- Electrical Cord : SOOW 558097 16AWG, 600V
- All Materials are pass to radiation test of  $1.0 \times 10^3$ Gy basically

❖ Standard Materials

- Body : 304 Stainless Steel + Polyamide, Polystyrene
- Bracket : 304 Stainless Steel
- Yoke : 304 Stainless Steel Rod
- LED Lens : Polycarbonate
- Cable Connector : Waterproof IP68, SP16-3P

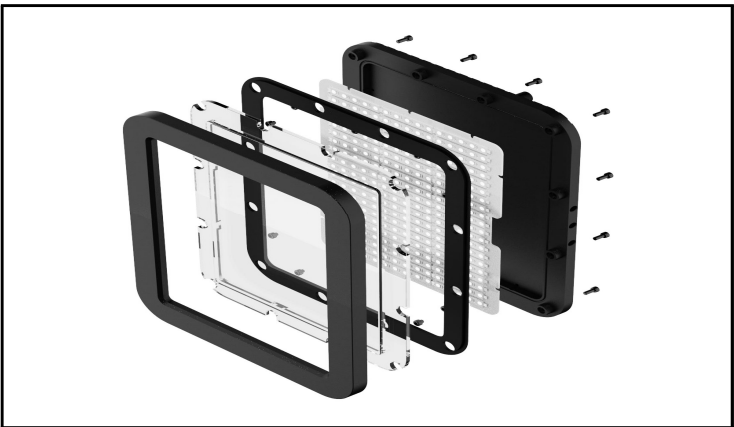
❖ Photometric Data



❖ Technical Data

Rated voltage	110V~220V, 60Hz
Rated power	135W
Rated ampere	0.15A
Luminous flux	16,000 lm $\pm$ 10%
Luminous Efficiency	120 lm/W

❖ Assembly Process



❖ Dimension

