

## **DECK EDGE AND HANGAR CONTOUR LIGHTS**

### **Description**

Deck Lights are provided to define to the pilot the shape and size of the ships flight deck, to provide additional visual cues as to the extent of deck movement, to indicate landing/take off points and to mark particular deck areas. There are a number of variants of deck lights, the form of which shall be determined by the location where they are fitted on the flight deck of the vessel.

### **Standard Deck Light fittings**

These lights shall be made up of 4 LED panels, fitted into a standard housing which can sit on top of the flight deck, with a maximum height of 30mm, or may be fitted to the ships structure as appropriate. The following lights shall adopt this design:

- Stern Drop/Vertical Drop – to indicate the aft face of the ship – green
- Stern Outline – to highlight stern edge of the flight deck from port to starboard – green
- Flight deck outline – this same design light shall be fitted on top of the 'general white light maintenance and wash light housing' that shall be sited around the port and starboard edge of the flight deck - blue

### **Intensity**

The deck lighting will incorporate LED lighting and will be visible 0.5nm from the ship on a clear dark night

### **Colour**

The colour of the deck lights shall be as stated above with colour variations being made through the use of alternative colour LEDs

### **Reliability**

Individual lamp reliability is greater than 500,000 hours operational. Time to replace individual LED lamps is less than 5 minutes

### **Night Vision Goggle Compatibility**

The deck lights are compatible with the use of Night Vision Goggles (NVG) as defined in STANAG 1236

### **Mounting Arrangement**

- Those deck lights fitted directly to the deck are secured using studs welded directly to the deck
- All deck edge lighting and any deck lighting mounted on the flight deck is to present a minimum profile as detailed in the HOSTAC
- Lights that may present a trip hazard will be suitably ramped to reduce the hazard to as low as is reasonably possible
- Deck fittings will be sealed using a suitable marine grade sealant