



Aiming Post Lamp

Self-Luminous Aiming Post Lamps enable establishment and maintenance of covert infantry and artillery weapons alignment in darkness.

Key Features

- ✓ Absolute reliability in all environmental conditions
- ✓ Differentiation enabled by colour and mask options
- ✓ Secure viewing angle of just 7.5° (133 mrad)
- ✓ No batteries, bulbs or maintenance required
- ✓ Lightweight, compact and easy to deploy
- ✓ Extensive operational life
- ✓ NATO Stock Number: Green 1290-99-960-8742 Orange 1290-99-960-8743



Performance

Standard green and amber Aiming Post Lamps produce 330 μ L and 160 μ L respectively enabling visibility with the naked eye at up to 200m in starlight conditions when viewed directly through the lens. The lens limits the angle of viewing to 7.5° to ensure security. Lamp output is not affected by temperature, humidity or altitude..

Typical Application

- ✓ Mortar alignment: using alternate green and orange Lamps, a series of mortars can be aligned by sitting a Lamp in front of each weapon on a reference bearing. Used with a Dial Sight, mortar alignment can be accurately maintained
- ✓ Field artillery alignment: a pair of Lamps, together with a Dial Sight, is used to set up field artillery in darkness. The Lamps are placed in line at measured distances from the weapon, enabling accurate maintenance of alignment
- ✓ Gun aiming point for AFVs, readily established in daylight, colours enabling differentiation between troops and weapons

Operation

Aiming Post Lamps are self-illuminating, requiring no batteries, bulbs or secondary light source. They are suitable for use in hazardous atmospheres and will continue to operate normally in adverse environmental conditions, even when immersed in water. Markers are rated for operation in temperatures between -60°C and +70°C.



Fixing

The Lamp Assembly can be supplied with a choice of robust, adjustable clamps to facilitate easy fixing to either round or square section supports from 13mm to 38mm in diameter.

Illumination

Illumination is provided by a Betalight® fixed securely within the unit. SRB Technologies is the original developer of Betalights®, innovative technology that uses gaseous tritium activation of phosphor within a sealed borosilicate glass tube to produce light. Betalights® are self-illuminating light sources that provide absolute reliability throughout their service life of 10 years. They contain no moving parts and are maintenance-free. As the Lamps are continuously illuminated, an on-off switch is not required.

Materials

Lamps are encased in polymer (DIN 7228) black, the lens acrylic. Clamps are constructed in mild steel and finished in Military Green.

Output Options

To enable lamp differentiation and specialisation, aluminium masks are available for clip-fitting directly onto the Lamp. Masks incorporate cut out legend in either '+' or '-' shapes and are finished matt black. Special legends can be produced to customer requirements.

Physical Characteristics

Diameter:	45mm
Width (incl. clamp):	70mm
Overall length:	72mm
Overall length (incl. mask):	75mm
Lamp weight:	81 gm
Clamp weight (round):	138 gm
Clamp weight (square):	115 gm

Quality Assurance

SRB Technologies are certified to ISO 9001 and meet the requirements of UK Ministry of Defence Standard 62/4.