Betalight b.v. is the leading supplier of Gaseous Tritium Light Sources (GTLS, known also as Betalights) and Gaseous Tritium Light Devices (GTLD). Betalights are unique, providing a highly reliable and continuous light source throughout a long service life without the need for any kind of electrical power. In this document, we provide you with an overview of our range of Betalight tactical devices. Each device described below is supported by a detailed, technical data sheet and can be identified by a NATO stock number.

Betalight Military Equipment shows the way....

**Self-Illuminated Military Watch & Patrol Markers**

The **Patrol Marker** is a self-powered, continuously illuminated device enabling personnel to remain in covert, visual contact in the dark, effective in close operations and visible up to 25 metres. The **Trilux Self-Illuminated Watch**. The world's thinnest tritium-illuminated military watch, incorporating a Swiss movement with date window; snag-resistant design; hardened, sapphire crystal; stainless steel non-reflective case; 100 metre water resistance; screw-down; double O-ring crown, NSN codified.

**OPERATION**: Illumination of our devices is provided by Betalights fixed securely within the units. Betalights use innovative Technology that harnesses gaseous tritium acti
cation of phosphorescent powder within a sealed tube to generate a continuous lightsource. Betalights are self-illuminating, requiring no batteries or secondary lightsource. They require no maintenance or spare parts and provide absolutely reliable, continuous service.

Betalights operate normally in temperatures from -60°C to +80°C and in adverse environmental conditions, even when immersed in water. No heat is generated. Ideal for hazardous situations, such as ammunition depots or fuel storage areas. Betalights provide absolutely reliable light for up to 15 years and are a significant contribution to energy saving programs. Betalights are now the automatic solution where electric power is not available or acceptable.

Long service life.
No batteries or user-maintenance required
Betalight b.v. is a provider of Trilux Sights and can also supply source betalights to manufacturers of optical equipment such as scopes and night sights for graticule and reticule illumination. Trilux Sights incorporate absolutely reliable Betalights and have a continuous, illuminated service life of 10 years. Rated for operation between -60°C and +80°C, the lamps require no on/off switch, contain no moving parts and are maintenance-free.

**Betalight Sight Units**

Betalight Spotmarkers are used for marking switches, vital equipment and hazardous obstacles in the dark.

The Betalight Self-Luminous Hand Bearing Compass is a highly effective tool for day and night navigation, with no parallax errors or bubbles or leaks. Tough, lightweight construction with neck cord for easy deployment.

The Betalight Torch is a self-powered lamp for map-reading, setting fuses, adjusting radios or any operation during darkness. The Torch provides a secure light source that is eye-night-vision friendly and therefore highly suited to covert and combat situations.

Betalight Self-Illuminated Aiming Post Markers enable establishment and retention of covert infantry and artillery weapons alignment in the dark. A viewing angle of just 7.5° ensures security and makes them ideal for use by mortar and GPMG teams. The units are visible for up to 200 metres.

**Betalight Spotmarker**

**Betalight Compass**

**Betalight Torch**

**Betalight Spotmarker**

**Betalight Compartment**

**Betalight Torch**

**Betalight Safety Sign**

**81 mm mortar**

**Betalight Self-Illuminated Aiming Post Markers**

**Betalight Spotmarker**

**Betalight Compass**

**Betalight Torch**

**Betalight Safety Sign**

**Self-powered markers for equipment location and route marking in darkness**

**Illuminated Signs**

**Self-powered safety signs designed for exit, instruction and information applications in adverse and specialised environments.**

**Key benefits**

No mains power or batteries are required. There are no ignition circuits or wiring installations. Betalight Signs are absolutely reliable in all adverse environments, even when immersed in water. Approved by many organisations, these lights really can save lives.

**Typical applications**

Anywhere that safe and reliable exit signage is needed to guide people out of hazardous situations. Excellent legibility and illumination.
Betalight provides an extensive range of Betalight source lights to defence, electro-optical and other OEMs. These can be designed and manufactured in a variety of shapes, size and colours to meet the requirements of customised applications.

A refurbishment service is also available to customers using Betalights within their equipment. Time-expired Betalights are removed for proper disposal (certification provided) and new Betalights manufactured and installed. Betalights are used widely in many different applications across industry. From helicopter flightdecks to locomotive brake pressure gauges. From heritage buildings to offshore platforms. We can provide all types of Betalights, every one manufactured under ISO 9001-2000 and the UK MOD Defence Standard 62-4 Issue 4. Betalights can also be manufactured in accordance with US military standards and specifications. In addition to our standard product range, we offer a design and product development service to meet customised applications.

Self-Luminous Peglight and Route/Defile Marker

The Beta-Marker is a compact, self-luminous markerpeg to provide visual reference points by day and by night. The Peglight is a heavy-construction markerpeg, utilising a cast aluminium shell to provide the user with the highest level of durability in the field. Typical applications for both are: arc of fire marking, trench identification, path and spotmarking and mine marking. Self-luminous Route & Defile Markers can be mounted to almost any object along roads and through forests. Typical applications are minefield safe lanes and bridge defiles for vehicles and troops, where secure route marking is needed in daylight and darkness. Functional differentiation is available by using a variety of arrows and lamp colour configurations.

Self-Powered Kit Markers

One of the most popular products supplied by Betalight b.v. is the Betalight Kit Marker. The Kit Marker is used primarily to locate key items of equipment which must be readily available to the soldier at all times but which are easily lost in the dark. Kit Markers can also be used as hazard markers and for personnel marking. A range of colours is available to enable differentiation.