



Route and Defile Marker

Self-Luminous Route and Defile Markers are robust, flexible and effective devices that enable routes, bridges and minefields to be rapidly and effectively defined during darkness.

Key Features

- Absolute reliability in all environmental conditions
- Betalight® luminance maintains night vision
- Limited viewing angle of 140° enhances security
- Colour options enable functional differentiation
- No batteries, bulbs or maintenance required
- Rugged, lightweight, portable and easy to deploy
- Extensive operational life
- NATO stock number: Defile 6210-99-209-4968 Route Various



Performance

Standard Markers produce 400µL enabling visibility in starlight conditions with the naked eye at ranges of 100 metres and more. Recessed mounting of light sources limits the viewing angle to 140° (2500 mrad). Brightness is not affected by temperature, humidity, altitude, operational plane or vehicle vibration.

Typical Applications

- Minefield marking: to define the perimeter and safe lanes through a minefield
- Bridge marking: to indicate bridge width and length. Elevation onto support poles enables clear visibility on low profile bridges
- Route marking: clear route indication by attachment of Markers to poles, trees, wires or other supports
- Route designation: assignment of colour configurations to specific route function/designation

Operation

Markers 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 from -60 C to +70 C

Illumination

Illumination is provided by Betalights® fixed securely within the unit. SRB Technologies is the original developer of Betalights®, an innovative gaseous tritium light source. Betalights® are self-illuminating light sources that provide absolute reliability throughout their service life of 10 years. They contain no moving parts or consumable components and are maintenance-free. As Markers are continuously illuminated throughout their operational life, on-off switches are not required.

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when reliability really counts

Colour Options

The Defile Marker is a standard unit comprising a black body, a white arrow and two green Betalights® forming a chevron in the arrowhead. Route Markers are available in a range of body and arrow colours. In addition to two green Betalights® in the arrowhead, a third is fitted in the arrow tail. The third Betalight® Colour is optional but routinely reflects the body colour. Refer to the product matrix for a summary of options. A choice of blue, red, orange, green, yellow and white colours are available.



Fixing

A rotating mounting bracket and clip enables the marker to be fitted at any operational plane onto standard military poles and other supporting structures.

Materials

The Marker body, arrow and cover are manufactured in tough polycarbonate. The fixing bracket is zinc plated steel, coated with Crodalux polyester powder.

Physical Characteristics

Length: 130mm

Width: 72mm

Depth: 27mm

Weight: 170gm

Quality Assurance

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

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