



# LLM-VARIORAY

## MISSION PROVEN LASER LIGHT MODULE

Rheinmetall is one of the market leaders for laser light modules (LLM) and has been for over two decades. The LLM-VarioRay is the successor to our combat proven LLM-01, which has been sold over 150,000 times.

The LLM-VarioRay has three powerful lasers (2x infrared and visible) in a fully integrated factory co-aligned laser block. Since 2013 the LLM-VarioRay is well established as a standard NATO product.

The LLM-VarioRay is the first choice for laser aiming device with an integrated white light. The LLM-VarioRay offers a significant improvement to night and low light fighting capabilities.

Eye safe training mode for effective force on force training. Laser output power is set by smart colour-coded trigger cables or dongles (RSE patent granted) e.g. white and blue for training, black and grey for operations.

### FEATURES

- Electronically focusable IR illuminator
- IR aiming laser
- Visible aiming laser (green or red)
- Diffuser for indoor scenarios available
- All lasers co-aligned to bore sight with a single adjustment
- Several white light lamp heads with different output available
- Different laser power modes for training and combat
- Waterproof up to 30m for 2h (IP68)
- Powered by two IEC CR17345/CR123 batteries

### WEAPON MOUNTING

- Standard picatinny mount (MIL-STD-1913/STANAG 4694)
- Adapter available to mount a Docter® sight on top of the LLM-VarioRay

## TECHNICAL DATA

### General

Length x width x height <sup>1)</sup>	140 x 70 x 50 mm
Total height from rail	45 mm
Weight incl. battery and rail mount	275 g
Battery	2x IEC CR17345/CR123
Battery life	7 h (Dual IR 30/75 mW)
Waterproof (IP68)	30 m for 2 h
Operating temperature (STANAG 2895)	-32°C to +71°C
Test standard	MIL-STD-810

## DIFFERENT LAMP HEADS

### White light lamp head

Max. light output available	up to 650 lm
-----------------------------	--------------

### Dual mode lamp head

Max. light output available	up to 500 lm
IR power output available	up to 300 mW
IR wavelength (peak)	940 nm



## MODE DATA

Mode	typ. wavelength	typ. output power	typ. beam divergence
Visible aiming laser <b>red</b>	640 nm	60 mW	0.5 mrad
or visible aiming laser <b>green</b>	520 nm	20 mW	0.5 mrad
IR aiming laser	850 nm	30 mW	0.5 mrad
IR illuminator w. electronic focus	850 nm	60 mW	5 mrad to 150 mrad
Near IR illuminator	850 nm	30 mW	–

<sup>1)</sup> Depends on lamp head.

The laser output power is specified at maximum capacity and can be limited by using colour-coded remote cables.  
All parameters in the tables were measured at room temperature.



Laser beams can cause damage to your eyes.  
The user is responsible to observe the local safety regulations.

Subject to technical changes, error, and printing errors.

## CONTACT US

For more information or questions about an individual configuration of the Rheinmetall Soldier Electronics products, please contact our sales consultants.

[sales.rse@rheinmetall.com](mailto:sales.rse@rheinmetall.com)

**Rheinmetall Soldier Electronics GmbH**

Bodenseeallee 3 · 78333 Stockach · Germany · [sales.rse@rheinmetall.com](mailto:sales.rse@rheinmetall.com) · [www.rheinmetall.com](http://www.rheinmetall.com)