

# LLM 01

## Laser Light Module



Powerful, reliable and easy to operate, the universally deployable LLM01 target marker and target illuminator operates in the visible and infrared spectrums.

### CHARACTERISTICS/FEATURES

- Exchangeable white light lamp
- Red light laser marker and infrared laser marker
- Both markers can be adjusted independently
- Infrared near-field LED illuminator
- Rotary switch to select the light source
- Blue filter disk reduces laser power to 20% for eye-safe training
- Black filter disk releases full laser power for combat
- Light source can be switched on/off via remote cable (accessory)
- Waterproof up to 30m
- Uses 2 CR123 batteries

### OPTIONAL LIGHT SOURCES/FILTERS

- A selection on laser-based heads (visible and IR) can be mounted instead of the lamp head
- Infrared filter (attachable to white light lamp)
- Red light filter (attachable to white light lamp)

### WEAPON MOUNTING

- Various mounts are available, e.g. for Picatinny-rails (STANAG 4694 and MIL-STD-1913)

## OPERATION

- Use rotary switch to preselect the light source
- The selected light source is switched on via three push-buttons on the LLM01 or the pushbutton on the remote cable (accessory)
- The pushbutton on the remote cable can operate as a permanent on switch or as a pushbutton (selectable by operator)

## VARIANTS/OPERATING MODES

### LMT630 and LMT700

The operator can select the following operating modes:

- White lamp only
- Red light laser marker only
- Infrared laser marker only
- Infrared LED near-field illuminator only
- Red light laser marker and white light lamp
- Infrared laser marker and infrared LED near-field illuminator
- All the light sources can be dimmed (five levels)

TECHNICAL CHARACTERISTICS	
<b>General</b>	
Length x width x height	87 x 58 x 48 mm
Height over rail	51 mm
Weight incl. batteries and rail mount	220 grams
Battery	2 x DL123
Battery life	10h (Dual IR 0.4/25 mW)
Waterproof	30 m for 2 h
Operating temperature	-32°C to +71°C
<b>Visible aiming laser</b>	
Max. power output available	5 mW
Wavelength	red: 635 nm
Beam divergence	0.5 mrad

Laser power output is listed at max. capacity. All lasers are user-dimmable.

Laser power output can be limited by a blue safety filter for training purposes (eye-safety).

All laser powers are +0%/-20% and all wavelengths are within ±10 nm over temperature range and battery life.



### LMT700 additional function

If none of the buttons are pressed, the light source switches off automatically after five minutes.

#### Available as options:

The white light lamp can operate normally or in flash mode.

- LMT – tuning/dimming adjustable
- LMF – flash mode

<b>White light lamp head</b>	
Max. light output	90/180 lumens
Lamp head exchangeable	Yes, see options
<b>IR aiming laser</b>	
Max. power output available	0.4 / 3.7 mW
Wavelength	850 nm
Beam divergence	0.5 mrad
<b>IR Near-field illuminator</b>	
Max. power output available	25 mW
Wavelength	880 nm IR LED
Beam divergence	700 mrad