

Laser Designator (LD)



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PRODUCT OVERVIEW

Elite-LD is L-3 ALST's next-generation compact, low-profile laser designator for users demanding high performance in a compact ruggedized package. Ideally suited for man-portable, small gimbal, or UAV applications, Elite-LD is a high-quality, fully compliant designator with 1.064 μm energy output in excess of *80 mJ, in a small package typically seen for low power, marker-only applications.

FEATURES

- *80-120 mJ laser energy output @ 1.064 μm
- Total weight under <5 lbs
- Precision mechanical mounting
- Picitinni rail mount for precision mounting of optional hardware
- Active-diode temperature monitoring
- Operating temperature -32° C to +49° C
- Shot counter
- Lightweight, ruggedized housing design
- Single connector for power and communications





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SYSTEM SPECIFICATIONS

Laser Type:	Diode Pumped Nd:YAG
Communication Protocol:	RS-422/485/232
Input Voltage:	12 to 32V DC from battery or vehicle power adapter (MIL-STD 1275D)
Power Consumption:	<100 Watts when firing <10 Watts in standby
Built-in-Test:	Yes
Duty Cycle:	25%: 3 min ON, 12 min OFF
Weight:	<5 lbs
Dimensions:	9.0"L x 6.25"W x 3.0"H 22.8 x 15.8 x 7.6 cm
Operating Temperature:	-32°C to +49°C
Environmental Standards:	MIL-STD-810G and MIL-STD-461F
Laser Class:	Class 4

DESIGNATOR SPECIFICATIONS

Wavelength:	1.064 μ m
Pulse Width:	16 ($\pm$ 5) ns
Beam Divergence:	200 ($\pm$ 50) μ rad
*Energy Output:	80-120 mJ
Pulse Repetition Rate:	PRF: 8-20 Hz (NATO Band I/Band II Stanag 3733 compliant) and external trigger

* Subject to export restrictions

ABOUT L-3 ALST

Part of L-3 Communications, a global leader in defense technologies and services, Advanced Laser Systems Technology (ALST) is a full service designer and manufacturer of military grade Eyesafe Laser Rangefinder, Laser Designator, and Multi-Function Laser systems.

An ISO 9001 certified quality organization, L-3 ALST has a quarter century of past performance providing system integrators and primes with open frame OEM modules and housed LRUs (line replaceable units) in a variety of configurations.

L-3 ALST's products are listed under category XII(b) of the United States Munitions List. International Traffic In Arms Regulations (ITAR) requires a valid export license prior to technical or hardware shipments or transmissions of information.



Warrior Systems

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