

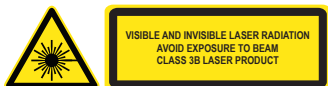
# SPEAR™

## Small Precision Enhanced Aiming Rangefinder

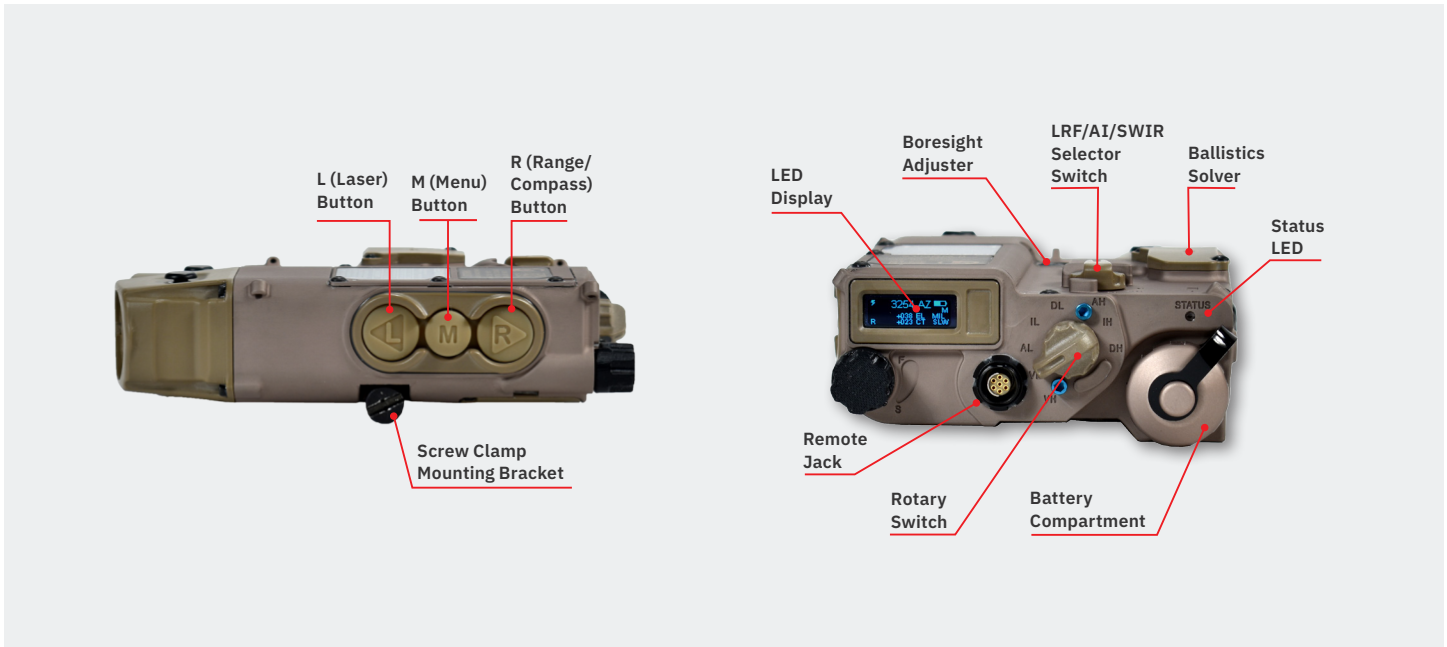
CHARACTERISTICS		
Volume	32 in. ^3	
Weight	≤ 15 oz. with battery	
Battery Type	(1) AA Lithium battery	
Range Performance		
Man	2500 m without obscurants	
<b>Visible Aim Laser</b>	<b>Specifications</b>	<b>Safety Class</b>
Output Power Low	3.4 (±1.4) mW	3R
Output Power High	19.5 (±5.5) mW	3B
Beam Divergence <sup>1</sup>	0.5 (+0.3) mrad	
Wavelength	600 to 660 nm at 25 °C (77 °F)	
<b>IR Aim Laser</b>	<b>Specifications</b>	<b>Safety Class</b>
Output Power Low	2.00 (±1.00) mW	3R
Output Power High	25 (±10.0) mW	3B
Beam Divergence <sup>1</sup>	0.5 (±0.3) mrad	
Wavelength	800 to 870 nm at 25 °C (77 °F)	
<b>IR Illuminator</b>	<b>Specifications</b>	<b>Safety Class</b>
Output Power Low	2.75 (±0.75) mW	3R
Output Power High	75 (±25) mW	3B
Beam Divergence <sup>1</sup>	15 (±5) to 100 (+30/-10) mrad	
Wavelength	830 to 880 nm at 25 °C (77 °F)	
<b>Rangefinder Laser</b>	<b>Specifications</b>	<b>Safety Class</b>
Ranging Mode		1
Beam Divergence <sup>2</sup>	< 0.49 mrad	
Marking Mode		1
Repetition Rate	< 1.1 Hz	
Wavelength	1510 to 1570 nm at 25 °C (77 °F)	

<sup>1</sup> Divergence is measured at 1/e

<sup>2</sup> Divergence is measured at 1/e ^2



The L3Harris SPEAR Laser Rangefinder provides extended-range performance compared to current systems and incorporates an integrated ballistic calculator for improved first-round hit probability. The rangefinder laser can also be operated as a Short-Wave Infrared (SWIR) marker or illuminator for covert cueing using emerging SWIR imaging systems. The SPEAR maintains the familiar capabilities from L3Harris fielded military rangefinders in a smaller, lighter package, including Near Infrared (NIR) and visible aim lasers, NIR illumination laser, high-accuracy digital magnetic compass and external GPS interface.



## FEATURES

- > High-performance Erbium glass laser resonator
- > SWIR marking and illumination
- > Integrated ballistic calculator with solutions based on range and atmospheric conditions

### SPEAR Small Precision Enhanced Aiming Rangefinder

© 2020 L3Harris Technologies, Inc. | 10/2020 | r2e-1

This document consists of basic marketing information that is not defined as technical data under ITAR Part 120.10. Export of this product is regulated by the U.S. Department of State in accordance with guidelines of "International Traffic Arms Regulations (ITAR)". Specifications are approximate and subject to change without notice.

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



**L3HARRIS™**  
FAST. FORWARD.

1025 W. NASA Boulevard  
Melbourne, FL 32919  
t 866 509 2040  
Quotes.Insight@L3Harris.com