



# COLT OPTICS

## TECH DATA SHEET

### LP5X



The LP5X is compact and extremely lightweight laser pointer-illuminator designed for use with small arms and crew-served weapons to provide enhanced direct-fire aiming and illumination capabilities in any weather conditions. The LP5X is equipped with four (4) lasers: visible and infrared pointers, IR infrared illuminator with electronically adjustable beam divergence and VCSEL IR flood illuminator. Aiming and IR illuminator lasers are co-aligned, making zeroing procedures a snap. All aiming and illumination lasers are co-aligned, enabling a single zero to align all emitters to the same point of impact. The LP5X also has an adjustable flip-up mechanical front sight. The LP5X is powered by one (1) CR123 3V battery and can be easily mounted on MIL-STD-1913 Rail / NATO STANAG 4694 picatinny rail in low profile configuration.

#### IDENTIFICATION DATA

Type	Aiming laser
Reference No	LP5X

#### OPTICAL PROPERTIES

Visible (Green) laser	Training mode	Low mode	High mode
Output power	0.35 mW	3.5 mW	10 mW
Wavelength	510 - 530 nm		
Laser safety Class (60825-1:2014)	1	3R	3B
Beam divergence (1/e)	0.5 (± 0.2) mrad		
IR pointer laser	Training mode	Low mode	High mode
Output power	0.3 mW	1.3 mW	30 mW
Wavelength	830 - 865 nm		
Laser safety Class (60825-1:2014)	1	3R	3B
Beam divergence (1/e)	0.6 (± 0.2) mrad		
ND filter	Integrated ND filter into laser cover		
IR illuminator laser	Training mode	Low mode	High mode
Output power	0.3 mW	1.3 mW	70 mW
Wavelength	830 - 865 nm		
Laser safety Class (60825-1:2014)	1	3R	3B
Beam divergence (1/e <sup>2</sup> )	Continuously adjustable from <5 mrad up to >160 mrad		
IR flood laser	Training mode	Low mode	High mode
Source type	Vertical-cavity surface-emitting laser (VCSEL) array		
Output power	>60 mW		
Wavelength	840 - 860 nm		
Divergence	>120 deg (H), >100 deg (V)		



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### ELECTRICAL PROPERTIES

Power supply	1x CR123A battery
Typical battery run time during average use	~ 8 hours
Battery run time on DUAL IR High mode	3 hours $\pm$ 10% at room temperature
Status indicator	Dim LED indicator on the back
Connectors	Remote control port

### MECHANICAL PROPERTIES

Length, width, height (max)	95 x 57 x 37 mm
Housing material	High-performance glass fiber reinforced polymer
Weight	185 g (with battery) / 168 g (without battery)
Mounting interface	MIL-STD-1913 Rail (NATO STANAG, Picatinny)

### ENVIRONMENTAL PROPERTIES

Operational temperature	-32 °C to +71 °C
Storage temperature	-46 °C to +71 °C
Immersion	IP68 rated