



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	26 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/e²)	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)		



COLT OPTICS

TECH DATA SHEET

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