Traffic Safety Lidar Certificate of Calibration

T.M.D.E. Calibration Labs, Inc.
P.O. Box 8
Richmond, ME 04357
207-737-4493

Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Laser Technology		
Model:	TruSpeed S	**Cal. Date:**	02/24/2026
Serial #:	TJ-001069	**Cal. Expires:**	02/28/2027

Standard Used

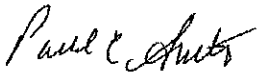
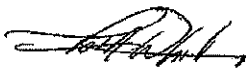
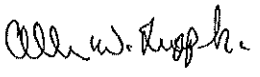
Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	759 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	10.44 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

T.M.D.E. certifies that all calibration instrumentation used in these tests are traceable to International System of Units (SI) through N.I.S.T. Tests were performed in accordance with ISO/IEC 17025:2017 standards. Certification documentation is available upon request.

Certified By:	Authorized By:	Training/Supervision By:
Paul Smith	Peter A. White, President	Allen W. Tripp Sr, Technical Manager

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Laser Technology		
Model:	TruSpeed S	**Cal. Date:**	02/24/2026
Serial #:	TJ-001108	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	771 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	10.57 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Laser Technology		
Model:	TruSpeed S	**Cal. Date:**	02/24/2026
Serial #:	TJ-003112	**Cal. Expires:**	02/28/2027

Standard Used

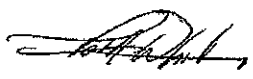
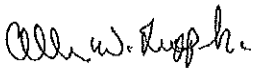
Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
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Parameter	Value	Pass
Laser Total Output	671 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	10.56 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-28013	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	181.5 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	13.5 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	18.53 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-16695	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	180.6 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	12.4 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	19.42 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-28012	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	179.3 µW	☑
Laser Output 7mm aperture (max $17x10^{-6}W$)	14.2 µW	☑
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	18.15 nS	☑
Speed Accuracy (+/- 1 MPH)	Pass	☑
Range Accuracy (+/- 6")	Pass	☑

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-22617	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	177.8 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	14.9 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	18.55 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-16693	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	181.4 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	15.2 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	19.49 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-16694	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	175.6 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	12.9 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	18.02 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-22618	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	182.1 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	14.4 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	18.43 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-25616	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	183.2 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	13.5 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	18.31 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser IV	**Cal. Date:**	02/24/2026
Serial #:	LF-25615	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	179.7 µW	☑
Laser Output 7mm aperture (max $17x10^{-6}W$)	9.6 µW	☑
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	17.92 nS	☑
Speed Accuracy (+/- 1 MPH)	Pass	☑
Range Accuracy (+/- 6")	Pass	☑

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser III	**Cal. Date:**	02/24/2026
Serial #:	PL-40976	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	171.7 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	13.8 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	17.25 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser III	**Cal. Date:**	02/24/2026
Serial #:	PL-40975	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	171.9 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	14.2 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	17.79 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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Agency:	Lowell Police Department	**State:**	Massachusetts
Manufacturer:	Kustom Signals		
Model:	Pro-Laser III	**Cal. Date:**	02/24/2026
Serial #:	PL-18438	**Cal. Expires:**	02/28/2027

Standard Used

Model: Ophir Nova, or Ophir Starlite **Serial Number:** 516676, 62879 or 733690

Our equipment has been calibrated within the past year.
Certification documentation available upon request.

Parameter	Value	Pass
Laser Total Output	175.1 µW	✓
Laser Output 7mm aperture (max $17x10^{-6}W$)	11.5 µW	✓
Pulse Width: (Spec., MPH, Stalker, DragonEye, Kustom < 100NS) (Spec. LTI <30NS)	17.15 nS	✓
Speed Accuracy (+/- 1 MPH)	Pass	✓
Range Accuracy (+/- 6")	Pass	✓

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