

EOPTICS SERIES

SUPERIOR PERFORMANCE.

NO MATTER THE SITUATION.

STEINER EOPTICS PRODUCTS UTILIZE INNOVATIVE STATE-OF-THE-ART TECHNOLOGIES THAT MAKE YOU MORE EFFECTIVE IN THE FIELD AND PROVIDE A HIGHER LEVEL OF PERFORMANCE EVEN IN THE HARSHEST OF ENVIRONMENTS, SO YOU CAN LET YOUR INSTINCTS AND TRAINING TAKE OVER AND STILL BE CONFIDENT, ACCURATE AND HIGHLY EFFECTIVE.

IMAGING SYSTEMS • LASER AIMING SOLUTIONS • **BEACONS • ILLUMINATION**





STATE-OF-THE-ART ENGINEERING DEPARTMENT

STEINER EOPTICS MAINTAINS A STATE-OF-THE-ART ENGINEERING DEPARTMENT WITH A FULL COMPLEMENT OF EXPERIENCED MECHANICAL, ELECTRICAL AND OPTICAL ENGINEERS. THESE SKILLED PROFESSIONALS ARE SUPPORTED BY HIGHLY SKILLED ELECTRICAL AND MECHANICAL TECHNICIANS.





RAPID PROTOTYPING

ONCE THE INITIAL DESIGN PROCESS IS FINISHED, 3-D PRINTING STATIONS ARE USED TO RAPIDLY PROTOTYPE AND PERFECT THE DESIGN. WE HAVE ACCESS TO SUPPLIERS AND RESOURCES TO QUICKLY TAKE A DESIGN PROJECT FROM BARE CONCEPT TO A WORKING, TESTABLE PROTOTYPE.

ASSEMBLY

ONCE PARTS AND ASSEMBLIES ARE RECEIVED, THE DESIGN TEAM IS ABLE TO ASSEMBLE AND TEST LASER AND ILLUMINATION SYSTEMS IN A STATE-OF-THE-ART FORTICS LAB.

KEY TEST AND ASSEMBLY CAPABILITIES

- A HIGH LEVEL CLEAN ROOM FOR THE ASSEMBLY OF SENSITIVE EOPTICS PRODUCTS
- SENSITIVE OPTICAL POWER METERS AND BEAM CHARACTERIZATION CAMERAS WITH THE NECESSARY FILTERS AND APERTURES FOR MEASURING ALL LASER OUTPUTS FROM 500 NANOMETERS TO 1.5 MICRONS AT OUTPUT POWERS FROM .01 MILLIWATTS TO 500 MILLIJOULES
- LASER SAFETY ROOM WITH CONTROLLED ACCESS AND SAFETY SHIELDING
- A FULL ARRAY OF ENVIRONMENTAL TEST EQUIPMENT



PRODUCTION PROCESS

THE PRODUCTION PROCESS ENSURES THAT ANY DEFECTS IN THE ASSEMBLY PROCESS ARE CAUGHT AS EARLY AS POSSIBLE. THE MAJORITY OF THE ASSEMBLY STAGES ALSO HAVE A MATCHING TEST STAGE USED TO CONFIRM THAT THE PRIOR PRODUCTION STEP WAS PROPERLY PERFORMED.

MECHANICAL SHOCK, TO SIMULATE **DEVICES WILL BE MOUNTED**

MECHANICAL VIBRATION, TO SIMULATE TRANSPORT ROTARY-WING AND FIXED-WING AIRCRAFT

HIGH AND LOW TEMPERATURE OPERATION AND STORAGE TESTING. THE WEAPONS ON WHICH THE DOWN MILITARY AND COMMERCIAL VEHICLES INCLUDING WHERE THE DEVICES ARE EXPOSED TO THE MAXIMUM EXPECTED. **OPERATING TEMPERATURES AND STORAGE TEMPERATURES**

TEMPERATURE SHOCK, WHERE THE EQUIPMENT IS HEATED TO A HIGH TEMPERATURE AND TRANSITIONED INTO A VERY ▶ SIMULATED AND TO ACTUAL ▶ **COLD TEMPERATURE WITHIN A FEW SECONDS**

IMMERSION TESTING, BOTH DEPTHS TO 20 METERS

ADDITIONAL ENVIRONMENTAL TESTING MAY INCLUDE **EXPOSURE TO SALT FOG, SAND OR DUST AND/OR ELECTRO-MAGNETIC TESTING**



DUALITY ASSURANCE

STEINER EOPTICS MAINTAINS AN ISO 9001 QUALITY MANAGEMENT SYSTEM AND HAS CONTINUOUSLY MAINTAINED AN ISO 9001 QMS CERTIFICATION SINCE 2001. QUALITY PLAYS A VERY IMPORTANT ROLE AT STEINER AND STARTS WITH THE DESIGN AND DEVELOPMENT PROCESS. DURING THE INITIAL DESIGN REVIEW. OUR ENGINEERS EVALUATE THEIR DESIGN CONCEPT TO MAKE SURE THAT IT WILL MEET THE NECESSARY QUALITY REQUIREMENTS.

A PROVEN TRACK RECORD

STEINER EOPTICS HAS A PROVEN TRACK RECORD AS A GOVERNMENT CONTRACTOR SUPPLYING ELECTRO-OPTICAL SYSTEMS TO THE U.S. DEPARTMENT OF DEFENSE AS WELL AS OTHER ALLIED CUSTOMERS. IN ADDITION TO SUPPLYING PRODUCTS TO OUR MILITARY CUSTOMERS, STEINER HAS ALSO BEEN SELECTED TO PROVIDE DESIGN AND DEVELOPMENT SERVICES TO THE U.S. GOVERNMENT AND OTHER PRIME CONTRACTORS.

AN/PVS-21 | The World's Most Capable Night Vision System

DESIGNED FOR AGGRESSIVE SPECIAL OPERATION MISSIONS IN ANY ENVIRONMENT, THE AN/PVS-21 IS BATTLE PROVEN AND THE MOST RUGGED SYSTEM AVAILABLE. A PATENTED LOW-PROFILE DESIGN PROTRUDES 3-4 IN. LESS THAN CONVENTIONAL NIGHT VISION GOGGLES.

····· AN/PVS-21 OVERALL FEATURES ·····

- Low-profile, see-through technology
- See-through optics instantly transition to bright light
- Enhanced situational awareness with sensor integration
- Large, un-intensified field-of-view for improved depth perception and CQB capability
- Eliminates vertigo and tunnel vision associated with conventional systems
- Reduced center of gravity for great comfort and extended wear
- Ideal for high-speed vehicle operation, parachute jumps and aggressive use over rough terrain



UNIVERSAL REFOCUS FLIP LENS

This versatile design adapts to any mission or environment, whether in the air, on land or in the water.

sensor Integration, low-profile see through technology.

This lens allows the operator to perform momentary close-in tasks such as map-reading or weapon clearing. The operator can then instantly return the NVG to infinity by flipping the lens back. Fits AN/PVS-14s. -7s, -15s, ANVIS -6, -9, and many otherstandard NVGs.

AN/PVS-21 REFOCUS FLIP LENS

This refocus lens is optimized for the AN/PVS-21.

CEHUD

CONFORMAL ENHANCED HEADS UP

A lightweight, compact and ruggedized HUD that is day or night capable. Designed for use with the AN/PVS-21 LPNV Goggle, Model 2740 Monocular and Model 2758 Dayviewer.

Accepts SVGA/VGA format color video signals or NTSC/PAL black & white video signals. Fingertip adjustment of power, brightness, contrast and diopter adjustment.



COTM

CLIP ON THERMAL MODULE

The COTM injects its thermal imagery directly onto the eyepiece of the AN/PVS-21 LPNVG so the thermal image retains its black and white color for instant spectral-band differentiation by the operator. The COTM can also be used as a full-color capable Heads Up Display. SVGA, VGA, NTSC or PAL external video sources can be optically overlaid onto the I2 night vision scene of the AN/PVS-21

LPNGV for greater situational awareness. Instantly switches between internal thermal imagery to external video sources (weapon sight, maps, UAV video feeds, navigation or communications.

····· COTM OVERALL FEATURES

- Large field-of-view thermal imagery
- Improved detection, recognition, identification and situational awareness
- Day or night capability
- Small profile and light weight
- Quickly attaches to either side of the AN-PVS-21 LPNVG for greater versatility



FULL THERMAL

MIXED

DECLUTTER

EDGE ETECT

Switchable Mode Presets provide four preset modes for optimum viewing. The operator can easily switch between Full Thermal / Mixed Mode / Declutter / Edge Detect.

NEW CINDER

This sleek, modern thermal sight is ideal for the night-time hunter. Available as a handheld or weapon mounted sight, Cinder offers best-in-class electronics and smartphone integration.

Electronic features, powered by CR123 or rechargeable batteries, include passive range estimation, picture-in-picture digital zoom and recoil-activated video recording. Cinder is fully configurable from your smart phone and is compatible with both Android and iPhones. Over-the-air (OTA) firmware updates run seamlessly in the background. Streaming video for transmitting live images to connective devices. Geotag integration with Google Maps for location tracking.



Item No. 300503

NEW CQT

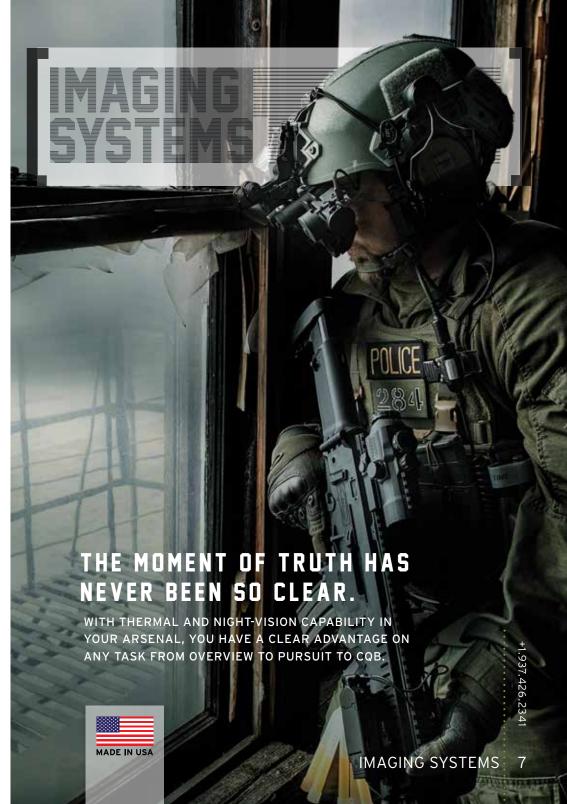
CLOSE QUARTERS THERMAL

Exceptional innovation drives this unique, see-through thermal sight that overlays imagery onto a direct view of the real world. Quickly identify and engage targets. Ideal for situational awareness.

The CQT features a 2.5 MOA red dot reticle for precision targeting. Overlay thermal imaging is available in outline, patrol, and full thermal modes – all of which can seamlessly transition from daylight to total darkness.



Item No. 300352



AIMING LASERS | Laser and Light Combinations for Every Possible Scenario

DBAL-A⁴

DUAL BEAM AIMING LASER - ADVANCED⁴

Visible and infrared lasers, IR and white light illuminators: light and laser combinations for every possible scenario. High/low modes. Civilian and restricted models available.



DBAL-A³

DUAL BEAM AIMING LASER - ADVANCED³

Available for restricted or commercial markets. Features an adjustable IR illuminator for better illumination at longer ranges, dual activation switches and high/low power modes.



Item No.*	Visible Pointer	IR Pointer	IR Illuminator	White Light LED
78000	<5 mW Green	<0.7 mW	<0.7 mW	500 Lumens
78001	<50 mW Green	<50 mW	<50 mW	500 Lumens
78002	<5 mW Red	<0.7 mW	<0.7 mW	500 Lumens
78003	<80 mW Red	<50 mW	<50 mW	500 Lumens

- VISIBLE LASER IR LASER IR LASER & ILLUMINATOR COMBINED WHITE LIGHT LED
- WHITE LIGHT LED & VISIBLE LASER COMBINED INCLUDES REMOTE CABLE PORTS FOR PADDLE SWITCH ACTIVATION AND VISIBLE LASER/WHITE LIGHT OVERRIDE
- * Available in Black and Desert Sand

Visible Pointer	IR Pointer	IR Illuminator
<5 mW Red	<50 mW	<50 mW
<80 mW Red	<50 mW	<50 mW
<80 mW Red	<50 mW	<200 mW
<5 mW Green	<50 mW	<50 mW
<50 mW Green	<50 mW	<50 mW
<50 mW Green	<50 mW	<200 mW
<5 mW Green	<0.7 mW	<4 mW
	<5 mW Red <80 mW Red <80 mW Red <5 mW Green <50 mW Green	<5 mW Red

- VISIBLE RED OR GREEN LASER IR LASER & ILLUMINATOR COMBINED
- * Available in Black and Desert Sand

- Fully adjustable windage and elevation
- · Available high and low power modes
- Integrated push-button switch and remote cable pressure-pad switch activation tap and release for momentary activation; tap twice for 5-minute continuous ON
- · Attaches to any Picatinny rail using a patented, self-adjusting Quick Release Mount
- · Includes remote cable port
- Activation/low battery indicator light

LASER AIMING SOLUTIONS



UNMATCHED VERSATILITY AND SUPERIOR
OPERATIONAL LONGEVITY ARE PAIRED TOGETHER IN
THE DBAL FAMILY OF LASERS TO PROVIDE MAXIMUM
FUNCTIONALITY FOR MILITARY, LAW ENFORCEMENT
AND RECREATIONAL USERS WORLDWIDE.



THE DBAL-PL/DBAL-RL FUNCTION IN TWO OPERATIONS MODES: VISIBLE AIMING LASER AND 400-LUMEN WHITE LIGHT LED; INFRARED POINTER AND ILLUMINATOR.

THE SBAL-PL/SBAL-RL IS A COMPACT LIGHT WITH RED OR GREEN LASER AND A 500-LUMEN WHITE LIGHT LED.

DBAL & SBAL OVERALL FEATURES

- · Green or Red visible aiming laser
- IR laser and IR illuminator (DBAL only)
- · White Light LED
- Co-aligned visible and IR aiming lasers (DBAL only)
- Fully adjustable windage and elevation
- Integrated adjustable Picatinny mount
- · Powered by CR123A batteries
- · Quick-release battery latch
- · Ideal for daylight and no-light conditions
- Accurately engages target, even from awkward angles and in low-light conditions
- · Programmable for any mission requirement



DUAL BEAM AIMING LASER PISTOL LIGHT



DUAL BEAM AIMING LASER RIFLE LIGHT

Item No.	Visible Pointer	IR Pointer	IR Illuminator*	White Light LED
DBAL-PL				
79050	<5 mW Green	<0.7 mW	600 mW	400 lumens
79040	<5 mW Red	<0.7 mW	600 mW	400 lumens
DBAL-RL				
79055	<5 mW Green	<0.7 mW	600 mW	400 lumens
79045	<5 mW Red	<0.7 mW	600 mW	400 lumens

* At source





PUSH BUTTON MODE SELECTION. EACH MODEL HAS SEVERAL OPERATIONAL MODES, WHICH ARE USER-PROGRAMMABLE.



SINGLE BEAM AIMING LASER PISTOL LIGHT



Item No.	Visible Pointer	White Light LED
SBAL-PL		
79060	<5 mW Green	500 lumens
79070	<5 mW Red	500 lumens
SBAL-RL		
79065	<5 mW Green	500 lumens
79075	<5 mW Red	500 lumens





WHITE LIGHT AND IR ILLUMINATOR SIT BELOW AIMING LASER(S).



DUAL BEAM AIMING LASER WITH IR LED **ILLUMINATOR**

High-definition aspherical, telescopic IR illuminator significantly enhances night-vision performance. Features a 2° to 30° adjustable illumination beam and offers an eye-safe means of illuminating distances greater than 1,000 meters.



DBAL-I²

DUAL BEAM AIMING LASER - INTELLIGENT²

The most lightweight model in the DBAL Series, this "intelligent" laser provides extreme accuracy in low-light conditions and can be used with night-vision devices.



Item No.*	Visible Laser	IR Pointer	IR Illuminator**
40301	<5 mW Green	<0.7 mW	<600 mW

 \circ CO-aligned visible & ir aiming lasers $\,\circ$ class 1 ir laser with ir illuminator combined \circ system can be mounted on right, left or top of weapon

*Available in Black and Desert Sand ** At Source



Item No.*	Visible Pointer	IR Pointer	IR Illuminator
40072	-	<50 mW	<50 mW
50406	<50 mW Green	<50 mW	-
50433	<5 mW Red	<0.7 mW	
50436	<5 mW Green	<0.7 mW	
50450		<0.7 mW	<4 mW

- TWO CONFIGURATIONS AVAILABLE: VISIBLE AND IR LASER POINTER & IR LASER POINTER AND IR ILLUMINATOR
 PRE-DRILLED MOUNTING HOLES FOR OPTIONAL SUB-MINIATURE RED DOT SIGHT OR MIL-SPEC TOP RAIL
- * Available in Black and Desert Sand

DBAL OVERALL FEATURES

- Fully adjustable windage and elevation
- · Available high and low power modes
- Integrated push-button switch and remote cable pressure-pad switch activation tap and release for momentary activation; tap twice for 5-minute continuous ON
- Attaches to any Picatinny rail using the patented, self-adjusting Quick Release HT Mount
- · Includes remote cable port
- Activation/low battery indicator light





STEINER EOPTICS CLOSE QUARTERS BATTLE LASERS PROVIDE RAPID, CLOSE-RANGE AIMING ACCURACY, BECAUSE ENEMIES, HOSTAGES, CIVILIANS OR TEAMMATES CAN BE CLOSELY INTERMINGLED DURING DANGEROUS CLOSE ENCOUNTERS. BEING EQUIPPED WITH A CQBL-1 LASER ENABLES FASTER AND MORE PRECISE TARGET ACQUISITION.

CQBL-1

Item No.*

One of the smallest and most rugged dual-function lasers available, the CQBL-1 is compatible with virtually every submachine gun and short-barrel rifle there is, and packs the output power needed for use on carbine, rifle and light machine gun systems.

60603	<5 mW Red	<0.7mW	
CO ALICNED VICIDI E DED LACED AND ID A	IMING LACED A INTEG	DATED DUCH DUTTON OF	VITCU AND DEMOTE C

Visible Pointer

PRESSURE-PAD SWITCH ACTIVATION - TAP AND RELEASE FOR MOMENTARY ACTIVATION; TAP TWICE FOR 5-MINUTE CONTINUOUS ON • DUAL FUNCTION/SINGLE POWER MODE • INTEGRATED PICATINNY MOUNT • REMOTE CABLE PORT

IR Pointer

* Available in Black and Desert Sand

OFFSET TACTICAL AIMING LASERS

THE **OTAL-C** IS THE "CLASSIC" VERSION OF THE OFFSET TACTICAL AIMING LASER SERIES. RUGGED AND COMPACT, THE OTAL-C LASER IS USED BY MILITARY AND LAW ENFORCEMENT AGENCIES WORLDWIDE AND HAS DEVELOPED A RELIABLE REPUTATION. IT MOUNTS BEHIND THE FRONT SIGHT ON M-4 STYLE RIFLES AND THE LASER CLEARS THE FRONT SIGHT. THE COMPACT DESIGN MINIMIZES WEIGHT AND THE LOW PROFILE MAKES IT EASY TO MOUNT IN FRONT OF SCOPES, HOLOGRAPHIC SIGHTS OR NIGHT VISION DEVICES.

THE **OTAL-A** SERIES IS THE "ADVANCED" GENERATION OF THE OTAL-C. THE OTAL-A CAN BE MOUNTED AT THE 12 O'CLOCK POSITION ON AN M-4 WEAPON SYSTEM WITH A STANDARD FRONT SIGHT BASE. THE LASER IS OFFSET JUST ENOUGH TO CLEAR THE FRONT SIGHT BASE.

OVERALL FEATURES

- Fully adjustable windage and elevation
- Quick-release Mount
- Push-button or remote cable pad activation
- Momentary or constant ON operation (only on OTAL-A)
- · Remote cable port

OTAL-C

Designed for the M-4 platform, the visible red laser beam on this model projects around the front sight. It can be mounted in front of scopes, holographic sights and night-vision devices.

Item No.*	Weight	Visible Pointer	IR Pointe
19215	4.9 oz.	<5 mW Red	-
19217	4.9 oz.	-	<0.7 mW

^{*} Available in Black

OTAL-A

This "advanced" model forges ahead with innovative enhancements.

Item No.*	Weight	Visible Pointer	IR
19146	6 oz.	<5 mW Green	-
19241	6 oz.	<50 mW Green	-

^{*} Available in Black



MULTI-SPECTRAL BEACONS | Thermal and Other Covert Spectrums





STAR BEACON

(SWIR), or MWIR, NIR and Visible (VIS).

The STAR Beacon is a state-of-the-art thermal IFF beacon that is undetectable by the naked eye, night vision goggles or commercial video cameras. It is visible to MWIR targeting pods for up to 8 nautical miles (15 km). Small with a low-profile that easily mounts to helmets and vehicles.



STAR OFF

STAR ON

······ CUSTOMIZABLE BEACONS ······

Beacons can be customized with combinations of Visible, Thermal, SWIR or NIR options.





BACK / NOT FLASHING



BACK / FLASHING

NEW HMB

The high-quality, low-cost, palm-sized Helmet Mounted Beacon features visible, short-wave infrared (SWIR) and near infrared (NIR) spectrums. Easily seen up to 10 km by U.S. and NATO targeting pods and drones. Provides tactical advantages for covert operations.

The NOVA Beacon is a multi-spectral combat ID beacon with thermal, NIR

and white LED emitters that covertly marks blue force personnel and vehicles. In thermal mode, THE NOVA BEACON emits no visible signature and is undetectable by conventional night vision. The operator can easily set up the NOVA for NIR, thermal, visible white light or combinations of thermal and NIR.







can be remotely activated from up to 6 km away. With standard night vision goggles it can be detected from 15 km. The "All" setting lets the operator turn on every beacon regardless of channel. Beacons can be placed on the ground or attached to stakes with

internal magnets.

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Mk3

BATTLE LIGHT

The impressive Mk3 features a 600 mW eye-safe IR LED and a 500-lumen white light LED with high/low and strobe modes.



Item No.*	IR Illuminator	White Light
60455	<600 mW	500 lumens

^{*} Available in Black

Mk4

BATTLE LIGHT

The modular, low-profile design of this 500-lumen weapon light provides interchangeable switch options and places the light close to the weapon body, nearly eliminating the rifle barrel shadow and enhancing weapon-handling switchology. It can operate on two CR123A batteries.

	m No.*	White Light LED
60460 500 lumens	60	

^{*} Available in Black

THESE LIGHTS ARE PERFECT ACCESSORIES FOR ANY MISSION WHERE EVERY OUNCE COUNTS. IT'S NOT JUST ABOUT THE LUMENS - IT'S ABOUT THE QUALITY OF LIGHT. BATTLE HARDENED AND MILITARY GRADE, THESE FLASHLIGHTS ARE RUGGED, LOW PROFILE AND PRODUCE A STUNNING BEAM OF BRILLIANT WHITE LIGHT WITHOUT ANY DIM OR SHADOWED AREAS. THESE BATTLE LIGHTS CAN BE HANDHELD OR WEAPON-MOUNTED AND ARE FULLY OPERATIONAL FROM 20,000 FEET ABOVE SEA LEVEL TO 20 METERS BELOW THE OCEAN'S SURFACE.

BATTLE LIGHTS OVERALL FEATURES

- Integrated push-button operation
- · Handheld or weapon-mounted capability
- · Recoil-resistant white light LED
- Robust waterproof construction

• Temperature range: -10° C to +65° C

Mk5

BATTLE LIGHT

One of the brightest handheld flashlights available today, this powerful light has a 800-lumen white light LED and illuminates up to 400 meters.

Item No.* White Light LED 800 lumens 76000

* Available in Black







MODERN-DAY WARFIGHTERS DISRUPT ENEMY OPERATIONS BY DELIVERING PRECISE, LONG-RANGE FIRE ON SELECTED TARGETS. SPECIAL OPERATIONS, POLICE AND SWAT UNITS PROTECT INNOCENT CIVILIANS IN RESIDENTIAL HOSTAGE CRISES, HIGH-RISK SEARCH/ARREST WARRANTS AND OTHER DOMESTIC SITUATIONS. IN ALL OF THESE SITUATIONS, STEINER EOPTICS' HIGHLY SOPHISTICATED ILLUMINATION TOOLS AID IN THE DETECTION AND IDENTIFICATION OF THREATS BY ALLOWING THE USER TO MOVE, SHOOT AND COMMUNICATE EFFECTIVELY IN TOTAL DARKNESS WHILE ENSURING MAXIMUM EFFECTIVENESS WITH MINIMUM RISK.

SPIR

This Special Purpose IR LED illuminator is equipped with a high-definition, aspherical telescopic illuminator. It can be used in conjunction with night-vision equipped spotting scopes and deployed as a handheld or weapon-mounted IR illuminator.

Item No.* Illuminator
60480 <600 mW

- INTEGRATED ACTIVATION SWITCH ACTIVATION/MODE SELECTOR SWITCH
- INTEGRATED PUSH-BUTTON SWITCH & REMOTE CABLE PRESSURE PAD SWITCH ACTIVATION -TAP AND RELEASE FOR MOMENTARY ACTIVATION; TAP TWICE FOR 5-MINUTE CONTINUOUS ON
- HIGH & LOW POWER MODES
- * Available in Black





Quality engineered for a flawlessly centered dot every time, this borelight provides a precise, accurate alignment in the field without firing a single round of ammo. Includes a visible red laser and stainless steel bore rods.



Item No.* Visible Laser
3170635 <5 mW Red

- FULLY ADJUSTABLE FOR WINDAGE & ELEVATION
- ROTARY SWITCH FOR EASY OPERATION INCLUDES ARBORS FOR THESE CALIBERS: .22/.223/5.56 MM
 OVERSIZE; .223/5.56MM; 7MM; .30/.308/30-06/7.62MM; .38/.357/9MM; AND .40/10MM/.45/.50
- * Available in Black





TOR SERIES | Combat Worthy Lights and Lasers

THE TOR SERIES ARE MIL-GRADE ALUMINUM AND STEINER STRONG, BUILT TO EXPOSE, BLIND AND TARGET WITH MAXIMUM IMPACT. UP TO ANY CHALLENGE. JUST LIKE YOU.

····· TOR OVERALL FEATURES

Anodized aluminum housing

- Adjustable for windage/elevation
- Lightweight and compact

TOR FUSION

Combines both white light illumination with either a red or green aiming laser.

Item No.	Visible Pointer	White Light LED	
300389	<5 mW Green	500 Lumens	
300390	<5 mW Red	500 Lumens	

TOR MINI

Miniature rail-mounted laser available with either red or green lasers.

Item No.	Visible Pointer
300387	<5 mW Green
300388	<5 mw Red

TOR TORCH

A high-powered white light LED illuminator.

Item No.	White Light LED
300391	500 Lumens



NEW TOR FUSION IR NEW TOR MINI IR

Bright white illumination with infrared laser pointer.

Item No.	IR Pointer	White Light LED
300443	<0.7 mW	500 Lumens

Mini rail-mounted infrared laser.

Item No.	IR Pointer
300442	<0.7 mW







LEFT AND RIGHT FIRE BUTTONS FOR AMBIDEXTRIOUS USE



POWERFUL WHITE LIGHT FOR QUICK TARGET **ACQUISITION**



TOR FUSION COMBINES POWERFUL WHITE LIGHT ILLUMINATION WITH ADJUSTABLE LASER POWER



		AN/PVS-21* 2777-0003 KIT 2777-0240	CEHUD 100401	COTM 300221	CINDER 300503	CQT 300352		UNIVERSAL REFOCUS LENS 100104			SBAL-PL 79060	SBAL-PL 79070	SBAL-RL 79065	SBAL-RL 79075
:	ADJUSTMENTS	Tilt - 14° on the goggle IPD - 55 mm	Tilt - 14° on the goggle				ANGULAR	10° SER	뚭 _년 :	VISIBLE RED/GREEN LASER IR LASER POINTER	Green - Class 3R	Red - Class 3R	Green - Class 3R	Red - Class 3R
:	ADJUSTMENTS	to 80mm	IPD - 55 mm to 80mm		•		FIELD OF VIEW		ASI TYF	IR ILLUMINATOR	-	-	-	-
:			Display Module - 44 g /						٠.					
:	WEIGHT	/41 grams Power Module - 250	2.5 oz.; Helmet-Mounted Power Module - 250 g /	170 grams	_	390 grams		20: 1	. :	VISIBLE RED / GREEN LASER	<5 mW	<5 mW	<5 mW	<5 mW
	WEIGHT	26.1 ounces	8.8 oz.; Vest/Pocket Power	6 ounces		13.7 ounces	FOCUS RANGE	~20 in. to 24 in.	끖	IR LASER POINTER	-	-	-	-
			Module - 250 g / 8.8 oz.						POWER	IR ILLUMINATOR	-	-	-	-
URES	AUXILIARY Illumination	Two IR LEDs - Off/Low/High	-	-	-	-	APPLICATIONS	PVS-14, -15, -18, -21 and	•	WHITE LIGHT	500 lumens	500 lumens	500 lumens	500 lumens
. ¥T	SOURCE						APPLICATIONS	others		VISIBLE RED LASER	-	635 nm+/-3%	-	635 nm+/-3%
<u> </u>	BATTERIES	AA battery 1.5-3.6V alkaline or lithium	(4) AA batteries	(4) CR 123	(2) CR 123 (1) Rechargeable 18650	(2) CR 123A			E N	VISIBLE GREEN LASER	520 nm +/-3%	-	520 nm +/-3%	
₹:			Precision, quick-release		(i) itecinal geable 10000			41 10 (1	☐ IR LASER POINTER	-	-	-	-	
PHYSICAL FEATURES	MOUNTS	Precision, quick-release mounting on helmets and head harnesses.	mounting on helmets and head harnesses. Integrated	-	Handheld	MIL-STD 1913 /	DIMENSIONS	41 x 19 x 61 mm (1.6 x 0.74 x 2.4 in.)	WAVELENGTH	IR ILLUMINATOR	-	-	-	-
_:	moditio	Integrated HUD port for	HUD port for sensor integration. Power Module		Picatinny Rail	Picatinny rail			ш :	VISIBLE LASER	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad
		sensor integration	Mount					10 Fa (0.4	BEAM FRGENCE	IR LASER POINTER	-	-	-	-
:	CONTROLS	-	On/Off, Brightness,	_	_	-	WEIGHT	10.5g (0.4 ounces)	unces)	IR ILLUMINATOR	-	-	-	-
:	CONTROLS		Contrast and Diopter						B DIVE		22°	22°	22°	22°
:		Less than 8 cm		COTM Module 46 x 43 x 117 mm										
:	DIMENSIONS	in depth	72 x 129 x 39mm	Battery Pack	-	133 x 77 x 53mm		AN/PVS-21 REFOCUS	- }:	VISIBLE RED LASER	-	25 m	-	25 m
•			85 X 19	85 x 195 x 28 mm				AN/PVS-21 REFOCUS LENS 2778-0301	₩:	VISIBLE GREEN LASER	35 m	-	35 m	-
:	DISPLAY		Color capable SVGA	-	Full Color OLED	SVGA OLED (Green)			₩ : IR L	IR LASER POINTER	-	-	-	-
	DISPLAT		Analog SVGA display in		Wireless: 802.11 b/q/n,	SVGA OLED (Green)			_ ≧:	IR ILLUMINATOR	-	-	-	-
:			16.7 million colors	VGA, SVGA, NTSC or PAL	H.264 and MPEG4		ANGULAR	30°	N .	WHITE LIGHT	100 m	100 m	100 m	100 m
	VIDEO INPUTS	-	NTSC or PAL display	(factory	compression Wired: SMA for NTSC or	-	FIELD OF VIEW	00	2					
:			in 256 gray shades monochrome	configurable)	PAL analog video export					TEMPERATURE	-20° C to +65° C	-40° C to +65° C	-20° C to +65° C	-40° C to +65° C
₩:	RESOLUTION		SVGA - 800x600	Thermal: 320 x 240	Thermal: 320 x 240	Thermal: 320 x 256	FOCUS RANGE	~20 in. to		BATTERY	CR123A (1)	CR123A (1)	CR123A (1)	CR123A (1)
¥:	KESULUTION	-	2ARY - 800X900	Display: 800 x 600	Display: 800 x 600	Thermal: 320 x 256	FOCUS RANGE	24 in.		BATTERY LIFE (MODE DEPENDENT)	>2 Hours	>2 Hours	>2 Hours	>2 Hours
PERFORMANCE	THERMAL CAMERA SPECTRUM	-	-	8 to 12 µm	-	12 µm	APPLICATIONS	AN/PVS-21		MATERIAL	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum
H :			SVGA - 31.7°				APPLICATIONS	AN/FV3-21		COLOR	Black	Black	Black	Black
<u> </u>	ANGULAR Field-of-view	40°	VGA - 25.6° View is similar to 17-in.	31.7°SVGA	_				1	VEIGHT (WITH BATTERY) (OZ.)	4.6	4.6	4.6	4.6
OPTICAL	(THROUGH GOGGLES)		monitor at	25.6° VGA			DIMENSIONS	48 x 45 x 30		DIMENSIONS (IN.) (LxWxH)	3.46 x 1.32 x 1.62	3.46 x 1.32 x 1.62	3.5 x1.3 x 1.4	3.5 x1.3 x 1.4
OPT	UNAIDED	165° horizontal and	2.3 ft. distance			12°horizontal and	DIMENSIONS	mm (1.7 x 1.7 x 1.2 in.)		WATERPROOF	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m
:	FIELD OF VIEW (FOV)	90° vertical	-	-	•	9.6° vertical				MOUNT	Standard Pistol	Standard Pistol	M1913 Rails	M1913 Rails

IMAGING SYSTEMS LASERS LASERS

STEINER-DEFENSE.COM

TEMPERATURE RANGE TEMPERATURE RANGE OPERATING ALTITUDE (Sea Level to 35,000 ft.) IMMERSION/ WATERPROOF 10 mm on axis

OBJECTIVE FOCUS 33 cm to infinity

EXIT PUPIL

25 mm EYE RELIEF 40 mm OPERATING -30°C (-22°F) to -30°C (-22°F) to -30°C (-22°F) to -40°C (-40°F) to 50°C (140°F) 70°C (158°F) STORAGE -55°C (-67°F) to -40°C (-40°F) to -40°C (-40°F) to 65°C (146°F) 60°C (149°F) Sea Level to 35,000 ft. Sea Level to 30,000 ft.

Fixed from 5

meters to infinity

Sea Level to 30,000 ft. IP67 Rating IP67 Rating 20 m for 2 Hours

Technology Specifications subject to change without notice.

or M1913 Rails

Integrated Push

Quick-Release

Battery Cap,

Recoil Resistant

White Light LED

Integrated Push

Quick-Release

Battery Cap,

Recoil Resistant

White Light LED

Technology

ADJUSTMENT

WINDAGE & ELEVATION

ACTIVATION SWITCH

SPECIAL FEATURES

REMOTE CABLE PRESSURE PAD

*Range may vary depending on light and/or atmospheric conditions and target reflectivity. Visible laser range is measured for daytime. Infrared laser range is measured for night.

Integrated Push

Button(s) and

Remote Cable

Quick-Release

Battery Cap,

Technology

Recoil Resistant

White Light LED

Integrated Push

Button(s) and

Remote Cable

Quick-Release

Battery Cap,

Recoil Resistant

White Light LED

Technology

Up to 10 meters

3 meter standard, 10

meter optional

	DBAL-PL 79050	DBAL-PL 79040	DBAL-RL 79055	DBAL-RL 79045	DBAL-D2 40301*	DBAL-12 40072†*	DBAL-12 50406 [†]	DBAL-12 50433*	DBAL-12 50436*
VISIBLE RED/GREEN LASER	Green - Class 3R	Red - Class 3R	Green - Class 3R	Red - Class 3R	Green - Class 3R	-	Green - Class 3R	Red - Class 3R	Green - Class IIIa
IR LASER POINTER IR ILLUMINATOR	Class 1	Class I	Class 1	Class 1	Class 1	Class 3B	Class 1	Class 1	Class I
≦	-	-	-	-	-	Class 3B	-	-	-
VISIBLE RED/GREEN LASER	<5 mW	<5 mW	<5 mW	<5 mW	<5 mW	-	<50 mW	<5 mW	<5 mW
☐ : IR LASER POINTER	<0.7 mW	<0.7 mW	<0.7 mW	<0.7 mW	<0.7 mW	<50 mW	<50 mW	<0.7 mW	<0.7 mW
IR LASER POINTER IR ILLUMINATOR WHITE LIGHT	<600 mW **	<600 mW **	<600 mW **	<600 mW **	<600 mW **	<50 mW	-	-	-
* WHITE LIGHT	400 lumens	400 lumens	400 lumens	400 lumens	-	-	-	-	-
		640 nm+/-3%	_	640 nm +/-2%		_	-	640 nm+/-3%	-
VISIBLE RED LASER VISIBLE GREEN LASER IR LASER POINTER IR ILLUMINATOR	525 nm +/-3%	040 11111+/-3%	525 mW +/-3%	525 nm +/-3%	525 nm +/-3%		525 nm +/-3%	040 11111+/-390	525 nm +/-3%
IR LASER POINTER	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/-3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%
in LASER FOINTER									
₹ : IR ILLUMINATOR	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%			
WICIDIE LACED	<0.8 mRad	(0.0 mPad	(0.0 mDad	(O. O. m.Dad	(0.0 mPad	_	on Company	(0.0 mDad	(0.0 mPad
VISIBLE LASER IR LASER POINTER IR ILLUMINATOR WHITE LIGHT		<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad		<0.8 mRad	<0.8 mRad	<0.8 mRad
IR LASER POINTER	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad	<0.8 mRad
IR ILLUMINATOR	18°	18°	18°	18°	2° to 30°	1-195 mRad	-	-	-
* WHITE LIGHT	22°	22°	18°	18°	-	-	-	-	-
*									
VISIBLE RED LASER	-	25 m		25 m	-	•		25 m	-
VISIBLE GREEN LASER	35 m	-	35 m	-	35 m	-	100 m	-	35 m
IR LASER POINTER	1400 m	1400 m	1400 m	1400 m	1400 m	2500 m	2500 m	1400 m	1400 m
≥ IR ILLUMINATOR	1400 m	1400 m	1400 m	1400 m	1400 m	2500 m	-	•	-
VISIBLE RED LASER VISIBLE GREEN LASER VISIBLE GREEN LASER IR LASER POINTER IR ILLUMINATOR WHITE LIGHT	100 m	100 m	100 m	100 m	-	-	-	-	-
TEMPERATURE	-20° C to +65° C	-40° C to +65° C	-20° C to +65° C	-40° C to +65° C	+4° C to +65° C	-40° C to +65° C	+4° C to +65° C	-40° C to +65° C	+4° C to +65° C
BATTERY Battery Life	CR123A (2)	CR123A (2)	CR123A (2)	CR123A (2)	CR123A	CR123A	CR123A	CR123A	CR123A
(MODE DEPENDENT)	>2 Hours	>2 Hours	>1.75 Hours	>1.75 Hours	>3 Hours	>3 Hours	>3 Hours	>3 Hours	>3 Hours
MATERIAL	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum
COLOR	Black	Black	Black	Black	Black / Desert Sand	Black / Desert Sand	Black	Black / Desert Sand	Black / Desert Sand
WEIGHT (WITH BATTERY) (OZ.)	5.4	5.4	5.4	5.4	12.5	8	8	8	8
DIMENSIONS (IN.) (LxWxH)	3.46 x 1.62 x 1.32	3.46 x 1.62 x 1.32	3.5 x 1.3 x 1.4	3.5 x 1.3 x 1.4	3.95 x 3.37 x 1.59	3.5 x 2.75 x 1.59	3.5 x 2.75 x 1.59	3.5 x 2.75 x 1.59	3.5 x 2.75 x 1.59
WATERPROOF	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m			
MOUNT	Standard Pistol or M1913 Rails	Standard Pistol or M1913 Rails	M1913 Rails	M1913 Rails	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount
WINDAGE & ELEVATION ADJUSTMENT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACTIVATION SWITCH	Integrated Push Button	Integrated Push Button	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cabl
REMOTE CABLE PRESSURE PAD					Yes	Yes	Yes	Yes	Yes
SPECIAL FEATURES	Ouick-Release Battery Cap, Co-Aligned Visible & IR Lasers, Recoil Resistant White Light LED Technology	Quick-Release Battery Cap, Co-Aligned Visible & IR Lasers, Recoil Resistant White Light LED Technology	Ouick-Release Battery Cap, Co-Aligned Visible & IR Lasers, Recoil Resistant White Light LED Technology	Ouick-Release Battery Cap, Co-Aligned Visible & IR Lasers, Recoil Resistant White Light LED Technology	Co-aligned Visible & IR Aiming Lasers	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail

[†]Restricted

^{*}Also Available in Desert Sand

^{**}At the source

Specifications subject to change without notice.

*Range may vary depending on light and/or atmospheric conditions and target reflectivity.
Visible laser range is measured for daytime. Infrared laser range is measured for night.

EOPTICS SPECIFICATIONS

LASERS

		DBAL-12	DBAL-A2	DBAL-A3	DBAL-A3	DBAL-A3	DBAL-A3	DBAL-A3
		50450	40090 [†]	42095†*	52301 [†]	52302 ^{†*}	52303 [†] *	52307 ^{†*}
α ₁₀	VISIBLE RED/GREEN LASER	-	Red - Class 3R	Red - Class 3R	Red - Class 3B	Red - Class IIIb	Green - Class 3R	Green - Class 3B
LASER	IR LASER POINTER	Class 1	Class 3B					
2-	ir illuminator	Class 3R	Class 3B					
	VISIBLE RED/GREEN LASER		<5 mW	<5 mW	<80 mW	<80 mW	<5 mW	<50 mW
읎	IR LASER POINTER	<0.7 mW	<50 mW	<50 mW	<50 mW	<50 mW	<50 mW	<50 mW
POWER	IR ILLUMINATOR	<4 mW	<50 mW	<50 mW	<50 mW	<200 mW	<50 mW	<50 mW
29	WHITE LIGHT	-	-	-	-	-	-	-
	•							
픋	• WOIDLE DED LACED		(40 / 20/	(40 / 20/	(40 / 20/	(40 / 20/		
WAVELENGTH	VISIBLE RED LASER VISIBLE GREEN LASER	•	640 nm+/-3%	640 nm+/-3%	640 nm+/-3%	640 nm+/-3%	525 nm +/-3%	525 nm +/-3%
2	IR LASER POINTER	840 nm +/- 3%						
- ₩	•							
×	IR ILLUMINATOR	840 nm +/- 3%						
101								
Š	VISIBLE LASER	-	<0.8 mRad					
AM GE1	IR LASER POINTER	<0.8 mRad						
H E	IR ILLUMINATOR	95-195 mRad	1-100 mRad	1-195 mRad				
BEAM DIVERGENCE	WHITE LIGHT	•	-	-	-	-	-	-
RANGE/VISIBILITY*	VISIBLE RED LASER		25 m	25 m	120 m	120 m		
峀	VISIBLE GREEN LASER	-	-	-	-	-	35 m	100 m
<u>s</u>	IR LASER POINTER	1400 m	2500 m					
\leq	IR ILLUMINATOR	175 m	2500 m	2500 m	2500 m	4000 m	2500 m	2500 m
NG.	WHITE LIGHT		-	-	-	-	-	-
2								
	TEMPERATURE	-40° C to +65° C	-20° C to +65° C	-20° C to +65° C				
	BATTERY	CR123A						
	BATTERY LIFE (MODE							
	DEPENDENT)	>3 Hours	> 3 Hours					
	MATERIAL	Aircraft Aluminum						
	COLOR	Black						
	WEIGHT (WITH BATTERY) (OZ.)	8	8	8.29	8.29	8.29	8.29	8.29
	DIMENSIONS (IN.) (LxWxH)	3.5 x 2.75 x 1.59	3.5 x 2.75 x 1.59	3.72 x 2.75 x 1.68				
	WATERPROOF	Submersible to 5 m	Submersible to 5 m	Submersible to 20 m	Submersible to 20 m	Submersible to20 m	Submersible to 20 m	Submersible to 5 m
	MOUNT	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount
	WINDAGE & ELEVATION ADJUSTMENT	Yes						
	ACTIVATION SWITCH	Integrated Push Button and Remote Cable						
	REMOTE CABLE PRESSURE PAD	Yes						
	SPECIAL FEATURES	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail



†Restricted

*Also Available in Desert Sand

Specifications subject to change without notice.

*Range may vary depending on light and/or atmospheric conditions and target reflectivity. Visible laser range is measured for daytime. Infrared laser range is measured for night.

		DBAL-A3 52308†*	DBAL-A3 52325*	DBAL-A4 78000*	DBAL-A4 78001†*	DBAL-A4 78002*	DBAL-A4 78003†*	CQBL-1 60603*	OTAL-A 19146
eω	VISIBLE RED OR GREEN	Green - Class 3B	Green - Class 3R	Green - Class 3R	Green - Class 3B	Red - Class 3R	Red - Class 3B	Red - Class 3R	Green - Class 3R
LASER	IR LASER POINTER	Class 3B	Class 1	Class 1	Class 3B	Class 1	Class 3B	Class 1	-
⊃⊢ :	IR ILLUMINATOR	Class 3B	Class 3R	Class 1	Class 3B	Class 1	Class 3B	•	-
	VISBILE RED / GREEN LASER	<50 mW	<5 mW	<5 mW	<50 mW	<5 mW	<80 mW	<5 mW	<5 mW
₩: :	IR LASER POINTER	<50 mW	<0.7 mW	<0.7 mW	<50 mW	<0.7 mW	<50 mW	<0.7 mW	-
POWER OUTPUT	IR ILLUMINATOR	<200 mW	<4 mW	<0.7 mW	<50 mW	<0.7 mW	<50 mW		-
<u></u> 0	WHITE LIGHT	-		500 lumens	500 lumens	500 lumens	500 lumens	-	-
_									
Ŧ::	VISIBLE RED LASER			-		640 nm +/-3%	640 nm +/-3%	640 nm +/-3%	
Ä.	VISIBLE GREEN LASER	525 nm +/-3%	525 nm +/-3%	525 nm +/-3%	525 nm +/-3%	-	-	-	525 nm +/-3%
뒬 :	IR LASER POINTER	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	-
WAVELENGTH	IR ILLUMINATOR	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	840 nm +/- 3%	-
BEAM DIVERGENCE	VISIBLE LASER	<0.8 mRad	<0.8 mRad	<0.5 mRad	<0.5 mRad	<0.5 mRad	<0.5 mRad	<0.8 mRad	<0.8 mRad
≥ä :	IR LASER POINTER	<0.8 mRad	<0.8 mRad	<0.5 mRad	<0.5 mRad	<0.5 mRad	<0.5 mRad	<0.8 mRad	-
ERG:	IR ILLUMINATOR	1-195 mRad	95-195 mRad	4°/90°	4°/90°	4°/90°	4°/90°		-
_≥	WHITE LIGHT	-		8°	8°	8°	8°		-
RANGE/VISIBILITY*	VISIBLE RED LASER	-		-	-	25 m	25 m	25 m	-
∷ ∷	VISIBLE GREEN LASER	100 m	35 m	100 m	100 m	-	-	-	35 m
<u> </u>	IR LASER POINTER	2500 m	1400 m	1400 m	2500 m	1400 m	2500 m	1400 m	
≧ :	IR ILLUMINATOR	4000 m	175m	1400 m	2500 m	1400 m	2500 m		-
S .	WHITE LIGHT			400 m	400 m	400 m	400 m		
A.									
	TEMPERATURE	-20° C to +65° C	-20° C to +65° C	-20° C to +65° C	-20° C to +65° C	-40° C to +65° C	-40° C to +65° C	-40° C to +65° C	+4° C to +65° C
	BATTERY	CR123A	CR123A	CR123A (2)	CR123A (2)	CR123A (2)	CR123A (2)	CR123A	CR123A
BATT	ERY LIFE (MODE DEPENDENT)	>5 Hours	>5 Hours	>3 Hours	>3 Hours	>3 Hours	>3 Hours	>3 Hours	> 3 Hours
	MATERIAL	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum
	COLOR	Black	Black	Black	Black	Black	Black	Black	Black
	WEIGHT (WITH BATTERY) (OZ.)	8.29	8.29	12	12	12	12	6	6
	DIMENSIONS (IN.) (LxWxH)	3.72 x 2.75 x 1.68	3.72 x 2.75 x 1.68	4.5 x 3.4 x 2.1	4.0 x 1.5 x 1.1	3.8 x 1.8 x 1.45			
	WATERPROOF	Submersible to 20 m	Submersible to 20 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m
	MOUNT	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	QD HT Mount	Bolt-on	QD HT Mount
	WINDAGE & ELEVATION ADJUSTMENT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ACTIVATION SWITCH	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable	Integrated Push Button and Remote Cable
	REMOTE CABLE PRESSURE PAD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	SPECIAL FEATURES		Pre-Drilled Mounting For Optional Red Dot Sight or MIL-STD 1913 Top Rail	Dual Remote Cable Ports	Dual Remote Cable Ports	Dual Remote Cable Ports	Dual Remote Cable Ports	Low Profile For Mounting in Front of Scopes, Holographic or NV Sights	Low Profile For Mounting in Front of Scopes, Holographic or NV Sights
		†Doctricted	F			0 15			

[†]Restricted

^{*}Also Available in Desert Sand

Specifications subject to change without notice.

*Range may vary depending on light and/or atmospheric conditions and target reflectivity.

Visible laser range is measured for daytime. Infrared laser range is measured for night.

EOPTICS SPECIFICATIONS

		OTAL-A 19241†	OTAL-C 19215	OTAL-C IR 19217	MBS-AA Borelight 3170635
~	VISIBLE RED OR GREEN	Green - Class 3B	Red - Class 3R	-	Red - Class 3R
ASER TYPE	IR LASER POINTER	-	-	Class 1	-
SF:	IR ILLUMINATOR	-	-	-	-
~-	VISBILE RED / GREEN LASER	<50 mW	<5 mW	-	<5 mW
₩2 :	IR LASER POINTER	-	-	<0.7 mW	-
POWER	IR ILLUMINATOR	-	-	-	-
-0	WHITE LIGHT	-	-	-	-
Ŧ	_				
WAVELENGTH	VISIBLE RED LASER	-	640 nm +/-3%	-	640 nm +/-3%
9	VISIBLE GREEN LASER	525 nm +/-3%	-	-	-
×.	IR LASER POINTER	-	-	840 nm +/- 3%	-
WA.	IR ILLUMINATOR	-	-	840 nm +/- 3%	•
щ	VISIBLE LASER	<0.8 mRad	<0.8 mRad		<0.8 mRad
ΣÄ	IR LASER POINTER	-	-	<0.8 mRad	
BEAM	IR ILLUMINATOR	-	-	-	-
8≥	WHITE LIGHT	-	-	-	-
<u>.</u> *	•				
	VISIBLE RED LASER	•	25 m	-	25 m
ዘ	VISIBLE GREEN LASER	100 m	-	-	-
<u> S </u>	IR LASER POINTER	-	-	1400 m	-
≦ :	IR ILLUMINATOR	-	-	-	-
BEAM RANGE/VISIBILITY* DIVERGENCE	WHITE LIGHT	-	-	-	-
2					
	TEMPERATURE	+4° C to +65° C	-40° C to +65° C	-40° C to +65° C	-40° C to +65° C
	BATTERY	CR123A	AA	AA	AA
	BATTERY LIFE (MODE DEPENDENT)	>3 Hours	>3 Hours	>5 Hours	>8 Hours
	MATERIAL	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum
	COLOR	Black	Black	Black	Black
	WEIGHT (WITH BATTERY) (OZ.)	6	5.6	5.6	5.4
	DIMENSIONS (IN.) (LxWxH)	3.5 x 2.75 x 1.59	2.8 x 1.4 x .75	2.8 x 1.4 x .75	9.25 (L)
	WATERPROOF	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 3 m
	MOUNT	QD HT Mount	Attached to A-Frame Front Sight	QD HT Mount	Stainless Steel Bore Rod (2)
	WINDAGE & ELEVATION ADJUSTMENT	Yes	Yes	Yes	Yes
	ACTIVATION SWITCH	Integrated Push Button(s) and Remote Cable	Integrated Push Button(s) and Remote Cable	Integrated Push Button(s) and Remote Cable	Rotary Switch
	REMOTE CABLE PRESSURE PAD	Yes	Yes	Yes	•
	SPECIAL FEATURES	Features Modulation Mode with 8 strobing laser pulses	Low Profile For Mounting in Front of Scopes, Holographic or NV Sights	Low Profile For Mounting in Front of Scopes, Holographic or NV Sights	Supplied With Arbors For Most Rifle, Carbine, Submachine Gun and Pistol Calibers

†Restricted

LASERS BEACONS BEACONS

		NOVA A091112-100 [†] A091112-200 [‡]	STAR BEACON A091015-001-1' A091015-001-2"	AIRFIELD BEACON A1500-100KIT ^{x10} 100723-500 ¹	MCID A1700-100 [‡] A1700-400 [†]	HMB 300396
	BATTERIES	(2) CR 123A	(6) CR 123A	(4) CR 123A	(3) CR 123A	(1) CR 123A
	DIMENSIONS	3.5 x 2.3 x 1.0 in.	3.0 x 2.4 x 1.0 in.	3.7 x 3.2 x 1.9 in.	4.9 x 2.1 x 1.1 in.	2.3 x 2.1 x 0.5 in.
TURES	WEIGHT	120 grams / 4.2 ounces	124 grams / 4.3 ounces	500 grams / 17.6 ounces	235 grams / 8.3 ounces	-
PHYSCIAL FEATURES	NUMBER OF EMITTERS	1 NIR 4 MWIR 1 VIS or SWIR	14 MWIR	3 White 3 Red 3 NIR	3 NIR 8 MWIR 3 SWIR	1 VIS 1 NIR 1 SWIR
PHYSC	RUN TIME	NIR ~ 30 hours Thermal ~10-12 hours NIR and Thermal ~ 8 hours White Light ~ 4 hours	5 hours	3 to 19 hours	4.5 to 14 hours	
	•					
	WAVELENGTH	8-12 μm, 880 nm, 3-5 μm 1550 nm	3-5 µm	625 nm, 850 nm	880 nm, 3-5 μm, 1550 nm	850 nm, 1550 nm
OPTICAL PERFORMANCE	OPTICAL DIVERGENCE	SWIR - 80° NIR - 132° FWHM Thermal - 100° FWHM (horizontal and vertical) Visible - 115° FWHM	Greater than hemispherical: 360° azimuth x 200° elevation	hemispherical	Greater than hemispherical: 360° azimuth x 200° elevation	-
ICAL PEF	DETECTABLE RANGE	Nightime: MWIR 1-3m, NIR 1-3m, SWIR: 2-4m, VIS: 1-3m	Nightime: MWIR 3-8m	White: 10-12 km NIR: 12-15 km	8 NM	10 km
OPT	MAXIMUM LUMINOUS FLUX	(White) - 80 lumens		(White) - 80 lumens	(White) - 80 lumens	-
•	•					
	OPERATING TEMPERATURE RANGE	-30°C (-22°F) to 52°C (126°F	-30°C (-22°F) to 60°C (140°F	-30°C (-22°F) to 52°C (126°F)	-30°C (-22°F) to 60°C (140°F)	-
ENVIRONMENTAL	STORAGE TEMPERATURE RANGE	-40°C (-40°F) to 65°C (149°F)	-40°C (-40°F) to 65°C (149°F)	-40°C (-40°F) to 65°C (149°F)	-40°C (-40°F) to 80°C (176°F)	-
NVIRO	SUBMERSIBLE / WATERPROOF	3 m for 2 hours	IP65 Rating	IP67 Rating	5 m for 30 min.	-

†VIS NIR MWIR

*NIR MWIR SWIR

*MWIR

** SWIR

x10Backpack kit of 10

Specifications subject to change without notice.

*Range may vary depending on light and/or atmospheric conditions and target reflectivity. Visible laser range is measured for daytime. Infrared laser range is measured for night.

¹Individual

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BATTLE LIGHTS & ILLUMINATORS

	Mk3 60455	Mk4 60460*	Mk5 76000	SPIR 60480
LIGHT OUTPUT	IR Illuminator	-	-	IR Illuminator
POWER OUTPUT (HIGH / LOW)	<600 mW / <150 mW		-	<600 mW / <300 mW
WAVELENGTH	850 nm	-	-	850 nm
FDA CLASS	Eye-Safe	-	-	Eye-Safe
BEAM DIVERGENCE	8°	-	-	2° to 30°
RANGE (HIGH POWER)	200 m	-	-	1,000 m
LAMP	White Light LED	White Light LED	White Light LED	-
POWER OUTPUT (HIGH / LOW)	500 Lumens	500 Lumens	800 Lumens	-
BEAM DIVERGENCE	10°	10°	10°	
RANGE (HIGH POWER) RANGE MAY VARY DEPENDING ON LIGHT CONDITIONS.	250 m	300 m 400 m		-
REFLECTION LENS	Total Internal Reflection Lens	Total Internal Reflection Lens	High Output Deep Dish	
BATTERY	CR123A (2)	CR123A (2)	CR123A (2)	CR123A (2)
BATTERY LIFE	>1.25 Hours	>1.25 Hours	>1 Hour	>2 Hours
MATERIAL	Aircraft Aluminum	Aircraft Aluminum	Aircraft Aluminum	High-Impact Polymer
COLOR	Black	Black	Black	Black
WEIGHT (WITH BATTERY & MOUNT) (OZ.)	8	4.9	6.1	6.5
DIMENSIONS (IN.) (LxWxH)	3.97 x 2.18 x 1.73	6.04 (L)	6.44 (L)	6.75 x 1.55 x 1.95
TEMPERATURE RANGE	-40° C to +65° C	-40° C to +65° C	-40° C to +65° C	-40° C to +65° C
WATERPROOF	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m	Submersible to 5 m
MOUNT	MIL-STD-1913/ Picatinny rail	MIL-STD-1913/ Picatinny rail	MIL-STD-1913/ Picatinny rail	MIL-STD-1913/ Picatinny rail
ACTIVATION SWITCH	Integrated Push Button	Integrated Push Button	Integrated Push Button	Integrated Push Button
REMOTE CABLE PRESSURE PAD	Included	Included	Optional	Included
LOW BATTERY INDICATOR	Yes	-	-	
SPECIAL FEATURES	Instantly Switch Between White Light Illumination (With or Without Strobe) or IR Illuminator	Comes with 1913 Mount, Dual- Purpose Tailcap and Remote Pressure Pad / Optional Y-Cable Connects Mk4 to DBAL-A3 Laser	Handheld or Weapon- Mounted with Optional Accessories	Weapon Mount Included

*Available in Desert Sand

Specifications subject to change without notice.

*Range may vary depending on light and/or atmospheric conditions and target reflectivity. Visible laser range is measured for daytime. Infrared laser range is measured for night.

	TOR Fusion 300389/300390	TOR Fusion IR 300443	TOR Torch 300391	TOR Mini 300387/300388	TOR Mini IR 300442
VISIBLE RED/GREEN LASER	Green - Class 3R Red - Class 3R	-	-	Green - Class 3R / Red - Class 3R	-
LASER POINTER	-	Class 3R	-	-	Class 3R
VISIBLE RED/GREEN LASER	<5 mW	-	-	<5 mW	-
IR LASER POINTER	-	<5 mW	-	-	<5 mW
WHITE LIGHT	500 lumen	500 lumen	500 lumen	-	-
DIMENSIONS	2.7 x 1.4 x 1.6 in.	2.7 x 1.4 x 1.6 in.	2.7 x 1.4 x 1.6 in.	2.1 x 1.3 x 1.2 in.	2.1 x 1.3 x 1.2 in.
BATTERY	CR123A	CR123A	CR123A	1/3N	1/3N

CUSTOMER SERVICE

YOUR STEINER EOPTICS ARE BACKED BY A COMMITMENT TO OPTIMUM PERFORMANCE AND YOUR COMPLETE SATISFACTION. ANY QUESTIONS OR CONCERNS WILL BE QUICKLY ADDRESSED BY ONE OF OUR EXPERT SALES REPRESENTATIVES. PLEASE CONTACT US DIRECTLY IF YOU HAVE A QUESTION OR SERVICE NEED:

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2 YEAR WARRANTY



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