

DBAL - A² DUAL BEAM AIMING LASER-ADVANCED HIGH POWER IR LASER & HIGH POWER IR ILLUMINATOR

RESTRICTED TO U.S. LE / MILITARY ONLY. (AN/PEQ-15A) This system is designed for use in daylight or low light operations (Visible) as well as night time operations (NVD). The system emits a highly collimated beam of IR light for precise aiming of the weapon and a separate IR ILLUM for illumination of the target area. The IR Illuminator is equipped with an adjustable bezel to vary the size of the illumination beam based on the size and distance of the target. The visible pointer and IR pointer are coaligned. The visible pointer can be sued to boresight the device without the requirement of a NVD and will simultaneously boresight the IR pointer.



Product Features:

- NSN #5855-01-535-6166
- Rugged aerospace aluminum housing, MIL-SPEC Type III hardcoat anodized.
- Hi and Lo power modes of laser operation.
- Instantly switch between laser functions:
 - Visible Pointer only
 - IR Pointer only
 - IR Illuminator only
 - IR Pointer & IR Illuminator
- Meets MIL-STD-810G for adverse environmental conditions and explosive atmosphere
- ESD compliant for air worthiness
- Activation / low battery indicator light
- Single adjustment mechanism for both visible and IR pointers
- Remote cable pressure pad switch and integrated momentary activation switch:
 - Single tab enables momentary activation
 - Double tap instantly activates the laser in continuous ON mode for 5 minutes or until pressed again
- Fully adjustable windage and elevation
- Optional optical diffuser, neutral density filters and right angle remote cable available
- Manufactured in the U.S.A.

Part #s & Specifications:

Part #: MVL-40090	With Visible Red Pointer (635nm) (<5mW), Infrared Pointer (835nm) (<50mW) and Infrared Pointer Illuminator (835nm) (<50mW)
Part #: MVL-40173	With Visible Green Pointer (532nm) (<50mW), Infrared Pointer (835nm) (<50mW) and Infrared Pointer/Illuminator (835nm) (<50mW)
Part # MVL-40172	With Visible Green Pointer (532nm) (<30mW), Infrared Pointer (835nm) (<50mW) and Infrared Pointer/Illuminator (835nm) (<50mW)
PART #: MVL-40173	DBAL-A2 Visible Green Pointer (532nm)(<50mW), IR Pointer (835nm)(<50mW) & IR Pointer/Illuminator (835nm)(<50mW)



MOROVISION NIGHT VISION, INC.
23382 Mill Creek Drive, Suite D-115
Laguna Hills, CA 92653

By Phone: Toll Free 1-800-424-8222 or 949-581-9988
By Fax: 949-581-1133
Email: info@morovision.com
Website: <http://www.morovision.com>

EXPORT NOTICE:

Export of this product is regulated by the U.S. Department of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130.

This data sheet is approved for unlimited release. Specifications subject to change without notice.

MOROVISION NIGHT VISION

LIGHT THE NIGHT™

DBAL-A² Specifications (Subject to change without notice)

Material	Anodized aircraft aluminum 6061T-6
Weight w/battery	8.2 ounces /232 grams
Size	L 3.4" x W 2.9" x H 1.9" / L 8.5cm x W 7.4cm x H 4.8cm
Environment	Waterproof to 3 meters
Battery	One 3-volt 123A Lithium
Battery Life	Up to 5 hours continuous
Warranty	Limited One (1) Year
Supplied with	Quick Release mount
	Pattern Generators (NSN# 1240-01-537-0496)
	Battery
	7" remote calbe pressure pad switch
	Nylon pouch
Optional Items	Optical diffuser, neutral density filter, subminiature red dot sight, MIL-SPEC 1913 top rail, flip up front sight.

INFRARED POINTERS

OUTPUT POWER (Hi / Lo)	WAVELENGTH	CLASS	BEAM DIVERGENCE	RANGE
<1mW (available on request)	835nm	IIIb	0.3 mrad	600 meters
<5mW/<1mW	835nm	IIIb	0.3 mrad	600 meters
<50mW/<1mW	835nm	IIIb	0.3 mrad	2000 meters

INFRARED ILLUMINATORS

<50mW/<1mW	835nm	IIIb	0.5 – 75 mrad	2000 meters
<150mW/<5mW	835nm	IIIb	0.5 – 75 mrad	5000 meters

VISIBLE POINTERS

TYPE	OUTPUT POWER (Hi/Lo)	WAVELENGTH	CLASS	BEAM DIVERGENCE	RANGE (Night / Day)
Red	<5mW/<1mW	635nm	IIIa	0.3 mrad	500m / 30m
Red	<65mW/<5mW	642nm	IIIb	0.5 mrad	2000m / 30m
Green	<5mW / <1mW	532nm	IIIa	0.5 mrad	1500m /50m
Green	<30mW / <5mW	532nm	IIIb	0.5 mrad	2500m / 113m
Green	<50mW / <5mW	532nm	IIIb	0.5 mrad	3500m / 160m
Green	<200mW / <5mW	532nm	IIIb	0.5 mrad	4500m / 200m

SALE OF LASER PRODUCTS:

The sale of high power Visible and Infrared laser products (Class IIIb) are restricted by the FDA to:

- Department of Defense
- Law Enforcement Agencies
- Federal Agencies
- Qualified Agents



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