

APPLIED INNOVATIVE TECHNOLOGIES, INC.

Developing useful and unique products that have lasting performance

PICTURE

NightStar® Magnetic Force Flashlight



Key Features

- High Brightness White Light LED
- Superior Beam Quality
- Magnetic Charging System
- Heavy-duty Energy Storage Cell
- High Impact Strength, Lightweight Housing
- Waterproof, Corrosion Proof
- Luminescent Switch
- Floats with LED in Upright Position

Hi-Tech Clear NightStar
UPC# 81034600 SKU# 003
NSN# 6230-01494-0603

The ideal flashlight for emergency and disaster preparedness kits

Proven reliability in extreme conditions around the world

Backed by a 5-year warranty



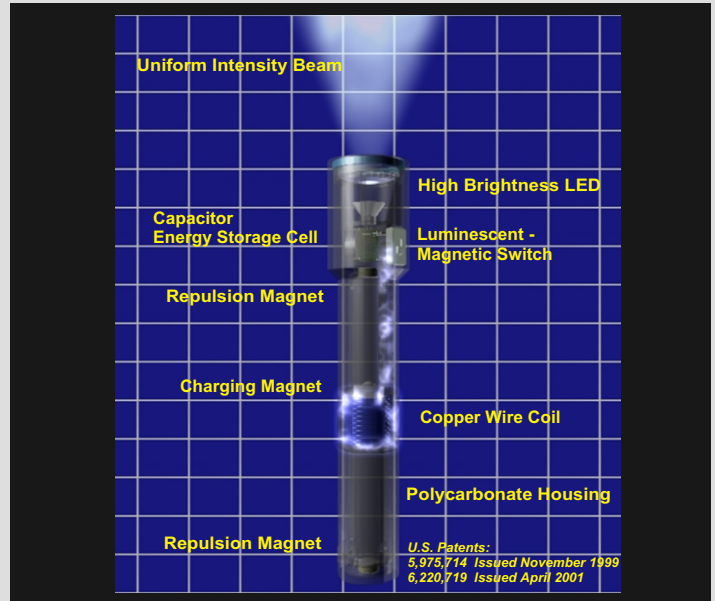
Stealth Black NightStar
UPC# 81034600 SKU# 001
NSN# 6230-01494-0286

- Stealth Black available with the standard 4000 mcd White Light LED
- or 14,000 mcd Green LED. Ideal for use with night vision equipment!
- or 10,000 mcd Red LED. Ideal for hunters, photographers & astronomers!

Marine Yellow NightStar
UPC# 81034600 SKU# 002
NSN# 6230-01494-0585



DESCRIPTION



With only one moving part, *NightStar* transforms motion into light. Simply shaking *NightStar* for 30 seconds provides more than 20 minutes of excellent illumination. When shaken, a high strength magnet generates electrical energy as it passes through a wire coil. Magnets oriented to repel the charging magnet are mounted at both ends of the flashlight. *NightStar's* patented Mag-Lev recoil system smoothly rebounds the charging magnet back through the coil, efficiently transforming motion into electrical energy. The energy generated is stored in a capacitor. Superior to a battery, the capacitor will never corrode, can recharge several hundred thousand times and will power the LED even under extreme hot and cold temperatures. Equally impressive, the LED used in *NightStar* is practically unbreakable and has a rated lifetime of tens of thousands of hours. The full spectrum light from the LED is projected into a uniform beam by a specially designed lens and reflector. *NightStar* also has a unique magnetic switch, which is reliable, watertight and non-sparking. In addition, the luminescent switch will glow all night after only minutes of exposure to room or sunlight, allowing *NightStar* to be easily located and operated in dark environments. *NightStar's* state of the art components are contained within a waterproof, corrosion proof and virtually indestructible polycarbonate housing, ensuring that even after years of abuse and neglect, light is there when you need it most. When ordinary flashlights fade away, *NightStar* will guide the way!!

TECHNICAL DETAILS

Hazardous Class 1 Gas Certifications

Meets all test criteria for MIL-STD-810F, Method 511.4: Military Standard Reliability Program. Gas Mixtures tested: Acetylene (Group A), Hydrogen (Group B), Ethylene (Group C), Hexane (Group D), Natural Gas (Group D), and Aviation AV/ Gas 100 / 130

[Tests Performed by Aero Nav Laboratories]

Submersion

Operational at an ocean depth of 2210-ft (674m). [Equivalent pressure crush point: 960 PSI]

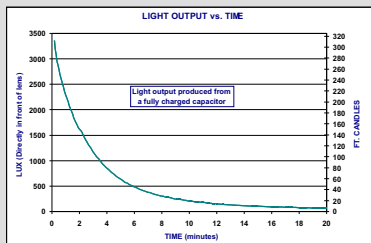
[Tests Performed by Hauser Laboratories]

Corrosion Resistance

Operational after 3 days immersion in solutions of salt water, isopropyl alcohol, ammonia, phosphoric acid*, acetic acid*, drain cleaner*, Ajax*, motor oil and diesel fuel (* 10% solutions).

[Tests Performed by Hauser Laboratories]

Light Output



Smoke Penetration:

Smoke Type	%Transmission @ 4ft.	@ 8ft.
Paper	36.7	14.4
Leaves	56.7	30.4
Rubber Bands	35.3	19.6

[Tests Performed by Hauser Laboratories]

Weight / Mass / Length

11 ounces / 308 grams / 10" (25.4cm)

Electromagnetic Compatibility

Conforms to Council Directive 89/336/EC. Measured RF levels are far below limits for all frequencies.

[Tests Performed by Labein Laboratories]

Temperature

Storage: -50F (-45C) to 140F (60C)
Operation: -40F (-40C) to 130F (55C)

[Tests Performed by Hauser Laboratories]

Sound Emission

Overall A-Weighted Sound Power Level: 63.6 dB

Nof of units	Distance (ft.)	1	10	100	1000	10000
1		65	45	25	5	0
12 (squad)		76	56	36	16	0
36 (platoon)		81	61	41	21	1
108 (company)		86	66	46	26	6

All values are A-Weighted Sound Pressure Levels and are predictions based on measured Overall A-Weighted Sound Power Levels of a single unit. For reference purposes, a pressure level of 40 is equivalent to an urban neighborhood at night far from roads. A pressure level of 20 is an empty recording studio.

[Test Performed by Johns Mansville Laboratories]

Magnetic Field Strength

Single Unit: @ 1ft. @ 2ft. @ 4ft. @ 8ft.

Axis 1	0.03	0.005	0.0005	0.00001
Axis 2	0.06	0.007	0.0005	0.00001
Axis 3	0.13	0.028	0.0040	0.00050

1 Case (packed in alternating configuration):

Axis 1	0.22	0.002	0.0001	0.00001
Axis 2	0.006	0.001	0.00000	0.00000
Axis 3	0.06	0.006	0.001	0.00001

Note: All values are in Gauss. Axis 1 is parallel to the housing, Axis 2 is perpendicular to the housing, Axis 3 is perpendicular to the end of the light. For reference purposes, a field of 0.005 G deflects a compass needle by less than 1 degree.

[Tests performed by Washington Laboratories]

COST & PROJECTIONS

Order Quantity: 20 - 1000 1001 +

Price / Unit : \$34.95 \$29.95

[Price includes shipping to continental United States. International shipping cost is based upon ship to address. MSRP is U.S. \$44.95]

Custom Labels for NightStar

Order Quantity: 20 - 500 501 - 1000 1001 +

Price / Unit : \$0.50 \$0.40 \$0.30

The setup fee on the initial order is \$100.00, which includes print setup, print production, and decal delivery to manufacturer. Reorder fee is \$50. Labels are printed on Clear 225 Vinyl with permanent adhesive. Changes to print medium and special order colors will require job specific quotation. Labels are adhered to the internal powercell of Clear NightStars

Requirements: Customer is responsible for delivery of artwork. The maximum label dimensions are 1.25" (32mm) tall by 2.25" (57mm) wide. 50% deposit with balance is due upon receipt of order. Customer takes possession of all customized product.

Accessories: NS-Holster or Wall-Mount

Order Quantity: 20 - 2500 2501 - 5000 5000+

Price / Unit : \$3.95 \$3.50 \$3.00

[Price does not include shipping and handling. MSRP is U.S. \$7.95]

Purchasing Conditions:

1. Orders shall be secured through submission of company letterhead Purchase Order faxed to 303-857-8079. Supplier does not utilize Electronic Data Interchange (EDI) system.
2. Minimum Purchase - one case (20 units). Case weight is approximately 21 pounds (11.35 kg). Case Dimensions are approximately 16.25 x 13.25 x 12.25 inches.
3. Purchase Order shall reflect whole case quantities.
4. Purchase Order shall specifically identify Buyer's "Ship To" location information.
5. Attached to Purchase Order shall be instructions identifying Buyer's specific marking and/or labeling requirements that must appear on shipping carton.
6. Price includes Freight Prepaid to Continental United States locations non-palletized. Product ships by ground transportation utilizing freight forwarder of Supplier's choosing.
7. Price for shipping to International locations is Freight Collect - FOB Fort Lupton, CO. A handling charge of US\$2 per case is assessed for Product management. Buyer shall designate preferred freight forwarder.
8. A 50 percent deposit is required on orders exceeding 500 units.
9. Product releases are based upon customer payment status with Supplier.
10. Customized product (customer specific labels) requires 50% deposit with submission of Purchase Order and full acceptance of order upon completion of Product manufacturing.
11. Until credit terms are established with Supplier, company check or wire transfer shall secure purchases (U.S. Currency only). Expenses associated with submission of funds are the responsibility of Buyer.
12. Allow lead times of 4 weeks on orders up to 500 units. Without submission of order projections by Buyer, longer lead times may be experienced.
13. To neutralize the effects of the strong magnetic field created by NightStar, product is packed so that the polarities of the individual units oppose one another. In this configuration NightStar can be safely shipped by aircraft without special labeling or handling requirements.
14. A.I.T. at its sole discretion reserves the right to modify wholesale prices.
15. This price list incorporates Applied Innovative Technologies, Inc. Standard Terms and Conditions of Sale.



NightStar's unique and eye catching packaging is space efficient and international in its presentation. The insert manual is written in 7 different languages; English, French, German, Italian, Spanish, Chinese, and Japanese.