

A-A-51110A
23 November 1990
SUPERSEDING
A-A-51110
20 December 1985

COMMERCIAL ITEM DESCRIPTION

FLASHLIGHTS, EYE EXAMINING

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for MIL-F-37768, which is cancelled.

This Commercial Item Description covers three types of disposable, eye-examining flashlights.

Salient characteristics:

All three types of flashlights shall be commercially available, diagnostic flashlights and shall be suitable for use in performing ophthalmic procedures.

The flashlights shall be disposable, self-contained, and shall consist of at least the following: a case fabricated of polyvinyl chloride, two (2) size AA alkaline batteries (ANSI designation L-40), a number 243 commercial lamp (except Type III) with miniature screw base, an on/off switch, a pocket clip, and any additional components necessary for the proper functioning of the flashlight for its intended use.

At the time of delivery of the flashlights to the government, the batteries contained in the flashlights shall be less than six months old (from their date of manufacture).

AMSC N/A

DISTRIBUTION STATEMENT A. Approved for public release;
distribution is unlimited.

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Specific characteristics by type.

Type I. The Type I flashlight shall be suitable for use as patient fixation source when conducting muscle tests of the human eye; it shall be a non-diffused, unfiltered 1 mm light source obtained by suitably shielding the lamp bulb.

Type II. The Type II flashlight shall be suitable for use in examining cornea and eyelids; it shall have a diffused, cobalt blue, spot beam. The cobalt blue light shall be formed by a cobalt blue coated bulb or a cobalt blue filter. The flashlight shall produce a beam which falls within a 4-1/2 inch diameter circle, centered at a point where projection of light axis intersects the flat surface, when mounted perpendicular to and 4 inches from a flat surface.

Type III. The Type III flashlight shall be suitable for use in examining cornea and eyelids; it shall have a pre-focused, cobalt blue, light slit. This flashlight shall contain a bulb which will draw a nominal current of 0.32 amperes at 2.5 volts and shall contain an 18 mm focal length plastic lens. The light shall produce a sharply defined cobalt blue slit beam 7/16 to 9/16 inch long when projected onto a perpendicular flat surface from a distance of 18 mm.

Shelf life. The flashlights shall have a shelf life of at least 2 years remaining when the units are shipped to the government.

Marking. The immediate package of each flashlight shall be permanently and legibly marked with the name of manufacturer and expiration date of shelf life. The outside package shall contain the legend: "STORE BETWEEN 35°F TO 46°F".

Dimensions and weight. The dimensions of the flashlight shall be approximately 6-5/8 inches long, and 5/8 inches in diameter. Weight shall be 2-1/2 ounces plus or minus 1/2 ounce.

Workmanship. The flashlights shall be free from defects which detract from their appearance or impair their serviceability.

Unit. Each (EA). One flashlight of the type specified, constitutes one unit.

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Quality Assurance Provisions.

Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

Records. Records of examinations and tests performed by or for the contractor shall be maintained by the contractor and made available to the Government upon the Government's request, at any time, or from time to time, during the performance of the contract and for a period of three years after delivery of the supplies to which such records relate.

Inspection. Inspection, as used herein, is defined as both examination (such as visual or auditory investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

Sampling for examination. Sampling for examination shall be conducted in accordance with MIL-STD-105 with an AQL of 1.5 (percent defective) and an inspection level of II. The unit of product for examination purposes shall be one eye examining flashlight of each type, as specified in this description.

Sampling for tests. Sampling for tests, including dimensional test, shall be conducted in accordance with MIL-STD-105, with an AQL of 2.5 (percent defective) and inspection level of S-1. The unit of product for tests purposes shall be one flashlight.

Tests. Tests shall be conducted to determine compliance with specification requirements. Where feasible, the same sample shall be used for the determination of two or more test characteristics. Tests shall include but shall not be limited to the following:

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Spot beam test. The bulb end of the flashlight shall be supported perpendicular to, and 4 plus or minus 1/4 inch above a horizontal surface. The spot shall have a maximum diameter of 4-1/2 inches, centered at a point where the projection of the bulb axis intersects the horizontal surface.

Slit beam test. The bulb end of the flashlight shall be supported perpendicular to, and 1-3/8 plus or minus 1/8 inches above a horizontal plane. The slit beam shall meet the requirements specified for Type III.

Operational test. The flashlight switch shall be actuated for three on-off cycles. The flashlight shall illuminate immediately without any jiggling of the switch when tested.

Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within the tolerances specified using conversion tables contained in the latest revision of Federal Standard 376, and all other requirements of this document are met.

If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

The contracting officer has the option of accepting or rejecting the product.

Contractor certification. The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producers' own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

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Regulatory requirements.

Federal Food, Drug and Cosmetic Act. If the product covered by this document has been determined by the U.S. Food and Drug Administration to be under its jurisdiction, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of the Federal Food, Drug and Cosmetic Act, as amended, and regulations promulgated thereunder. In addition, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of all other applicable Federal, State, and local statutes, ordinances, and regulations.

Recovered materials. The offeror/contractor is encouraged to use recovered material in accordance with Federal Acquisition Regulation Subpart 23.4 to the maximum extent practical.

Preservation, packaging, packing, labeling, and marking. Unless otherwise specified, preservation, packaging, and packing shall be to a degree of protection to preclude damage to containers and/or contents thereof under normal shipping conditions, handling, etc., involving shipment from the supply source to the receiving activity, plus reshipment from receiving activity, and shall conform to applicable carrier's rules and regulations. Intermediate and exterior package quantities and labeling and marking shall be as specified in the contract and/or order.

Ordering data. Intermediate/exterior package quantities, labeling, and marking must be specified in the contract and/or order.

NOTE: The following National Stock Numbers are covered by this document:

6515-00-080-0004	(Type I)
6515-00-185-9482	(Type II)
6515-00-185-9483	(Type III)

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MILITARY INTERESTS:

Custodians:

Army - MD
Navy - MS
Air Force - 03

PREPARING ACTIVITY:

DoD - MB

Agent:

DLA-DM

CIVIL AGENCY COORDINATING ACTIVITIES:

VA-OSS
USPHS
FDA-MPQAS

Project No. 6515-4223

Location: CID/FLASHLIGHT/H1A-30