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AEROSPACE STANDARD

SAE AS4156 | REV. B

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Superseded by ARP4156

Color-Coded Incandescent Flange Base T-1 and T-1 3/4 Lamps for Voltage Identification

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature. This document has been superseded by ARP4156 due to the material herein not being significant to be a current Aerospace Standard.

STABILIZED NOTICE

This document has been declared "Stabilized" by the SAE A-20A Crew Station Lighting Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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FOREWORD

There are a number of incandescent flange base miniature lamps that have identical appearance and produce approximately the same light output, but are designed at different voltages, primarily, 5.0, 14.0, 28.0, and 32.0 volts. In several applications, a 5.0 volt lamp installed in place of a 28.0 volt lamp can cause failures of electronic components due to its lower impedance and, consequently, higher current. Because these lamps are identical in appearance and so small as to make identification by markings almost impossible, this document is intended to provide a means of identification of voltage differences.

1. SCOPE:

   This document defines the method for voltage identification by the use of color-coded insulators at the base of the lamp. Table 1 shows the design volts and corresponding insulator colors.

   The part numbers shown are for example purposes only.

   Insulator colors are to be easily distinguishable as green, yellow, red, and white. Additional colors may be added by a revision process as required.

2. REFERENCES:

   There are no referenced publications specified herein.

3. RECOMMENDATIONS:

   For aerospace applications, lamps should be ordered by the part numbers as shown in the examples in Table 1 so that replacement lamps can be easily identified as to voltage.