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|----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|
|  | <b>SURFACE<br/>VEHICLE<br/>RECOMMENDED<br/>PRACTICE</b> | <b>SAE</b> <b>J3003 FEB2012</b>                        |
|                                                                                  |                                                         | Issued                      2012-02<br>Supersedes J760 |
| Dimensional Specifications for General Service Sealed Lighting Units             |                                                         |                                                        |

## RATIONALE

This document is being issued for the purposes of continued usage of this popular size sealed beam lamp.

### 1. SCOPE

This SAE Recommended Practice provides dimensional specifications for general service sealed lighting units, intended for use in such applications as motorcycle headlamps, military headlamps, industrial machinery headlamps, fog lamps, spot lamps, etc. See Figures 1 and 2 and Tables 1 and 2.

### 2. REFERENCES

There are no referenced publications specified herein.

### 3. NOTES

#### 3.1 Marginal Indicia

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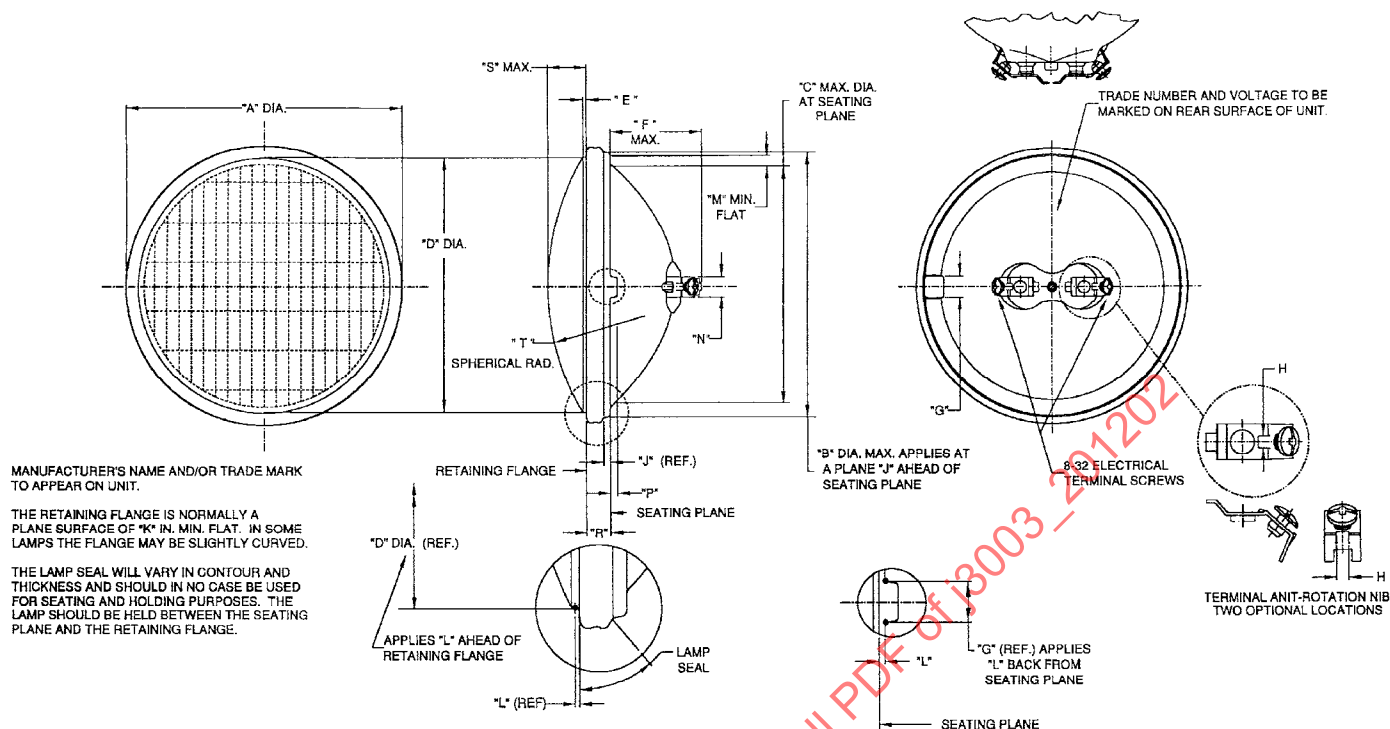


FIGURE 1 - DIMENSIONS OF 146 mm (5-3/4 in) DIAMETER SEALED LIGHTING UNIT

TABLE 1 - DIMENSIONS OF 146 MM (5-3/4 IN) DIAMETER SEALED LIGHTING UNIT

| Letter | mm                                      | in                                        | Letter | mm                                     | in                                        |
|--------|-----------------------------------------|-------------------------------------------|--------|----------------------------------------|-------------------------------------------|
| A      | 144.8 <sup>+0.0</sup> <sub>-2.5</sub>   | 5.70 <sup>+0.00</sup> <sub>-0.10</sub>    | M      | 3.18                                   | 0.125                                     |
| B      | 139.06                                  | 5.475                                     | N      | 9.52 ± 0.25                            | 0.375 ± 0.010                             |
| C      | 129.54                                  | 5.100                                     | P      | 3.43 <sup>+0.76</sup> <sub>-0.00</sub> | 0.135 <sup>+0.030</sup> <sub>-0.000</sub> |
| D      | 133.7 <sup>+0.00</sup> <sub>-0.76</sub> | 5.265 <sup>+0.000</sup> <sub>-0.030</sub> | R      | 13.5 ± 1.0                             | 0.53 ± 0.04                               |
| E      | 2.00 <sup>+1.50</sup> <sub>-0.00</sub>  | 0.078 <sup>+0.062</sup> <sub>-0.000</sub> | S      | 23.36                                  | 0.92                                      |
| F      | 63.5                                    | 2.50                                      | T      | 127.0 ± 3.0                            | 5.00 ± 1.2                                |
| G      | 11.17 <sup>+0.00/-0.63</sup>            | 0.440 <sup>+0.000</sup> <sub>-0.025</sub> |        |                                        |                                           |
| H      | 3.17 ± 0.25                             | 0.125 ± 0.010                             |        |                                        |                                           |
| J      | 2.79                                    | 1.10                                      |        |                                        |                                           |
| K      | 1.57                                    | 0.062                                     |        |                                        |                                           |
| L      | 0.76                                    | 0.030                                     |        |                                        |                                           |