

	SURFACE VEHICLE RECOMMENDED PRACTICE		SAE J3003 SEP2012
	Issued	2012-02	
	Revised	2012-09	
Supersedes J3003 FEB2012			
Dimensional Specifications for General Service Sealed Lighting Units			

RATIONALE

This document has been issued to replace SAE J760 which had been cancelled and due to the continued usage of these popular sealed units.

1. SCOPE

This SAE Recommended Practice provides dimensional specifications for the 114mm (4½ inch) and 146mm (5¾ inch) 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

A change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions, not editorial changes, have been made to the previous issue of this document. An (R) symbol to the left of the document title indicates a complete revision of the document, including technical revisions. Change bars and (R) are not used in original publications, nor in documents that contain editorial changes only.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2012 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
 Tel: +1 724-776-4970 (outside USA)
 Fax: 724-776-0790
 Email: CustomerService@sae.org
 SAE WEB ADDRESS: <http://www.sae.org>

**SAE values your input. To provide feedback
 on this Technical Report, please visit
http://www.sae.org/technical/standards/J3003_201209**

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	$144.8^{+0.0}_{-2.5}$	$5.70^{+0.00}_{-0.10}$	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	$3.43^{+0.76}_{-0.00}$	$0.135^{+0.030}_{-0.000}$
D	$133.7^{+0.00}_{-0.76}$	$5.265^{+0.000}_{-0.030}$	R	13.5 ± 1.0	0.53 ± 0.04
E	$2.00^{+1.50}_{-0.00}$	$0.078^{+0.062}_{-0.000}$	S	23.36	0.92
F	63.5	2.50	T	127.0 ± 3.0	5.00 ± 1.2
G	$11.17^{+0.00/-0.63}$	$0.440^{+0.000}_{-0.025}$			
H	3.17 ± 0.25	0.125 ± 0.010			
J	2.79	1.10			
K	1.57	0.062			
L	0.76	0.030			