

# **SBOL Light Engine and Power Supply PCB Parts Replacement Guide**

## **1.0 Overview**

Since the inception of the Steady Burning Obstruction light LED (SBOL) LEDs have evolved such that lumen performance has greatly increased. This has caused LED manufacturers to change LEDs and their mounting platforms along with drive current reductions; many of these LEDs have gone obsolete and are no longer available. In addition, there has been changes in FAA specifications with respect to LED lights. Therefore, ADB has had to evolve the SBOL accordingly.

This document will define what LED light engines and associated power supplies need to be ordered as spares to replace the LED light engines and power supplies originally shipped with the SBOL if they need replacing.

This document includes SBOLs which are part of an L-806 or L-807 wind cone.

1. In some cases either replacing the original LED light engine OR the original power supply will suffice.
2. In some cases BOTH LED light engine AND power supply will need to be replaced even though only one of them is non-functional.

Below is detailed guidance on how to replace the parts.

## **2.0 Replacement Guidance**

**Table 1.0: SBOL Light Engine Replacement Guidance**

<b>If you have to replace LED light engine part number:</b>	<b>Order LED light engine part number:</b>	<b>Also order and replace LED Transformer/Power Supply PCB with:</b>
44A6369/01	44A7395	44A6477/1/0701
44A6369/06	44A7395	44A6477/1/0701
44A6331/02	44A7395	44A6477/1/0701
44A6331/06	44A7395	44A6477/1/0701
44A7163/020W	44A7395/WC	( n/a)
44A7163/221S	44A7395/AK	44A6477/1/0701
44A7163/321S	44A7395	44A6477/1/0701
44A7395	44A7395	No need to replace power PCB if it is OK
44A7395/AK	44A7395/AK	No need to replace power PCB if it is OK
44A7395/WC	44A7395/WC	No need to replace power PCB if it is OK

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**Table 2.0: SBOL Transformer/Power Supply PCB Replacement Guidance**

If you have to replace LED Transformer/Power Supply PCB number:	Replacement Guidance	
	Order LED Transformer/Power Supply PCB number:	Notes
44A6366	44A6366	There is no need to replace light engine(s) if it is OK
44A6366/60	44A6366/60	There is no need to replace light engine(s) if it is OK
44A6744/1/1400	44A6744/1/1400	There is no need to replace light engine(s) if it is OK
44A6744/1/1500	44A6744/1/1400	There is no need to replace light engine(s) if it is OK
44A6574	44A6574	There is no need to replace light engine(s) if it is OK
44A6598	44A6598	There is no need to replace light engine(s) if it is OK
44A6908	44A6908	There is no need to replace light engine(s) if it is OK
44A6744/1/0700	44A6744/1/0700	There is no need to replace light engine(s) if it is OK
44A6744/1/0701	44A6744/1/0701	There is no need to replace light engine(s) if it is OK