

Junction Box Enhancement for all SX-16 Nightsun[®] Systems

Spectrolab is pleased to announce an enhancement to all new Junction Boxes with part numbers 020706 and 032430 currently used on SX-16 Nightsun[®] systems.

Research into cold weather starting of the SX-16 Nightsun[®] has allowed us to provide an enhancement to these configurations of Junction Boxes by replacing the 3400 μ F Capacitor with a 6500 μ F Capacitor. This nearly doubles the supply of current to the lamp as the higher capacitance value allows for an increase of energy storage during the charge cycle. This enhancement will allow for more reliable starting in colder weather and even as the lamp assembly ages. Older lamps require more energy to ignite as they age due to electrode burn-back, so this extra capacitance will thus prolong lamp life in most cases.

The capacitor allows for removal of the DC-DC Converter in the 032430 Junction Box and also makes the Booster Assembly within 020706 Junction Box a non-required part. This change does make for a reliable ignition circuit with fewer electronics.

We are currently providing the new build units with this 6500 μ F Capacitor and we can also offer the upgrade to your existing Junction Box for a small percentage of the price on a new unit.

Please do not hesitate to contact Spectrolab's Illumination Products Customer Service Department by phone at (800) 936-4888 or email at DL-SYLCustomerservice@boeing.com with any questions that you may have.