

CASE STUDY



Client

PHILIPS

Philips Lighting

Problem

Excessive damage occurring to outdoor lighting products during transportation, causing the damage rate to be close to 8%.

Solution

One of the more critical packaging problems Philips Lighting was facing was the damage being done to the largest of their outdoor lighting poles during transportation. The damage rate was close to 8% which was alarming considering the cost amount of money and time invested in the product itself, the manpower it took to manufacture and pack, as well as the cost of transportation and packaging materials lost.

PSI was challenged to provide a solution to the problem and after a few attempts, we developed a custom air sleeve that fit over the poles prior to loading them on the trucks. This proved to be very effective.

As the prototype showed great success, we then took it a step further by refining the process. We added UV inhibitors for long lasting outdoor storage, added a perforation system to their production line that allows gases to escape along with water evaporation, and built an in line sealing system to close the ends of the structure.

The damage rate has dropped to under .05% making the cost savings across the entire production process a tremendous one.