

## Material Handling Arc Light Standard (Model 777)

### Purpose

The purpose of this standard is to define proper usage and minimum performance levels necessary for a material handling arc light to be effective. If product is not mounted as instructed image quality and performance cannot be insured.

### Background

Forklift accidents cause more than 60 deaths and 35,000 serious injuries in the U.S. each year - costing business owners over \$100 million annually. Audible alarms lose their effectiveness over time as workers become used to them and are also less effective in loud environments where they may not be heard. Visual safety devices (such as strobe lights) have been found to be more effective than audible devices, but their effectiveness is severely limited in environments with obstructed views or blind corners. J.W. Speaker Corporation takes workplace safety very seriously, so we pioneered an innovative new safety device designed to increase visibility and prevent accidents.

### The Material Handling Arc Light

J.W. Speaker's material handling arc lights project an intense "arc" pattern on the ground around a forklift. This serves as a visual "keep out" zone around the forklift. J.W. Speaker's material handling arc lights are available in red, blue, and green because studies have shown that they are the most noticeable colors to the human eye. The material handling arc light can be used in conjunction with other audible and visual safety devices, so it is simply an easy add-on to any piece of material handling equipment.

### Proper Usage and Minimum Performance Standards

Recommended Color(s): Red, Blue or Green

Recommended Placement: Front and Rear of the vehicle

Recommended Beam Pattern Intensity: 250+ Lux (on the ground)

Recommended Mounting Height: 6' 8" - 8' 4" (2.0m - 2.5m)

Recommended Beam Pattern Distance (from Vehicle): 2' 6" - 4' (0.75m - 1.25m)



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