

NEW from **shat-r-shield**

Plastic-Coated, Shatter-Resistant HID Lamps

Shat-R-Shield, the creator of the first and best safety-coated lamps, now offers plastic-coated, shatter-resistant metal halide, high pressure sodium and mercury vapor lamps. These lamps are designed to be safely used in open fixtures and are excellent for lighting large areas. HID lamps are often used in streetlighting, floodlighting, industrial high bay, shopping malls, parks, and other commercial lighting

Shat-R-Shield also offers a complete line of plastic-coated, shatter-resistant fluorescent, incandescent and heat lamps to solve your company's needs.

Many industries, such as food processors, are required by law to use protective lighting. Millions of Shat-R-Shield lamps are performing for those needs and other industries seeking the ultimate in cost-efficient worksite protection.

Shat-R-Shield lamps
have been tested and
certified by:

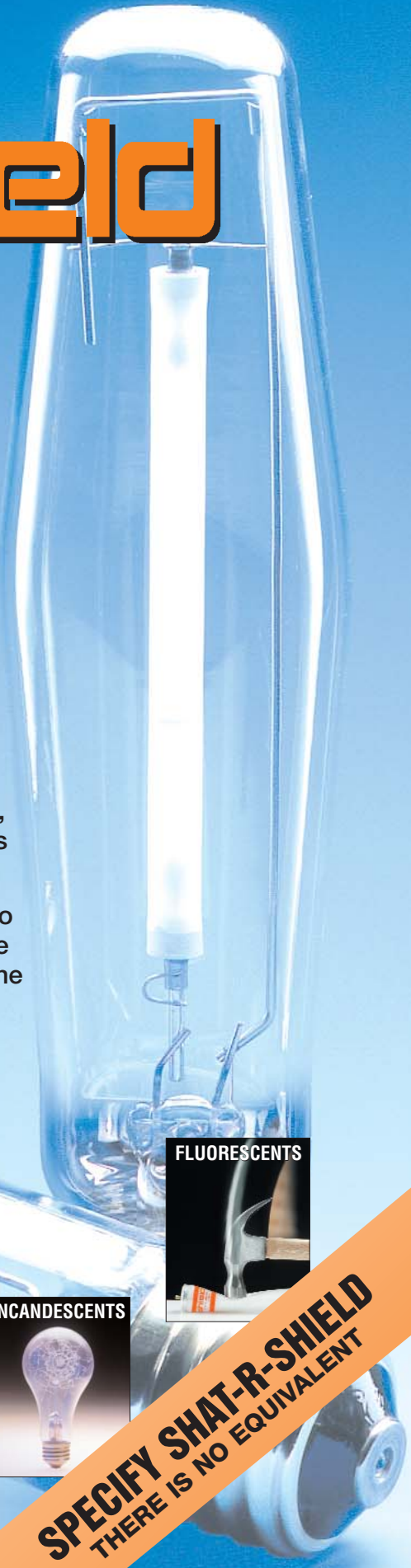


Available through:

FLUORESCENTS

INCANDESCENTS

SPECIFY SHAT-R-SHIELD
THERE IS NO EQUIVALENT



Benefits of Shat-R-Shield HID Lamps

- *For use in open fixtures and to be burned base up only. Open fixtures offer greater flexibility, reduced maintenance, less expense and are more attractive and compact. Lenses on enclosed fixtures can reduce light output by up to 10% and this light loss can be compounded over time by a buildup of dirt, grime and insects on the lens.*
- *If the lamp is broken*, virtually all glass is safely contained by the clear, tough Teflon® coating.*
- *The coating reduces light output by less than 1%, the lamps rated life is unaffected and the minimum coating thickness is 5 mils.*
- *Coating resists breakage from thermal shock and nothing sticks to the coating.*
- *Coating will not yellow, crack or flake.*
- *Safe installation and disposal - you never touch bare unprotected glass.*
- *USDA approved, meet FDA and OSHA requirements and are NSF certified.*
- *Helps your client achieve their HACCP goals.*

*Only protective shrouded lamps are resistant to metal halide non-passive failure

METAL HALIDE Clear or Inside Frosted

Standard - 400 watt

High Output - Higher lumen output than standard. Available in 400 watt and energy saving 360 watt

Energy Saving

Shat-R-Shield also offers the cost saving advantages of energy saving lamps. Our 360 watt lamps cost more than traditional 400 watt metal halides, however, the 360 can be used in standard 400 watt fixtures, will deliver nearly the same lumens as the 400 lamp (97% lumens) and save you 40 watts in energy usage. Over the 20,000 hour average rated life of the lamp, the 360 watt lamp can save \$80.00 in operating cost.

Pulse Start

These lamps are newly designed and require an external ignitor, they will not retrofit into a standard fixture. The pulse start advantages include a more transparent arc tube over life yielding less color shift and higher lumen maintenance. Their hot restrike time is 5-7 minutes compared to 10-12 minutes for standard lamps.

Self-Extinguishing

These lamps are designed to self-extinguish if the outer bulb is broken, to prevent long term exposure to UV emissions from the lamp if it continues to burn. The lamps are recommended and sometimes required for use in schools, sports facilities and other places of public assembly where the lamps may be subject to breakage by external objects.

Protective Shrouded

The combination of Shat-R-Shield's shatter-resistant coating on a protective shroud lamp offers the greatest possible protection on the market. On rare occasion metal halide lamps can suffer "non-passive failure" (arc tube rupture). This is possible no matter which lamp manufacturer you choose.

Shat-R-Shield Protective Shroud Lamps contain a special quartz shield which was designed to contain a ruptured arc tube and thereby minimize the risks. An additional benefit with the quartz shroud is that, combined with the thicker glass bulb wall, UV emissions from the lamp are reduced by over 70%.

Retrofit

These metal halide lamps are made to operate on HPS ballast. They provide crisp, white light with 85+ lumen maintenance.

HIGH PRESSURE SODIUM

These lamps are the most efficient source of high intensity light and are available in standard, inside frosted, non-cycling environmentally safe, dual arc and retrofit versions. Their efficiency is up to 140 lumens per watt and the light produced is a warm golden color. Because of their yellow light output they are frequently used in street lighting and other areas where color rendering is not critical. (For pure white light, metal halide is generally used)

MERCURY VAPOR

Although many of these applications have been converted to the much more efficient metal halide and high pressure sodium lamps, we will still be able to satisfy the needs of your customers that still use these lamps.