shat-r-shield® INC.
PLASTIC-COATED, SHATTERPROOF LAMPS & LIGHTING PRODUCTS

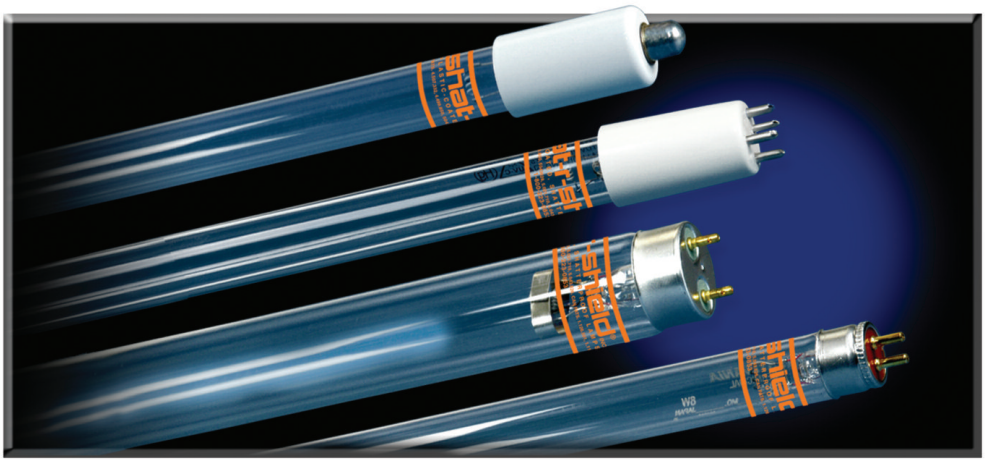
Coated UV/Germicidal Lamps

Product Bulletin

Effective, Convenient & Economical Source for Minimizing Bacterial Contamination

DESCRIPTION

Shat-R-Shield coated, UV/Germicidal Lamps emit high-output UV (ultraviolet) radiation for the primary purpose of inactivating bacteria, viruses, spores and molds in controlled environments. This popular and effective method of disinfection is a cost-effective, ***physical process*** rather than chemical. Shat-R-Shield lamps are safety protected from end-to-end with exclusive, patented coating.



SPECIFICATIONS *Coated UV/Germicidal Lamps*

- UV/Germicidal Lamps are low-pressure, mercury-arc lamps that emit radiation peaking at 253.7 nm (UV-C). Lower mercury content meets ecological demands.
- UV/Germicidal Lamps are fabricated from specialized quartz glass for maximum, high-output, UV production. High-purity lamp construction stabilizes UV output and provides longer service life.
- With safety coating (minimum 16-mils thick), 93.6% of total UV radiation is emitted.
- SHAT-R-SHIELD lamps are not recommended for use in ambient temperatures contrary to the original lamp manufacturer's specifications (contact our Customer Service Department for more information).
- Lamps are 100% inspected for coating thickness and integrity.
- SHAT-R-SHIELD lamps are certified by UL and NSF.
- SHAT-R-SHIELD lamps are USDA approved, FDA, OSHA and CFIA (Canadian Food Inspection Agency) compliant.

If Broken
No-Risk Containment
of Lamp Elements
Within the Clear, Skin-Tight
Plastic Covering for
Quick & Safe Disposal

APPLICATIONS

The Shat-R-Shield line of coated UV/Germicidal lamps are ideal for use in specialized environments to inactivate micro-organisms — medical facilities, clean rooms, food processing, water treatment, air conditioning, pharmaceutical production — applications where ***performance*** and ***safety*** are important issues.

BENEFITS

In addition to providing optimum UV and germicidal performance, the clear, skin-tight coating will contain virtually all glass and other lamp elements in case the lamp is accidentally dropped or broken. No risk to employees, customers, product or equipment. The need for protective sleeves and end-caps is eliminated. The safety coating will not shorten lamp life or yellow with age.

GUARANTEE

The plastic coating on a Shat-R-Shield UV/Germicidal lamp is guaranteed for the rated-life of the lamp.

Ambient temperatures above 120°F, poor fixture contact, improper wiring and improper or defective ballast will adversely affect the coating and may void this guarantee.

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Coated UV/Germicidal Lamps

UPC Catalog Order #	Description	Dimensions Length (mm)	Length (in.)	Diameter (mm)	Diameter (in.)	Watts	Current (amps)	Volts	Spectral Peak (nm)	UV Output (W)	Avg. Life (hours)	Base
	T5 - MINIATURE BI-PIN G5 BASE											
86905U	G8T5	287.0	11.30	15.5	0.61	7.2	0.145	57.0	253.7	2.2	8000	G5
86906U	G16T5	287.0	11.30	15.5	0.61	16.0	0.350	50.0	253.7	3.2	8000	G5
	T8 - MEDIUM BI-PIN G13 BASE											
86907U	G15T8	436.0	17.16	25.5	1.00	15.0	0.305	55.0	253.7	4.9	8000	G13
86908U	G30T8	893.0	35.16	25.5	1.00	30.5	0.355	99.0	253.7	13.9	8000	G13
	T5 - SINGLE PIN											
86911U	G36T5L	846.0	33.31	15.5	0.61	39.0	0.424	115.0	253.7	13.0	9000	1-Pin
	T5 - 4-PIN BASE											
86912U	G36T5L/4P	846.0	33.31	15.5	0.61	39.0	0.424	115.0	253.7	13.0	9000	4-Pin

NOTE: If you do not see the lamp you require, please contact our Customer Service Department for availability and pricing.

Average lamp life and output measurements taken under laboratory conditions in open air.
Lamps are cycled for 2-hours, 45-minutes **on** / 15-minutes **off** when testing life output.
Lamp data is for reference only. Actual lamp performance depends on system design and operating conditions.

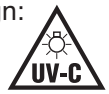
WARNING

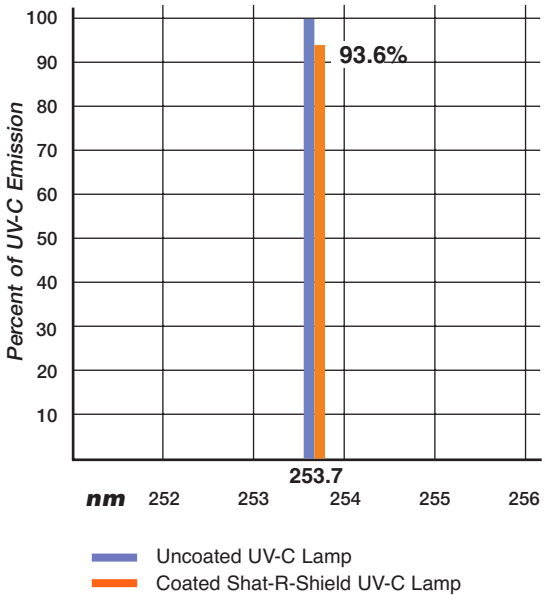
These lamps can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation. Radiation from these lamps is harmful to the eyes and skin. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used.

Protect you eyes and skin when operating UV/Germicidal lamps.

Equipment should be designed to completely screen or filter UV-C radiation.

The UV-C radiation output of these lamps is indicated by the following warning sign:





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CERTIFIED
ANSI / NSF 2
Fabricated Food Service Equipment
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