

ArmorLite™

SAFETY SHIELD

STER-L-RAY® Germicidal Ultraviolet Lamp
(Broken lamp with quartz particles contained within
ArmorLite™ Safety Shield)



STER-L-RAY® Germicidal Ultraviolet Lamp
(within ArmorLite™ Safety Shield)

ArmorLite™ Safety Shield is now available for use with most **Ster-L-Ray® Germicidal Ultraviolet Lamps**. The **ArmorLite™ Safety Shield** is a protective coating that can be applied to most germicidal lamps (linear lamps up to 64-inches long) purchased from and manufactured by Atlantic Ultraviolet Corporation.

The **ArmorLite™ Safety Shield** insures protection for employees, products and work environments by preventing the dangers associated with fragments of broken quartz and mercury contamination.

The **ArmorLite™ Safety Shield** has undergone vigorous, comprehensive testing and evaluation to insure that it is the best product available.

Since **ArmorLite™ Safety Shield** is applied to standard **Ster-L-Ray® Germicidal Ultraviolet Lamps**, **ArmorLite™** protected lamps are available for use with any new or existing ultraviolet installation.

Contact our ultraviolet Application Specialists to discuss the advantages of using germicidal lamps protected by the **ArmorLite™ Safety Shield** in your installation.

APPLICATIONS

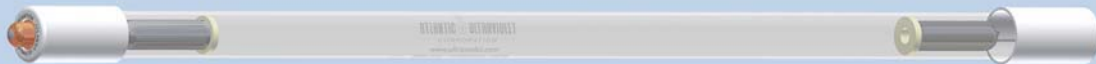
ArmorLite™ Safety Shield is ideally suited for **Ster-L-Ray® Germicidal Ultraviolet Lamps** used for:

- Air stream and surface disinfection in air duct applications and/or air handling spaces (**AeroLogic®**).
- Direct surface disinfection of workspaces, products and/or packaging (**SaniLIGHT® & SaniRay®**).
- All applications (beverage, food processing, pharmaceutical, semiconductor, etc.) where protection from possible contamination caused by broken ultraviolet lamps is required. (**Nutripure® & Sanitaire®**).

FEATURES

- Quartz fragments and mercury are safely contained within the **ArmorLite™ Safety Shield**.
- Excellent transmission of ultraviolet energy, with minimal loss in output.
- Excellent resistance to nearly all chemicals.
- Insulates ultraviolet lamp from reduced ambient temperatures. Relative ultraviolet output is reduced with lower lamp temperatures.
- Protects against hazards (physical, material handling) associated with broken lamps, quartz fragments and mercury contamination.
- Reduces costs associated with broken lamps: costly downtime during cleanup, possible loss of products due to contamination, etc.

COLD CATHODE GERMICIDAL LAMPS



Lamp Description		Length (mm) Base Face to Base Face	Lamps Watts (1)	Approx. Lamp Current mA	UV Output Total Watts (2)	UV Output Microwatts at 1 Meter (3)	Ozone Output (if applicable) (4)	Rated Effective Hours
Ozone Free	Ozone Producing							
CC12T5L	CC12T5VH	230	15	90	2.8	22	0.4	20,000
782L10	782VH10	357	20	90	2.9	29	0.8	20,000
CC18T5L	CC18T5VH	381	21	90	3.2	32	0.8	20,000
CC24T5L	CC24T5VH	538	23	90	5.0	47	1.3	20,000
782L20	782VH20	611	24	90	5.8	55	1.5	20,000
CC36T5L	CC36T5VH	843	28	90	8.5	75	2.3	20,000
782L30	782VH30	865	29	90	8.7	77	2.3	20,000
CC48T5L	CC48T5VH	1148	34	90	11.2	98	3.0	20,000

Custom lamp lengths can also be supplied.

U-SHAPED COLD CATHODE GERMICIDAL LAMPS



Lamp Description		Length (mm) Base Face to Outside of Bend	Lamps Watts (1)	Approx. Lamp Current mA	UV Output Total Watts (2)	UV Output Microwatts at 1 Meter (3)	Ozone Output (if applicable) (4)	Rated Effective Hours
Ozone Free	Ozone Producing							
CC18T5L/U	CC18T5VH/U	201	21	90	3.2	32	0.8	20,000
CC24T5L/U	CC24T5VH/U	287	23	90	5.0	47	1.3	20,000
688A45	N/A	370	26	90	7.0	66	N/A	20,000
CC36T5L/U	CC36T5VH/U	429	28	90	8.5	75	2.3	20,000
CC48T5L/U	CC48T5VH/U	582	34	90	11.2	98	3.0	20,000

Custom lamp lengths can also be supplied.