

GE Consumer & Industrial
Specialty Lighting

UV lamps for germicidal applications.

Water, air and surface sterilization.



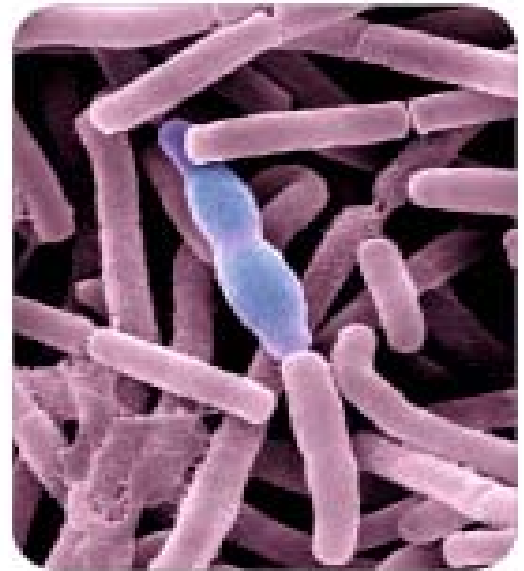
imagination at work

Germicidal Lamps

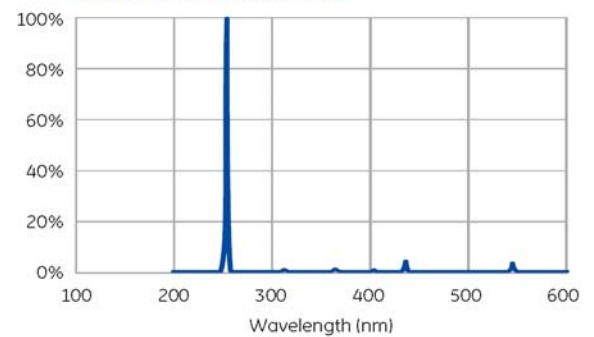
Linear fluorescent and compact fluorescent types

GE Germicidal lamps use a special glass that transmits ultra-violet light in a spectral band that can be effective for sterilization. A proven technology for the destruction of air-borne bacteria, viruses and mold spores.

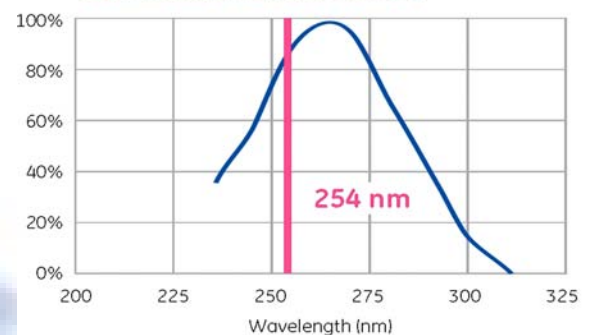
Improved system efficiency when installed in HVAC units by reducing bacterial and mold growth. The UVC wavelength of 254 nm will inactivate bacteria, viruses, mold, and cysts by preventing DNA replication.



Relative Irradiance



Germicidal Effectiveness



Germicidal Applications

UV lamps for germicidal applications. Water, air and surface sterilization.

Healthcare

UVC is used to reduce the spread of disease, protecting both patients and staff. UV fixtures are often found in areas where the risk of infection is greatest; such as immuno-compromised patient areas or where the probability of transmission is high.

Processing Industry

Food may be irradiated to prevent growth of mold and other dangerous organisms before it is packaged. This helps ensure food safety and extends shelf life. UVC lamps are also used within the facility to limit the exposure of food products to airborne micro-organisms.

Scientific Labs

In industries that demand a clean, sterile environment, UVC is used to limit the amount of 'live' organisms in the air, and to sterilize equipment and surfaces when employees are not in the room.

Industrial, Municipal, Residential Water and Pond Treatment

Special UVC lamps are used in some treatment applications as a means of disinfection. This technology serves as a replacement for chlorination in waste water treatment and as an additional protective barrier in drinking and process water applications.

Lamps are now widely used in Pond cleansing for both domestic and commercial uses.

Commercial buildings

UVC lamps are used as a means of improving HVAC system efficiencies by irradiating coils and keeping them from building up with mold and other bacteria, which reduces the flow rate and costs more to operate. These lamps can also be installed in-duct as a means of improving indoor air quality.



Food processing industry

- Food processing
- Food handling
- Warehousing
- Produce department
- Meat cases
- Salad bars
- Dessert cases
- Bakeries
- Buffets
- Restaurants



Biotech industry

- Bioengineering
- Genetics
- Medical testing
- Pharmaceutical processes
- Research labs
- Biotech labs
- Equipment sterilization

Germicidal lamps range

Watt	Length inch	Length mm	Product Description	UV Output (Watts)	Irradiance ($\mu\text{W}/\text{cm}^2$)	Rated Life Hours	Pack Qty	Product Code
Germicidal								
Soft Glass UV Output (Watts) Efficacy								
T5 Germicidal								
4	5.91	150.1	G4T5	0.9	8.3	6000	24	15872
6	8.91	226.3	G6T5	1.7	17.7	6000	24	15873
8	11.91	302.5	G8T5	2.3	24.0	7500	24	11077
11	226.3	8.91	G11T5	2.2	22.9	8000	24	29495
16	11.91	302.5	G16T5	3.2	33.0	8000	24	16494
36	34.07	865.5	G36T5	12	109.5	9000	24	15874
64	62.00	1574.8	G64T5	18	185.0	7500	24	15864
T5 Germicidal Single 4pin cap								
11	8.66	220	G11T5/4P/SE	2.2	22.9	8000	24	29500
16	12.61	320.3	G16T5/4P/SE	3.4	33.0	8000	24	29502
36	33.28	845.4	G36T5/4P/SE	12	109.5	9000	24	29503
64	61.28	1556.6	G64T5/4P/SE	25	200.0	9000	24	29504
T5 Germicidal Single 4pin cap								
37	31.34	796	GPH793T5L/4P	12.8	131.0	9000	12	46630
T8 Germicidal								
10	13.61	345.7	G10T8	2.7	27.6	6000	24	29498
15	17.78	451.6	G15T8	4.8	49.0	8000	24	11078
25	17.78	451.6	G25T8	6.9	70.0	8000	24	11082
30	35.78	908.8	G30T8	12.4	125.0	8000	24	11080
36	47.78	1213.6	G36T8	14.6	145.0	8000	24	29499
55	35.78	908.8	G55T8HO	18	194.0	8000	24	15875
T10 Germicidal								
20	23.78	604	G20T10	7.5	75.8	8000	24	15876
40	47.78	1213.6	G40T10	19.8	200.0	8000	24	29532
Biax™ Germicidal								
5	3.35	85.0	GBX5/UVC G23	1.0	9.0	8000	100	40695
9	5.71	145.0	GBX9/UVC G23	2.4	22.0	8000	100	40696
11	8.46	215.0	GBX11/UVC G23	3.6	33.0	8000	100	40700
13	6.69	170.0	GBX13/UVC GX23	3.6	31.0	8000	100	40703
18	8.8	225.0	GBX18/UVC/2G11	5.3	51.0	8000	40	15882/40704
36	16.33	415	GBX36/UVC/2G11	12	110.0	8000	40	15883/40705
55	21.1	535	GBX55/UVC/2G11	16.5	156.0	8000	25	15885/40706

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Germicidal Lamps - English - January 2006