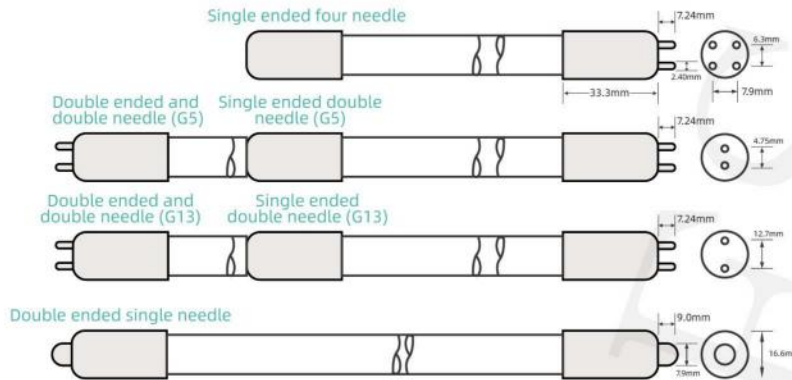


Standard Output Germicidal Lamp



Standard Output Germicidal Lamp

Lightbest UV germicidal lamp is professionally made of high-purity quartz sand and standard transparent quartz glass tubes, with high purity, good thermal stability, and high light transmittance (UVT) (vacuum dehydroxylation) Low hydroxyl content (OH).

There are high-ozone(VH) lamps made of transparent pure quartz glass tubes that emit 185nm and 254nm, and ozone-free(L) lamps made of quartz glass tubes that shield 185nm radiation and are highly transparent to 254nm.

Ozone-free lamp is produced from a quartz glass tube that shields 185nm radiation and is highly transparent at 254nm. About 95% of the ultraviolet energy emitted is at the peak of 254nm. Ultraviolet light in this band kills bacteria, viruses, and viruses by direct radiation. Mold spores, etc.

Ozone lamp, produced from natural pure quartz glass tubes, can emit 185nm and 254nm ultraviolet rays. 185nm ultraviolet rays react with oxygen (O₂) in the air to produce high concentrations of ozone (O₃). Ozone can destroy Cells in microorganisms can also act as strong oxidants to quickly kill microbial tissues.

Lamp Start Types

Preheat start type:

- *Used with preheat start electronic ballasts with 4 output wires or plugs
- *Single ended 4-pin UV lamps, double ended 2-pin UV lamps
- *Used under frequent switching and low temperature conditions

Instant start type:

- *Used with instant start electronic ballasts with 2 output wires or plugs
- *Single ended 2-pin UV lamps, double ended single pin UV lamps
- *Used under infrequent switching and normal temperature conditions, such as air purification, HVAC and appliances

Preheat start type can also be turned into instant start type with some electronic ballasts by changing the lines (merging lines) to meet the customer's on-site usage.



HVAC



Aquarium



Oil Fume Treatment

Preheat Start Germicidal Lamps-T8 2P



■ Preheating ozone free type

Model No.	Lamp Dimensions (mm)		Power (W)	Current (mA)	Voltage at (V)	UV Output at 1 Meter		Rated Life (h)
	Tube Diam	Length				($\mu\text{W}/\text{cm}^2$)	(W)	
G10T8L/2P T8 10W	24	330	10	230	45	23	2.2	9000
G15T8L/2P T8 15W	24	436	15	340	54	48	4.7	9000
G18T8L/2P T8 20W	24	589	18	320	80	45	4.5	9000
G25T8L/2P T8 25W	24	436	25	600	48	69	7.0	9000
G30T8L/2P T8 30W	24	894	30	370	102	100	11.2	9000
G36T8L/2P T8 36W	24	1199	36	440	103	145	15.3	9000
G55T8L/2P T8 55W	24	894	55	770	86	150	18.0	9000
G75T8L/2P T8 75W	24	1199	75	840	110	220	26.0	9000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm *Customized specifications are available

Preheat Start Germicidal Lamps-T6 2P



■ Preheating ozone free type

Model No.	Lamp Dimensions (mm)		Power (W)	Current (mA)	Voltage at (V)	UV Output at 1 Meter		Rated Life (h)
	Tube Diam	Length				($\mu\text{W}/\text{cm}^2$)	(W)	
G10T6L/2P T6 15W	19	330	10	230	45	23	2.2	9000
G15T6L/2P T6 15W	19	436	15	340	54	48	4.7	9000
G18T6L/2P T6 20W	19	589	18	320	80	45	4.5	9000
G30T6L/2P T6 30W	19	894	30	370	102	100	11.2	9000
G55T6L/2P T6 55W	19	894	55	770	86	150	18.0	9000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm *Customized specifications are available

Preheat Start Germicidal Lamps-T5 4P



Preheating ozone free type

Model No.	Lamp Dimensions(mm)			Power (W)	Current (mA)	Voltage at 50/60Hz (V)	UV Output at 1 Meter		Rated Life (h)
	Tube Diam	Length	Discharge length				(μw/cm ²)	(W)	
GPH135T5L/4P	15	135	55	4	165	25	8	0.9	9000
GPH212T5L/4P	15	212	132	6	165	37	16	1.7	9000
GPH212T5L/4P	15	212	132	11	425	34	25	2.6	9000
GPH238T5L/4P	15	238	158	11	425	32	27	2.7	9000
GPH245T5L/4P	15	245	165	12	425	35	28	2.8	9000
GPH250T5L/4P	15	250	170	12	425	36	29	3.0	9000
GPH254T5L/4P	15	254	174	12	425	37	30	3.2	9000
GPH275T5L/4P	15	275	195	13	425	39	34	3.5	9000
GPH287T5L/4P	15	287	207	8	170	47	23	2.4	9000
GPH287T5L/4P	15	287	207	14	425	41	40	4.0	9000
GPH303T5L/4P	15	303	222	15	425	43	42	4.1	9000
GPH330T5L/4P	15	330	250	17	425	44	45	4.5	9000
GPH357T5L/4P	15	357	297	18	425	51	54	5.7	9000
GPH436T5L/4P	15	436	356	21	425	62	72	7.3	9000
GPH450T5L/4P	15	450	370	22	425	64	74	7.5	9000
GPH463T5L/4P	15	463	383	23	425	66	78	8.0	9000
GPH550T5L/4P	15	550	470	28	425	69	85	8.9	9000
GPH620T5L/4P	15	620	540	30	425	80	98	9.8	9000
GPH645T5L/4P	15	645	565	32	425	85	100	10.0	9000
GPH650T5L/4P	15	650	570	34	425	90	105	10.6	9000
GPH793T5L/4P	15	793	713	38	425	112	120	13.0	9000
GPH810T5L/4P	15	810	730	39	425	115	130	14.5	9000
GPH843T5L/4P	15	843	762	41	425	120	150	15.0	9000
GPH910T5L/4P	15	910	829	55	425	125	158	16.0	9000
GPH925T5L/4P	15	925	829	55	425	130	160	17.0	9000
GPH1148T5L/4P	15	1148	1068	55	425	165	180	22.0	9000
GPH1554T5L/4P	15	1554	1474	75	425	220	240	33.0	9000
GPH1630T5L/4P	15	1630	1550	79	425	231	250	34.5	9000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm

*Customized specifications are available

Preheat Start Germicidal Lamps-T5 2P

■ Preheating ozone free type

Model No.	Lamp Dimensions(mm)			Power (W)	Current (mA)	Voltage at 50/60Hz (V)	UV Output at 1 Meter		Rated Life (h)
	Tube Diam	Length	Discharge length				(μw/cm ²)	(W)	
GPH135T5L/2P	15	135	55	4	165	25	8	0.9	9000
GPH212T5L/2P	15	212	132	6	165	37	16	1.7	9000
GPH212T5L/2P	15	212	132	11	425	30	22	2.0	9000
GPH287T5L/2P	15	287	207	8	170	47	23	2.4	9000
GPH287T5L/2P	15	287	207	14	425	41	40	4.0	9000
GPH303T5L/2P	15	303	222	15	425	43	42	4.1	9000
GPH330T5L/2P	15	330	250	17	425	44	45	4.5	9000
GPH357T5L/2P	15	357	297	18	425	51	54	5.7	9000
GPH436T5L/2P	15	436	356	21	425	62	72	7.3	9000
GPH645T5L/2P	15	645	565	32	425	85	100	10.0	9000
GPH843T5L/2P	15	843	762	41	425	120	150	15.0	9000
GPH1148T5L/2P	15	1148	1068	55	425	165	180	22.0	9000
GPH1554T5L/2P	15	1554	1474	75	425	220	240	33.0	9000
GPH1630T5L/2P	15	1630	1550	79	425	231	250	34.5	9000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm *Customized specifications are available



Preheat Start Germicidal Lamps-T4 2P

■ Preheating ozone free type

Model No.	Lamp Dimensions(mm)		Power (W)	Current (mA)	Voltage at 50/60Hz (V)	UV Output at 1 Meter		Rated Life (h)
	Tube Diam	Length				(μw/cm ²)	(W)	
GPH120T4L/2P	12	120	3	165	20	10	0.7	8000
GPH135T4L/2P	12	135	4	170	25	12	0.9	8000
GPH150T4L/2P	12	150	5	175	30	15	1.2	8000
GPH270T4L/2P	12	270	13	425	30	33	2.3	8000
GPH446T4L/4P	12	446	20	425	47	70	6.0	8000
GPHA446T4L/4P	12	446	40	800	50	150	11.0	8000
GPH800T4L/2P	12	800	40	425	95	125	8.5	8000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm

*Customized specifications are available

* Widely used in healthy small household appliances such as mite removers, vacuum cleaners, smart clothes drying racks, bracket-type disinfection lamps, wardrobe disinfection lamps, etc.

Instant Start (Slimline) Germicidal Lamps-T5 SP

■ Instant start ozone free type

Model No.	Lamp Dimensions(mm)			Power (W)	Current (mA)	Voltage at 50/60Hz (V)	UV Output at 1 Meter		Rated Life (h)
	Tube Diam	Length	Discharge length				(μw/cm ²)	(W)	
G10T5L	15	357	277	17	425	51	54	5.7	9000
G36T5L	15	843	763	41	425	120	130	13.0	9000
G48T5L	15	1148	1068	55	425	165	170	18.0	9000
G64T5L	15	1554	1474	75	425	220	225	24.0	9000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm *Customized specifications are available



Compact Germicidal Lamp

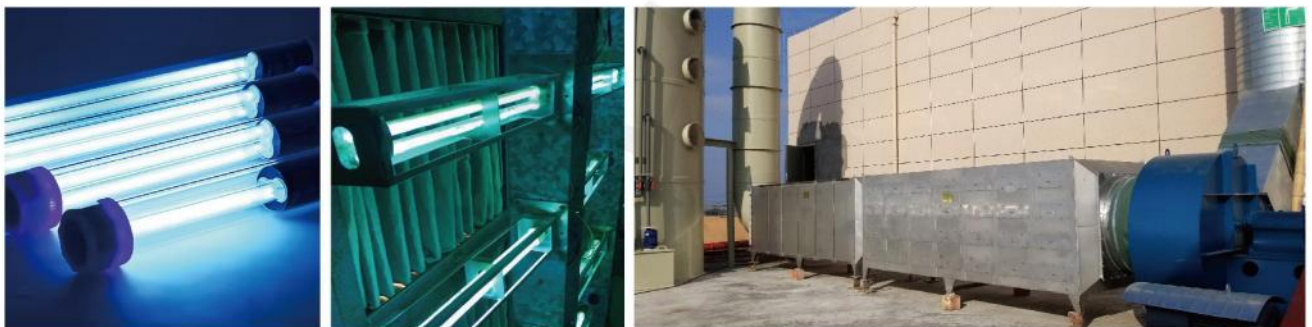
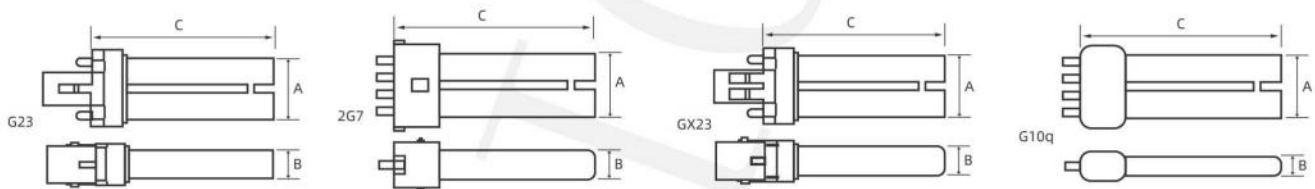


■ Compact Germicidal Lamp

Used for the applications that require more intense UV radiation in a limited space. Amalgam compact germicidal lamps are available.

PL/ H type 2-pin lamps with base G23 and GX23, are needed to be used with 120V AC and 230V AC input if with magnetic ballasts PL/ H or U type 4-pin lamps with base 2G7, 2G11, G32q and G10q

Extensively used in air purifiers, UV air modules in hospitals, air duct systems, HVAC, pond water units and fish pools, Aquarium etc.



H-shape UV Germicidal Lamp



Model No.	Lamp Dimensions(mm)				Power (W)	Current (mA)	Voltage at 50/60Hz (V)	UV Output at 1 Meter		Rated Life (h)
	Max (A)	Max (B)	Max (C)	Base				($\mu\text{W}/\text{cm}^2$)	(W)	
GPL5W/2P	28	13	83	G23	5	180	35	9	1.0	9000
GPL5W/4P	28	13	83	2G7	5	190	27	9	1.0	9000
GPL7W/2P	28	13	112	G23	7	175	46	15	1.6	9000
GPL7W/4P	28	13	112	2G7	7	190	37	15	1.6	9000
GPL9W/2P	28	13	145	G23	9	170	60	22	2.4	9000
GPL9W/4P	28	13	145	2G7	9	200	45	22	2.4	9000
GPL11W/2P	28	13	213	G23	11	160	89	33	3.6	9000
GPL11W/4P	28	13	213	2G7	11	150	77	33	3.5	9000
GPL13W/2P	28	13	155	GX23	13	290	56	31	3.4	9000
GPL18W/4P	39	18	220	2G11	18	370	58	51	5.5	9000
GPL24W/4P	39	18	315	2G11	24	350	87	65	7.0	9000
GPL36W/4P	39	18	410	2G11	36	440	106	110	12	9000
GPL55W/4P	39	18	535	2G11	55	530	105	156	17	9000
GPL35W/HOA/4P	39	18	220	2G11	35	850	55	105	11	9000
GPL60W/HOA/4P	39	18	410	2G11	60	680	118	166	19	9000
GPL95W/HOA/4P	39	18	535	2G11	95	800	115	230	23	9000
GPL150W/HOA/4P	39	18	810	2G11	150	800	180	250	27	9000

* UV lamps with 2-pin have a built-in capacitor and/or starter inside G23 and GX23 lampholder, and so the input voltage of the electronic ballast, 120V/230V AC, MUST be indicated. Or the lamp is not able to be lighted by the unmatched ballast.

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm *Customized specifications are available

*2G11, G32q, G10q and other bases are optional for 4-pin lamps



Capacitor

Starter

U-shape UV Photocatalysis Lamp/ UV Photooxygen Lamp



185nm UV photocatalysis (photooxygen) perform by light absorption and charge separation. In the process of photocatalytic degradation of organic pollutants, electrons can participate in the reduction reaction, reducing oxygen to hydroxyl radicals, while holes can participate in oxidation. The reaction oxidizes water to hydroxyl radicals. These two kinds of free radicals have strong oxidizing ability and can oxidize and degrade organic pollutants.

Model No.	Lamp Dimensions(mm)				Power (W)	Current (mA)	Voltage at 50/60Hz (V)	UV Output at 1 Meter		Rated Life (h)
	Max (A)	Max (B)	Max (C)	Base				($\mu\text{W}/\text{cm}^2$)	(W)	
GPL24W/VH/4P	30	15	315	G10q	24	350	87	65	7.0	9000
GPL36W/VH/4P	30	15	410	G10q	36	440	106	110	12	9000
GPL150W/VH/HOA/4P	30	15	810	G10q	150	800	182	250	27	9000

*The above UV lamps can be made with high ozone type VH, 185nm+2537nm *Customized specifications are available

*2G11, G10q and other bases are optional