

FE TECHNOLOGY, INC.

*LAMPS:
UV and Xenon*



UV GERMICIDAL LAMP APPLICATIONS

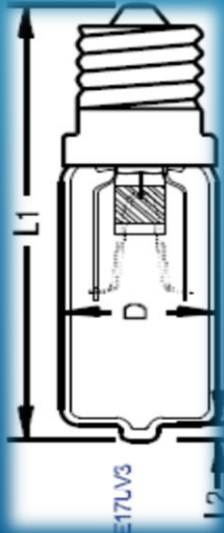
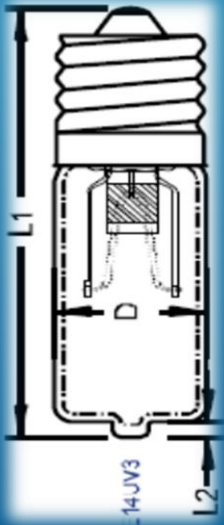
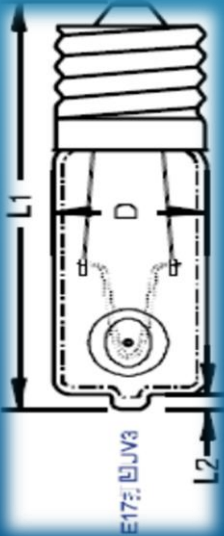
- **Photolysis principle oxidation**
- **Used for air, water, and surface of object disinfection**
- **Surface activation and cleaning**
- **Light curing**
- **Light dechlorination**
- **Industrial water treatment**
- **Used for removing VOC's and odors**
- **Photochemistry**

UV3 LAMPS



Applications:

Used in air purifiers, air deodorizing, refrigerators, disinfecting cabinets, microwave ovens, sterilization humidifiers, dental sterilizers and other small-volume disinfection sterilization products.



Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC	3	300	17	60	E14	700	5000
UVC	3	300	17	53	E17	700	5000
UVC	3	300	17	60	E17	700	5000

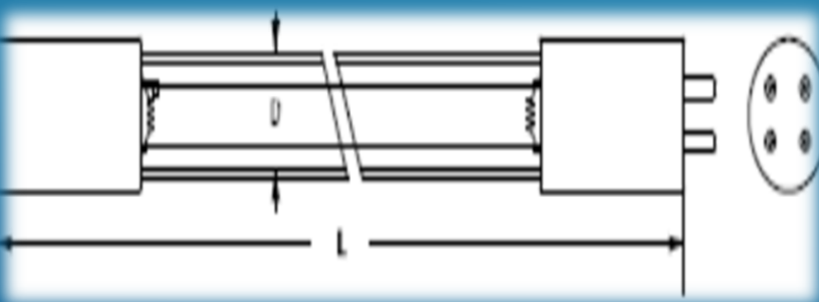
HOT CATHODE LAMPS - 1



Applications:

Applied to domestic water, pure water, medical water and other water for disinfection; wastewater disinfection equipment; aquariums; aquatic lamp circulating water sterilization; Photo catalytic air conditioning; and ventilation pipe air sterilization and disinfection.

Single-ended 4pin ; Base: 4Pin ceramic



Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-135	4	180	15	135	G10q	12	8000
UVC-212	6	140	15	212	G10q	16	8000
UVC-288	8	155	15	288	G10q	22	8000
UVC-331	10	200	15	331	G10q	28	8000
UVC-437	15	230	15	437	G11q	40	8000
UVC-589	20	250	15	589	G10q	60	8000
UVC-893	30	280	15	893	G10q	95	8000
UVC-1198	40	300	15	1198	G10q	95	8000

HOT CATHODE LAMPS - 2



Applications:

Applied to domestic water, pure water, medical water and other water for disinfection; wastewater disinfection equipment; aquariums; aquatic lamp circulating water sterilization; Photo catalytic air conditioning; and ventilation pipe air sterilization and disinfection.

Double-ended straight tube ; Base: Aluminum G5/Ceramic G5/G13



Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-135	4	180	15	135	G5	12	8000
UVC-180	5	150	15	180	G5	10	8000
UVC-212	6	140	15	212	G5	16	8000
UVC-288	8	155	15/25	288	G5	22	8000
UVC-331	10	200	15/25	331	G5	28	8000
UVC-347	15	230	15/25	437	G5	40	8000
UVC-589	20	250	15/25	589	G5/G13	60	8000
UVC-894	30	280	15/25	894	G5/G13	95	8000
UVC-1198	40	300	15/25	1198	G5/G13	95	8000
UVC-1555	65	470	15/25	1555	G5/G13	200	8000
UVC-1555-1	165	800	15/19	1555	G5/G13	520	8000

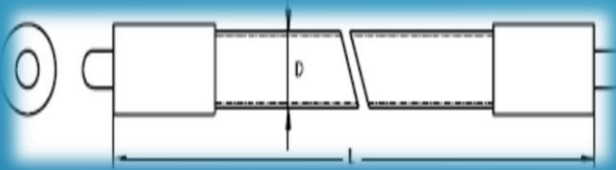
HOT CATHODE LAMPS - 3



Applications:

Applied to domestic water, pure water, medical water and other water for disinfection; wastewater disinfection equipment; aquariums; aquatic lamp circulating water sterilization; Photo catalytic air conditioning; and ventilation pipe air sterilization and disinfection.

Double-ended 1 pin Base: 1 Pin ceramic

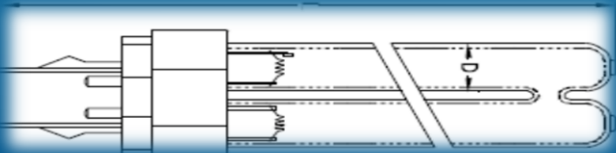


Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-1554	150	1102	15	1554	1P	33000	8000

Single-ended H-type



Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-106	5	155	12	106	G24q-1	10	8000
UVC-135	7	165	12	135	G24q-1	16	8000
UVC-167	9	170	12	167	G24q-1	26	8000
UVC-236	11	130	12	236	G24q-1	38	8000



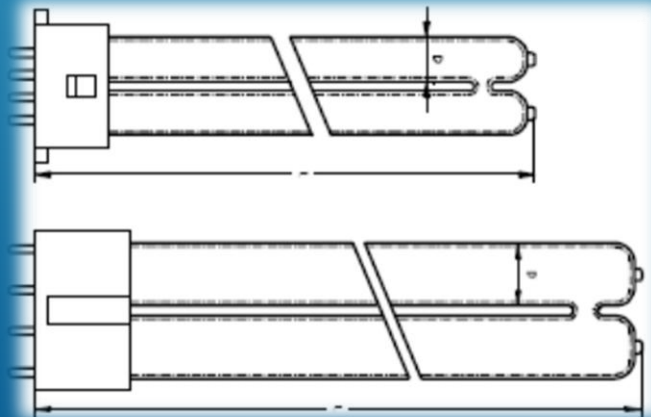
HOT CATHODE LAMPS - 4



Applications:

Applied to domestic water, pure water, medical water and other water for disinfection; wastewater disinfection equipment; aquariums; aquatic lamp circulating water sterilization; Photo catalytic air conditioning; and ventilation pipe air sterilization and disinfection.

Single-ended H-type Base: 2G11/2G7



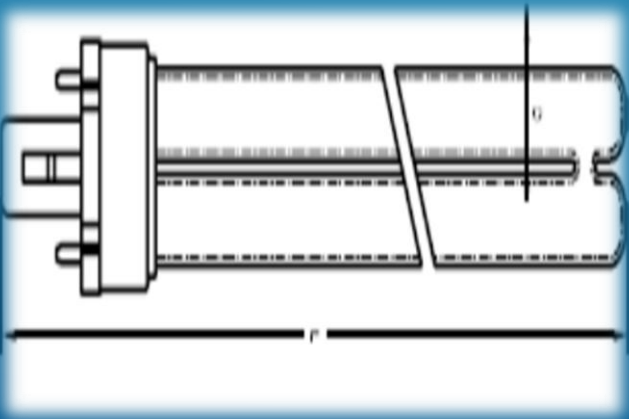
Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-218	18	330	17	218	2G11	50	8000
UVC-318	24	320	17	318	2G11	94	8000
UVC-411	36	400	17	411	2G11	120	8000
UVC-532	55	450	17	532	2G11	150	8000

HOT CATHODE LAMPS - 5



Applications:

For disinfection, sterilization, deodorizing, purification, equipment and medical disinfection, photo catalytic air purifiers, aquarium disinfection



Single-ended H-type Base: G23

Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-106	5	155	12	106	G23	10	8000
UVC-235	7	165	12	135	G23	16	8000
UVC-167	9	170	12	167	G23	23	8000
UVC-236	11	130	12	236	G23	38	8000

HOT CATHODE LAMPS - 6

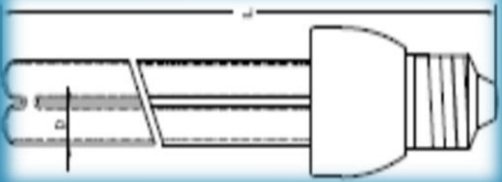


Applications:

Hospital, Kitchen, Bathroom, Food room, Clean room

E-27 integrated UV lamp Base: E26 / E27

Type	W	V	Hz	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-150	10	120/220	60/50	12	150	E26/E27	18	8000
UVC-200	15	120/220	60/50	12	200	E26/E27	25	8000
UVC-250	20	120/220	60/50	12	250	E26/E27	25	8000



E-T5 integrated UV lamp

Type	W	V	Hz	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
T5-8	8	120/240	50/60	15	312	2P/3P	22	8000
T5-15	15	120/240	50/60	15	461	2P/3P	40	8000
T5-20	20	120/240	50/60	15	611	2P/3P	60	8000
T5-30	30	120/240	50/60	15	915	2P/3P	95	8000
T5-40	40	120/240	50/60	15	1211	2P/3P	95	8000



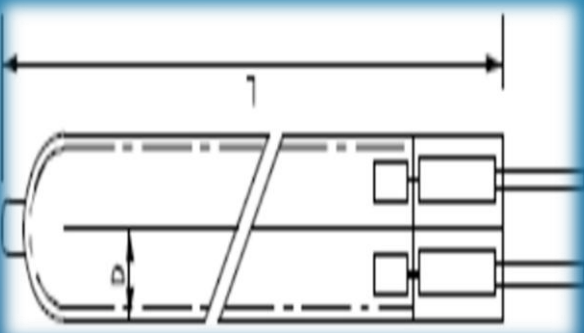
COLD CATHODE LAMPS -1



Applications:

Toothbrush sterilizer, refrigerator, denture sterilizer, towel disinfection box, chopstick sterilizer, other types of portable sterilizer

U-Type Base: Cable/Plug



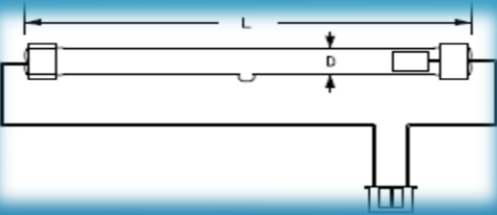
Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-58	1	4	4	58	Cable/Plug	280	10000
UVC-73	2	4	4	73	Cable/Plug	300	10000
UVC-100	2	5	5	100	Cable/Plug	350	10000
UVC-165	2	4	5	165	Cable/Plug	400	10000
UVC-205	4	12	12	205	Cable/Plug	450	10000

COLD CATHODE LAMPS - 2



Applications:

Toothbrush sterilizer, refrigerator, denture sterilizer, towel disinfection box, chopstick sterilizer, other types of portable sterilizer



Straight-Type Base: Cable/Plug/G5



Type	W	mA	D(mm)	L(mm)	Base	UV radiation($\mu\text{W}/\text{CM}^2$)	AV. Life(h)
UVC-125	3	9	9	125	Cable/Plug	300	10000
UVC-200	4	9	9	200	Cable/Plug	400	10000
UVC-285	6	15	12	285	Cable/Plug	500	10000
UVC-212	4	12	12	212	G5	500	10000

OEM SPECIAL UV LAMP SHAPES – BASED ON CUSTOMER'S NEED

Hot cathode type



Cold cathode type



PULSED XENON LAMP



Application:

Strong pulse light providing wavelengths from 420~1200nm; this wide range of light distribution includes the spectrum closest to sunlight.

Quartz glass provides special optical properties, high transmittance, anti-arcing and high brightness, as well as long life.

Common uses:

Photography, Defense aviation aircraft, Nautical vessel lighthouse, Warning light source, Stage lighting, Strobe speed measuring equipment, Advertising devices, and Analysis of measuring instruments.

Pulse xenon lamp parameters

Type	D(mm)	L(mm)	Arc(m m)	Starting V. (V)	Gate V.(KV)	Electrical Energy(Ws)	Flash Capa. (μ F)	Flash interval Second/time	Flash life time 10,000 times
L30	4.0 \pm 0.1	51 \pm 1.0	30 \pm 1.0	250V	10KV	86	1400	3	30
L25	3.95 \pm 0.1	50 \pm 1.0	30 \pm 1.0	200V	8KV	74	1200	3	25
L10	3.95 \pm 0.1	50 \pm 1.0	30 \pm 1.0	200V	8KV	61	1000	3	10
L15	3.6 \pm 0.1	48 \pm 1.0	27 \pm 1.0	200V	8KV	65	1200	3	15
L50	8 \pm 0.1	107 \pm 1.0	47 \pm 1.0	250V	15KV	200	2700	3	30