USHIO Applying Light to Life®

Ultraviolet Low Pressure Mercury Arc

Ushio Ultraviolet lamps are low pressure mercury arc lamps that emit radiation peaking at 253.7nm (UV-C). Designed by experienced engineers, and by using quality material in combination with a tightly controlled manufacturing process, we provide high quality lamps free of impurities to maintain strong and stable output throughout the life of the lamp. Our Ultraviolet lamps are manufactured at an ISO9001 certified facility. Emphasis on quality control and our large production capacity makes us an ideal OEM partner for providing consistent quality lamps with reliable delivery. These lamps are components which may be used by customers to manufacture a variety of finished products.

FEATURES & BENEFITS

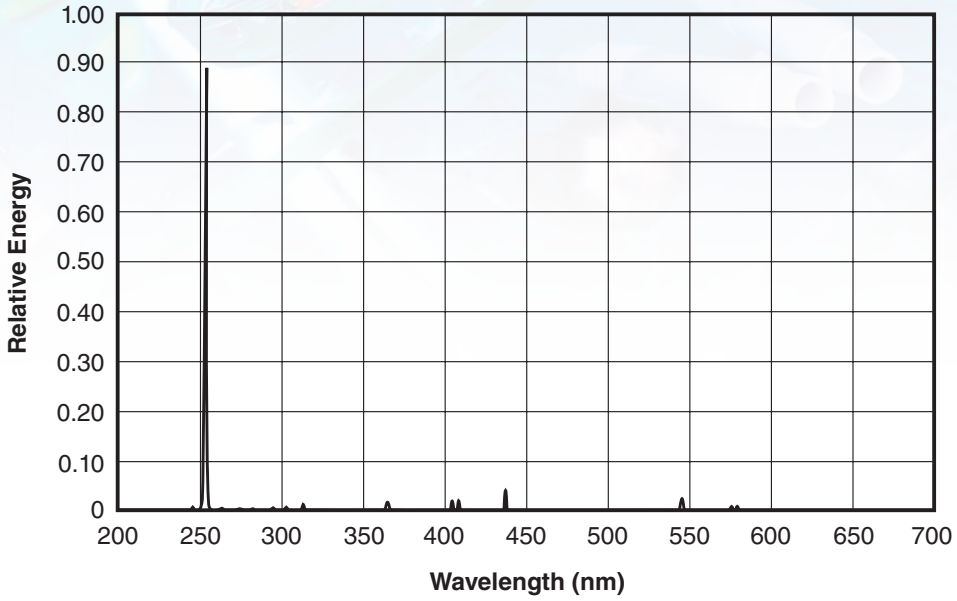
- Low Mercury Dose to Meet Environmental Demands
- Specially Formulated Coating Achieves High Output Over Long Life Hours
- High Purity Lamp Construction to Stabilize UV Output and Minimizes Depreciation (Averages 20-25% Depreciation at End of Life)
- Large Production Capacity Providing Lamps with Consistent Quality and Reliable Delivery
- Flexible Design Capability for Custom Lamp Development

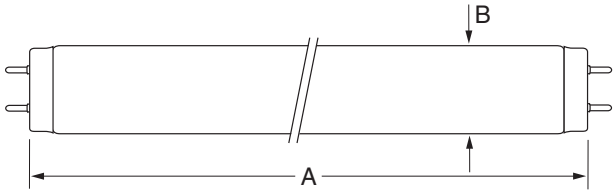
APPLICATIONS

- Drinking Water
- Wastewater
- Air Conditioning System
- Pharmaceutical Processing
- Food Processing Facility
- Packaging Materials
- Laboratory/Research
- Photochemistry
- Clean Room
- Other Sterilization and Disinfection Needs

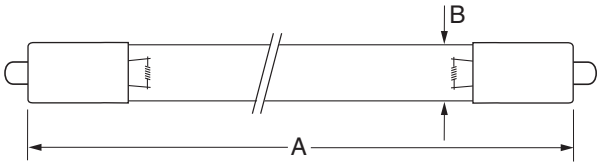
SPECIFICATIONS

SPECTRAL DISTRIBUTION
ULTRAVIOLET LAMP - 253.7nm

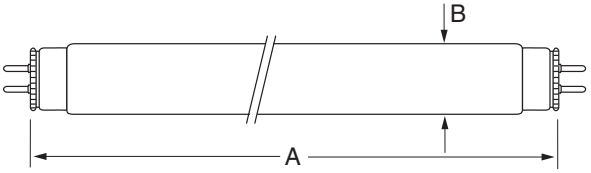




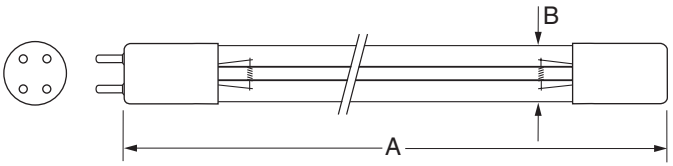
T8 and T10
Medium Bi-Pin G13 Base



T5
Single-Pin Base



T5
Miniature Bi-Pin G5 Base



T5
4-Pin Base

Watts (W)	Ordering Code	Lamp Description	Base	Volts (V)	Lamp Current (A)	Dimensions Length (A) (mm)	Length (A) (in)	Diameter (B) (mm)	Diameter (B) (in)	Spectral Peak (nm)	UV Output (W)	Average Life (h)
		T5 - Miniature Bi-Pin G5 Base										
4.5	3000013	G4T5	G5	29.0	0.170	134.5	5.30	15.5	0.61	253.7	0.8	6000
6.0	3000015	G6T5	G5	42.0	0.160	210.5	8.29	15.5	0.61	253.7	1.8	8000
7.2	3000016	G8T5	G5	57.0	0.145	287.0	11.30	15.5	0.61	253.7	2.2	8000
16.0	3000311	G16T5	G5	50.0	0.350	287.0	11.30	15.5	0.61	253.7	3.2	8000
		T8 - Medium Bi-Pin G13 Base										
9.5	3000006	G10T8	G13	46.0	0.230	330.0	12.99	25.5	1.00	253.7	2.7	8000
15.0	3000007	G15T8	G13	55.0	0.305	436.0	17.17	25.5	1.00	253.7	4.9	8000
25.0	3000008	G25T8	G13	46.0	0.600	436.0	17.17	25.5	1.00	253.7	6.9	8000
30.5	3000009	G30T8	G13	99.0	0.355	893.0	35.15	25.5	1.00	253.7	13.9	8000
		T10 - Medium Bi-Pin G13 Base										
19.0	3000314	G20T10	G13	58.0	0.360	588.5	23.17	32.5	1.28	253.7	7.5	8000
39.5	3000315	G40T10	G13	106.0	0.420	1198.0	47.17	32.5	1.28	253.7	19.8	8000
		T5 - Single Pin Base										
16.0	3000338	G10T5L	Single Pin	55.0	0.425	357.0	14.06	15.5	0.61	253.7	5.3	9000
39.0	3000312	G36T5L	Single Pin	115.0	0.425	846.0	33.31	15.5	0.61	253.7	13.0	9000
65.0	3000313	G64T5L	Single Pin	250.0	0.425	1553.6	61.17	15.5	0.61	253.7	27.0	9000
		T5 - Single Pin Base - Quartz										
41.0	3000010	G36T5/SL, Ultraviolet	Single Pin	98.0	0.425	846.0	33.31	15.0	0.59	253.7	16.0	16000
65.0	3000014	G64T5L	Single Pin	220.0	0.425	1572.0	61.89	15.0	0.59	253.7	33.0	16000
		T5 - Single Pin Base - Ozone										
39.0	3000011	G36T5VH	Single Pin	120.0	0.425	860.0	33.86	15.0	0.59	253.7	16.0	16000
65.0	3000242	G64T5VH	Single Pin	220.0	0.425	1554.0	61.18	15.0	0.59	253.7	25.0	9000
		T5 - 4-Pin Base										
14.0	3000348	G14T5L/4P	4-Pin	40.0	0.425	287.0	11.30	15.5	0.61	253.7	3.0	8000
22.0	3000350	G22T5L/4P	4-Pin	62.0	0.425	436.0	17.16	15.5	0.61	253.7	7.0	8000
39.0	3000343	GPH36T5L/4P	4-Pin	115.0	0.425	846.0	33.31	15.5	0.61	253.7	13.0	9000
		T5 - 4-Pin Base - Quartz										
16.0	3000425	G10T5L/4P	4-Pin	55.0	0.425	357.0	14.06	15.0	0.59	253.7	5.7	9000

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 and output.
Lamp data is for reference only. Actual lamp performance depends on system design and operating conditions.

Discontinued - For Reference Only

WARNING! Dangerous ultraviolet radiation!

Protect your eyes and skin when operating Ultraviolet lamps. Equipment should be designed to completely screen or filter UV-C radiation from direct human or animal exposure. For professional use only: UV-C can degrade or cause photochemical effects on inorganic and organic materials including plastics, wire insulation, and rubber.

⚠ **CALIFORNIA PROPOSITION 65 WARNING:** These products can expose you to Mercury, which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information, please go to: www.p65warnings.ca.gov.

Hg contains mercury
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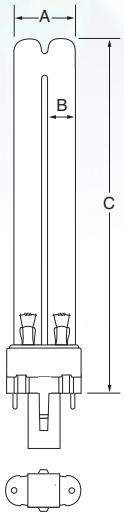
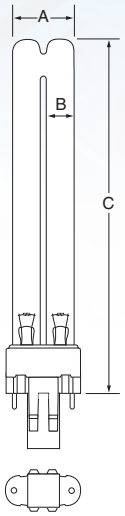
Manage in Accord with Disposal Laws
www.lamprecycle.org 1-800-895-8842

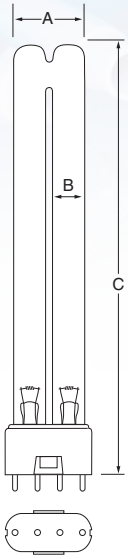
SPECIFICATIONS



G23 Base



GX23 Base



2G11 Base

Watts (W)	Ordering Code	Lamp Description	Base	Volts (V)	Lamp Current (A)	Dimensions Length (A) (mm)	Length (A) (in)	Diameter (B) (mm)	Diameter (B) (in)	Length (C) (mm)	Length (C) (in)	Spectral Peak (nm)	UV Output (W)	Avg Rated Life (h)
		T4												
5.5	3000321	GPX5	G23	35	0.180	28.0	1.10	13.0	0.51	85.0	3.35	253.7	1.2	8000
9.0	3000304	GPX9	G23	59	0.180	28.0	1.10	13.0	0.51	145.0	5.71	253.7	2.4	8000
13.4	3000323	GPX13	GX23	59	0.285	28.0	1.10	13.0	0.51	170.0	6.69	253.7	3.6	8000
		T6												
18.0	3000324	GPL18K	2G11	58	0.375	40.0	1.57	20.0	0.51	225.0	8.86	253.7	5.5	8000
36.0	3000339	GPL36K	2G11	106	0.435	40.0	1.57	20.0	0.51	415.0	16.33	253.7	12.0	8000

Average lamp life and output measurements taken under laboratory conditions in open air.
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