

# USHIO

## ULTRAVIOLET LAMPS

### UV AMALGAM



### LOW-PRESSURE UV AMALGAM LAMPS

USHIO offers two types of low-pressure Amalgam lamps. These lamps have a special coating that allows for transmission at 254nm only or 254nm and 185nm for ozone production.

The low-pressure Amalgam lamps achieve ten times the UV power density of standard low-pressure lamps and five times more ozone production while operating at a higher temperature than conventional low-pressure Mercury lamps.

The higher efficiency of the Amalgam lamps allows less lamps per system or lower wattage lamps in the system while achieving the same results as standard low-pressure Mercury lamps.

Amalgam lamps use less mercury than standard low-pressure mercury lamps and are RoHS compliant. Life time of the Amalgam lamps are in excess of 12,000 hours with only a 20% degradation in output.

### FEATURES & BENEFITS

- 254nm UVC output
- 254nm and 185nm output for ozone production
- Low Mercury dose for RoHS compliance
- Long Life – Up to 12,000 hours
- Flexible designs
- Increased operating temperature range
- Short warm-up time
- High lamp efficiency

### APPLICATIONS

- Industrial Water Treatment
- Commercial Water Treatment
- Cooling Tower Water Conditioning
- Air Disinfection
- Sewage Treatment

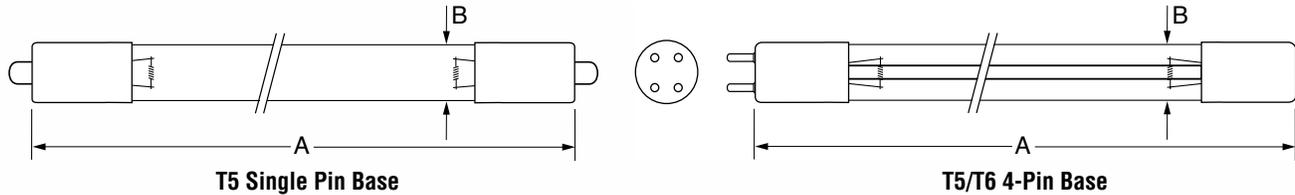
Distributed by:

# USHIO

## CHARACTERISTICS & SPECIFICATIONS

### UV AMALGAM

All dimensions are in millimeters



Customer specified length and base available.  
Available in ozone (185nm output) and non-ozone (254nm output) versions.

USHIO Lamp Description	Dimensions		Watts (W)	Current (A)	UV Output Total Watt @ 254nm	Avg* Life (h)
	Length (A) (mm)	Dia (B) (mm)				
<b>T5 SINGLE PIN BASE - Instant Start (Ozone)</b>						
GA80T5	559	15	80	1.5	24	10000
GA100T5	711	15	100	1.5	30	10000
GA120T5	860	15	120	1.5	35	10000
GA130T5	965	15	130	1.5	38	10000
GA170T6	1120	19	170	2.0	60	12000
GA200T5	1553	15	200	1.5	72	12000
GA215T5	1524	15	215	1.55	61	12000
GA250T5	1829	15	260	1.55	70	12000
GA320T6	1554	19	320	2.0	108	12000
GA350T8	1554	25	350	2.9	132	12000
GA400T10	1539	28	400	3.5	140	12000

\*Based on maximum 1 cycle per day using Fulham ballast for SP lamps and maximum 1 cycle per day using UV-Technik ballast with pre-heat for 4P lamps.

15mm "T5" LAMPS AVAILABLE IN SINGLE PIN (INSTANT START) VERSION

Lamps available with different mounting bases.

Lamps available for single end mounting or double end mounting.

Standard lamp is optimized for 254nm applications.

LAMPS AVAILABLE IN FUSED OR SYNTHETIC QUARTZ FOR 185nm APPLICATIONS

Lamp lifetime is based on 80% of initial output at stated average life.

### POWER SUPPLIES

	Power Supply Type	Lamp Wattage (W)	Lamp Current (A)	Lamp Type
<b>UV Technik</b>	<b>FEATURES: Adjustable Output, Preheat</b>			
	DVG500-1	230-500W	3.8A	T10
	DVG500-2	150-320W	2.9A	T8
	DVG200	40-200W	1.5-2A	T5/T6
<b>Fulham</b>	<b>FEATURES: Instant Start</b>			
	Sunhorse	200-400W	1.5A	T5



Scan with a smartphone to view this product online.

(Hg) - LAMP CONTAINS MERCURY  
Manage in Accord with Disposal Laws  
See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-895-8842

Form No. S-UVAMAL-1013

The specifications on this sheet supercede all previously published specifications and may be subject to change for design and specification improvement without prior notice.