



LAMP Low Pressure, PenRay®

Cold cathode, low pressure, mercury arc, gaseous discharge lamps made of double-bore quartz. Lamp power consumption is 5.5 or 15 watts, with principal output at 254 nanometers. Lamps are rated for 5000 hours of operation.

Note: Lamp comes with 90-day warranty. CE rated.

Power Supply						Lamp							
Input Voltage	Input Freq.	Starting Voltage, Vac	Max. Lamp Voltage, Vac	Dim., mm	Order Code	Lighted Length, mm	Overall Length, mm	Quartz O.D., mm	Handle O.D., mm	Cord Length, mm	Starting Voltage, Vac	Operating Voltage, Vac	Order Code
115 Volt Environments													
115	60	2300	300	160x94x53	12132-30	53.8	117.3	6.5	9.5	406	800	270	12132-08
						228.6	294.6	9.5	12.7		640	560	12132-15
230 Volt Environments													
230	50/60	2800	300	117x147x97	12132-35	228.6	294.6	9.5	12.7	406	640	560	12132-15
230	50/60	2300	300	160x94x53	12132-502	53.8	117.3	6.5	9.5	406	800	270	12132-08



LAMP Medium Pressure ★

Medium pressure, quartz, mercury-vapor lamp. For use in all listed immersion wells. 61cm PTFE covered lead wires, fitted with pin type connectors and 6' cord for connecting to power supply, permit lowering lamp into well for vertical operation. Of total energy radiated, approximately 40-48% is in the ultraviolet portion of the spectrum, 40-43% in the visible, the balance in the infrared. For replacement cord, see 9698-10. If used with our 7835 absorption sleeve product family, Ace recommends the metal-ended lamps.

Watts	Lamp Volts	Lamp Amps	Arc Length, mm	Distance from Lamp to Bottom, mm	Approx. Total Length, mm	Order Code	Replacement Cord Only
Not Insulated, Metal-Ended							
100	90-110	1.2	69.85	42.86	155.58	7825-30	★ 9698-10 ★
200	110-130	1.9	121.92	64.52	250.95	7825-32	★ 9698-10 ★
450	125-145	3.6	131.50	56.50	244.35	7825-34	★ 9698-10 ★
450	125-145	3.6	279.40	57.15	400.05	7825-35	★ 9698-10 ★
550	140-150	4.5	109.54	57.15	236.54	7825-36	★ 9698-10 ★
1200	270-300	4.7	317.50	87.38	492.25	7825-40	★ 9698-10 ★
Ceramic Insulated							
100			69.85		155.58	7825-300	★ 9698-10 ★
200			121.92		250.95	7825-320	★ 9698-10 ★
450			121.92		244.35	7825-340	★ 9698-10 ★
450			279.40		400.05	7825-350	★ 9698-10 ★
550			109.54		236.54	7825-360	★ 9698-10 ★
1200			317.50		492.25	7825-400	★ 9698-10 ★

Warranty: One year from date of shipment (WHEN USED UNDER NORMAL CONDITIONS WITH ACE EQUIPMENT).
Typical lamp life 1000 hrs.

CAUTION:
Ultra-violet radiation is permanently damaging to the retina of the eye. Never operate lamp where it can be viewed directly.

Spectral Characteristics (Watts)

Lamp No.	Far U.V 2200-2800A	Middle U.V 2800-3200A	Near U.V. 3200-4000A	Visible 4000-6000A	Infrared 10000-14000A	Total Radiated Energy
7825-30	1.14	1.97	1.53	4.73	2.12	11.49
7825-32	2.88	4.14	3.46	10.6	4.1	25.18
7825-34	27.0	28.7	28.0	75.7	16.4	175.8
7825-35	27.0	28.7	28.0	75.7	16.4	175.8
7825-36	29.2	32.8	32.9	87.2	20.6	202.7
7825-40	116.15	117.01	104.03	187.07	48.68	572.9

FOR SAFETY:

We recommend use of Safety Reaction Cabinet (7836) plus Water-Flo Monitor (12168) when operating these lamps.