

ASLI xenon arc lamp test chamber



xenon arc lamp test chamber

application:

Xenon arc lamp test chamber is a comprehensive climate testing machine, it can do climatic aging test, and also can do fading acceleration test under color effect or color changed. The test range including: dying and finishing, printing, leather, plastic, plyglass, painting, textile, printing ink, rubber and also the industry relative color. Light fastness and fade grade can be known in short time. Those materials exposed at simulated sunlight to evaluated the material's light fastness performance. To simulate and strengthen the test according to light energy, temperature, rain fall or condensation, humidity, .etc these main climate factors. Adopt simulated sunlight spectrum's Xenon arc light to create destructive waves under different environment. It can be used for choosing new materials, improving existing materials, or assessment of durability change after material composed.

xenon arc lamp test chamber technical parameters:

Model	XL - 1000	
Internal Dimension WxHxD (mm)	900x900x900	
External Dimension WxHxD (mm)	1500x2000x1400	
Tube Using Life (H)	1500	
Tube Power	1KW/6KW	
Illumination Intensity	340nm	Full spectrum

	0.4~1.5w/m ²	1200±200w/m ²
Lighting Filter Type	Inner filter	Quartz
	Outer filter	Quartz
Simulated Test Status		Test samples: Explore under outer space
Cooling System	Water cooled or wind cooled	
Temperature Control Range of the Test Cabinet	RT+15 degree ~80 degree	
Humidity Control Rang of the Test Cabinet	30%R.H.~98%R.H.	
Rotating Speed of the Samples Holder(RPM)	1~5 adjustable	
Diameter of Sample Shelf(mm)	500±50	
Sunlight Exposure Cycle	0.01~999 hours 59mins	
Raining Period/ Time	Raining Period:1~240mins,discontinuous-type, adjustable	
	Raining Time:1~9999mins, adjustable, water spray pressure 70~130Kpa	
Spray water flow(L/min)	1~2.4	
Explore Area(cm2)	7500	
Power	AC 380 V(±10%),50/60HZ ,3φ 5 Lines	

xenon arc lamp test chamber features:

1. Advanced design technology and concept,
2. Excellent technology of producing and outstanding system of quality management,
3. Xenon lamp tester can be the most realistic simulated solar spectrum, including ultraviolet, visible and infrared.
4. Be tested in the range of the full spectrum, necessary for most textile sun and color fastness test.
5. To determine the color fastness and aging to sunlight, weather resistance, etc.



The image shows a large, industrial-grade UV/Xenon Climate Resistant Test Chamber. The chamber is a light-colored metal cabinet with a large front door that is open to the left, revealing the interior. Inside, a black ball is suspended from the top by a yellow wire. The chamber has a control panel on the right side with a digital display and several buttons. The background is a light blue gradient with a faint 'ASLI' watermark.

UV/XENON Climate Resistant Test Chamber

- Can record the temperature, humidity, arc light voltage, arc light current, BT black ball temperature and arc light in the same time.
- 999H is adjustable
- BT black ball temperature digital display, damper regulator can be controlled for stable of black ball's temperature.
- Unique NEW design
- All data use digital display for long time management.
- Adopt carbon arc Intensity detector, to keep the wave length in standard range.

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Short introduction about ASLi factory:

We are a long history testing equipment manufacturer, in the past 28 years, we devoted to simulation environmental testing equipment and Mechanical vibration and shock testing machine. xenon arc lamp test chamber is our star products , and we had obtained the CE certification for this machine