

EYE SUN-CUBE® Xenon

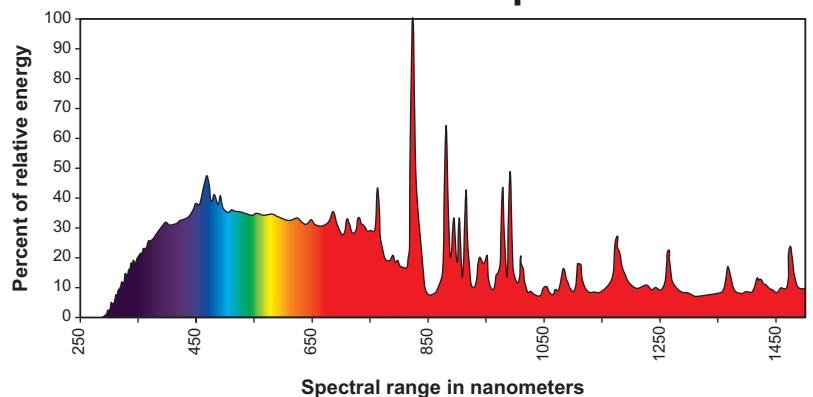
1-Sun Xenon Tabletop Test Chamber



Lightfastness, Weathering & Photostability

- Equipped with a xenon light source that approximates natural light
- Illuminance control through manual adjustment
- Spectral emission spectrum conforms to JIS C 8912 (Class A) Others Meets JIS K 5600-7-7 (daylight), ISO 11341:2004, JISK 7350-2 (daylight), ISO 4892-2:2006
- Simple, intuitive design and operation

EYE SUN-CUBE Spectrum












Applications

- Lightfastness test of materials such as paints, coatings, polymers, resins, films, ink, various liquids, fabrics, fibers, electronic parts
- Material evaluation for degradation, corrosion, solar exposure

EYE SUN-CUBE® Xenon

Model	SCX 400 / 1-1 (EYE SUN-CUBE® Xenon)
Lamp type	Full Spectrum Xenon lamp (EX 500 - 1)
Filter	UVIR filter
Dimming	50%-100%, 250W to 500W (rated 400W)
Average Irradiance¹	6.0 mW / cm ² , maximum 9.4 mW/cm ² (4-sun)
Irradiation area²	≈ 100 mm ² (4 in ²)
Uniformity	90% or more (over target)
Test timer duration	0 to 9,999 hr
Sample cooling	Circulating fan
Input power	960 VA (MAX)
Input voltage³	AC 100V (common for 50 Hz / 60 Hz)
Input current	9A
Outer diameter size (W x D x H)	450 mm x 500 mm x 872 mm (17.72 in x 19.7 in x 34.3 in)
Internal dimensions (W x D x H)	446 mm x 396 mm x 500 mm (17.6 in x 15.6 in x 19.7 in)
Body weight	46 kg (101 lbs)

¹ Measured by radiometer UVP365- Xe 01 | ² Sample base size ≈ 200 mm² | ³ Requires 2000W stepdown transformer for North America

SUN-CUBE Samples Material sample color change results at three different intervals		0hr	600hr	1250hr
PVC				
Color (ΔE)	0	2.1	10.0	
PC				
Color (ΔE)	0	5.1	10.8	
ABS				
Color (ΔE)	0	11.1	26.8	

Continuous Irradiance 60W/m²