



**Lamps:** A full-UV, focused xenon lamp (supplied) is required for solar simulation. The full-UV lamp irradiates from 200 nm into the near IR region and requires a safe exhaust system.

See manufacturer's specification sheet for detailed information.

**Filters:** For solar simulation, Luzchem SSR proprietary filters are used:

- One 2" x 2" square filter placed at the top of the chamber (in the filter holder)
- One 6" x 6" square filter placed on a stand 3" above the chamber floor.

The filter combination simulates the AM 1.5 solar spectrum between 300-700 nm.

### Options Included:

Option	Specifications
Safe exhaust	<ul style="list-style-type: none"><li>• Material: galvanized aluminum</li><li>• Exhaust tube provided: 4" diameter, max length: ~ 8'</li><li>• Built-in fan: 3100 RPM, Airflow: 110 CFM</li></ul>
UV protecting goggles	<ul style="list-style-type: none"><li>• Yellow safety goggles, with 400 nm cut-off</li></ul>
Shutter	<ul style="list-style-type: none"><li>• Material: reflective aluminum</li><li>• Manual operation</li><li>• Automatic operation with use of the digital timer</li></ul>
Digital countdown timer	<ul style="list-style-type: none"><li>• Factory preset</li><li>• Allows unattended exposure times from 1 min to 99 hrs, 99 min</li></ul>
Gas inlet	<ul style="list-style-type: none"><li>• Rear mounted bulkhead gas connector</li><li>• Only recommended for non-flammable, non-toxic gases</li><li>• Gas should not dissipate in the chamber, should be used with environmental chamber only.</li></ul>
Hour Meter	<ul style="list-style-type: none"><li>• Built-in to the unit</li><li>• Keeps track of the number of hours the unit has been in operation</li></ul>

Toll Free: 1-800-397-0977  
Phone: (613) 749-2442  
Fax: (613) 749-2393  
E-mail: [sales@luzchem.com](mailto:sales@luzchem.com)

**Luzchem Research, Inc.**

Website: [www.luzchem.com](http://www.luzchem.com)

Luzchem Research Inc.  
5509 Canotek Road, Unit 12  
Gloucester, ON K1J 9J9  
Canada