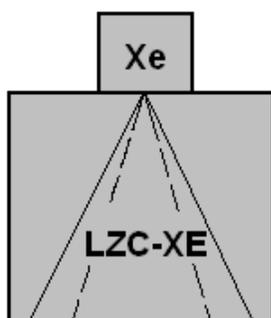

Luzchem Photoreactor Model LZC-XE

Luzchem's LZC-XE photoreactor is a basic xenon photoreactor model based on a high performance air-cooled 175 Watt ceramic xenon lamp. The LZC-XE model includes a shutter, a pair of safety goggles and a filter adapter. The LZC-XE photoreactor can be supplied with either a full-UV or ozone free lamp, with a focused or parallel beam.



Configuration:



The LZC-XE photoreactor utilizes a ceramic xenon lamp placed at the top of the photoreactor chamber.

Unit Specifications:

| | |
|-----------------------------|--|
| Dimensions: | <i>External:</i> 18" wide, 13.75" deep and 26" high (46 x 35 x 66 cm) <i>Internal:</i> 12" wide, 12" deep and 8.5" high (30 x 30 x 22 cm) |
| Weight: | 31 lbs. / 14 kg |
| Beam diameter: | At base: ~ 6.5" without diffuser, 12" with diffuser. |
| Power Rating: | 110 or 220 VAC, 50/60 Hz cycle, 6 Amps Ships with North American-style power cable |
| Housing Material: | <i>External:</i> Stainless Steel <i>Internal (chamber):</i> Al 5052-H32 (aluminum alloy) |
| Ambient Temperature: | Must be between 10 °C and 35 °C |
| Chamber Temperature: | Maintained to 3-4 °C above room temperature |
| Humidity: | Must be between 0% and 95% (non-condensing) |

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Lamps: Full-UV lamps irradiate from 200 nm into the near IR region and require a safe exhaust system. Ozone free lamps eliminate wavelengths below 320 nm and can be vented into the laboratory atmosphere.

See manufacturer's specification sheets for more information regarding the xenon lamps.

Options Included:

| Option | Specifications |
|-----------------------|--|
| Shutter | <ul style="list-style-type: none">• Material: reflective aluminum• Manual operation (can be controlled automatically if LZC-TIM option is installed) |
| Diffuser | <ul style="list-style-type: none">• Material: BK7 glass, sandblasted• Dimensions: 2" x 2" square, 1/16" thick (fits in filter holder) |
| Gas Inlet | <ul style="list-style-type: none">• Rear mounted bulkhead gas connector• Only recommended for non-flammable, non-toxic gases• Gas should not dissipate in the chamber, should be used with environmental chamber only. |
| Hour Meter | <ul style="list-style-type: none">• Built-in to the unit• Keeps track of the number of hours the unit has been in operation |
| Safe exhaust | <ul style="list-style-type: none">• Material: galvanized aluminum• Exhaust tube provided: 4" diameter, max length: ~ 8'• Built-in fan: 3100 RPM, Airflow: 110 CFM |
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| UV Protecting Goggles | <ul style="list-style-type: none">• Yellow safety goggles, with 400 nm cut-off |

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