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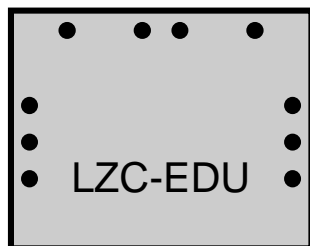
## Luzchem Photoreactor Model LZC-EDU

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Luzchem's LZC-EDU photoreactor is designed for use in an educational environment. It is configured with 10 lamps (3 on each side and 4 on top) and is supplied with 10 UVA lamps, a portable carousel for up to 16 tubes, a portable turntable, a digital timer, safety shut-down, spillage control and a selection of experiments exemplifying organic synthesis, chemical kinetics, photobiology, environmental chemistry, coatings and lithographic applications.



### Configuration:



The LZC-EDU photoreactor is equipped with 4 top lamps, and 6 side lamps.

### Unit Specifications:

<b>Dimensions:</b>	<i>External:</i> 18" wide, 15.5" deep and 16.5" high (46 x 39 x 42 cm) <i>Internal:</i> 12" wide, 12" deep and 8.5" high (30 x 30 x 22 cm)
<b>Weight:</b>	28 lbs. / 13 kg
<b>Power Rating:</b>	110 VAC/220VAC, 50/60 Hz cycle, 3 Amps Ships with North American-style power cable
<b>Housing Material:</b>	<i>External:</i> Stainless Steel <i>Internal (chamber):</i> Al 5052-H32 (aluminum alloy)
<b>Ambient Temperature:</b>	Must be between 10 °C and 35 °C
<b>Chamber Temperature:</b>	Maintained to 3-4 °C above room temperature
<b>Humidity:</b>	Must be between 0% and 95% (non-condensing)

### Luzchem Research, Inc.

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

5509 Canotek Road, Unit 12  
Ottawa, Ontario  
Canada K1J 9J9  
www.luzchem.com

**Lamps:** The LZC-EDU photoreactor package includes a complete set of UVA lamps (10 bulbs). See separate sheet for lamp specifications.

**Options Included:**

<b>Option</b>	<b>Specifications</b>
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>
Cooling Fan	<ul style="list-style-type: none"><li>• Built-in fan: 3100 RPM, Airflow: 110 CFM</li></ul>
Safety Interlock	<ul style="list-style-type: none"><li>• Turns off lamps when door is open</li><li>• Indicator LED's signal if the door is open and if power is running to the lamps</li></ul>
UV Protecting Goggles	<ul style="list-style-type: none"><li>• Yellow safety goggles, with 400 nm cut-off</li></ul>
Luzchem Educational Website access	<ul style="list-style-type: none"><li>• The website provides full experiment details, additional notes for instructors, and answers to the questions following each experiment.</li></ul>

\* Portable carousel and turntable run on the same motor, which requires two C-Cell batteries

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