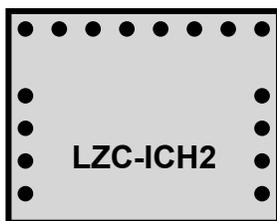

Luzchem Photoreactor Model LZC-ICH2

Luzchem's LZC-ICH2 photoreactor model is certified for ICH compliance under option 2. The package includes complete sets of UVA and visible lamps, power meter, turntable and carousel (to equalize exposure), digital timer, temperature control, recessed magnetic stirrer for stress tests, bulkhead connector for gasses, safety goggles and a safe exhaust system.



Configuration:



The LZC-ICH2 photoreactor is equipped with 8 top lamps, and 8 side lamps.

Unit Specifications:

Dimensions:	<i>External:</i> 18" wide, 21" deep (with exhaust) and 16.5" high (46 x 53 x 42 cm)
	<i>Internal:</i> 12" wide, 12" deep and 8.5" high (30 x 30 x 22 cm)
Weight:	36 lbs. / 16 kg
Power Rating:	110 VAC, 50/60 Hz cycle, 4 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)

Lamps: The LZC-ICH2 photoreactor package includes complete sets of UVA and visible lamps (16 of each). See separate sheet for lamp specifications.

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

Options Included:

Option	Specifications
Digital Countdown Timer	<ul style="list-style-type: none">• Factory preset• Allows unattended exposure times from 1 min to 99 hrs, 99 min
Temperature Control	<ul style="list-style-type: none">• Sensor type: RTD• Operating temperature(ambient): -10 to 50 °C• Display: LCD• Min. set temperature: 3 °C above room temperature• Max. set temperature: 50 °C
Built-in Drive	<ul style="list-style-type: none">• Can support the Luzchem carousel and turntable• Speed: adjustable• Max speed: 7 RPM
Carousel	<ul style="list-style-type: none">• Can hold test tubes of up to 16 mm in diameter.• Diameter: 5"• Bottom plate height: 1 in. above chamber floor• Can hold 16 tubes
Turntable	<ul style="list-style-type: none">• Diameter: 9 3/16 mm• Height: 1 in. above chamber floor
Magnetic Stirrer	<ul style="list-style-type: none">• Speed: adjustable• Min speed: 100 RPM• Max speed: 1000 RPM• Max volume that can be stirred: 0.26 gallons (1L)• Magnet not included
Power Meter	<ul style="list-style-type: none">• Calibration factor for visible light provided by manufacturer• Calibration factor for Luzchem LZC-UVA lamps provided by Luzchem• Requires 9 V transistor type battery (one provided)• Display: 3.5" LCD• Sampling time: 0.4 sec• Operating temperature: 0 - 50 °C at a maximum of 80% relative humidity
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
Safety Interlock	<ul style="list-style-type: none">• Turns off lamps when door is open• Indicator LED's signal if the door is open and if power is running to the lamps
UV Protecting Goggles	<ul style="list-style-type: none">• Yellow safety goggles, with 400 nm cut-off

Updated May 2015

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