

# CONTRACTOR SERIES

BUILT TO LAST

LUMINOR™  
**BLACKCOMB**



## RUGGED & DURABLE UV WATER TREATMENT SYSTEMS

**MODELS: LBC4-101, LBC4-151,  
LBC4-R1, LBC4-R2**

Intended for easy, do-it-yourself installation, a BLACKCOMB LBC4 system can be installed on the home's main water line at the point-of-entry, treating all the water coming into the home.

Designed to effectively treat flow rates from 8 to 15 gpm, LUMINOR's axial flow and rack systems offer the quality, flexibility and convenience that you require for all of your residential and light commercial applications.

### PRODUCT FEATURES

- 10 and 15 gpm axial flow system, 8 and 15 gpm rack system with single 10" and 20" sump
- 304 SS LPHO-based system (LPSO on LBC4-R1)
- Integral lamp life monitor, with both audible and visual indication of lamp life
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life
- Constant current electronic controller in a splash proof case
- 110-230V/50-60Hz.

**LBC4-10 series**, for flow rates of 10 gpm (38 lpm)  
**LBC4-15 series**, for flow rates of 15 gpm (57 lpm)  
**LBC4-R1 series**, for flow rates of 8 gpm (30 lpm)  
**LBC4-R2 series**, for flow rates of 15 gpm (57 lpm)

#### MANUFACTURER'S WARRANTY

**REACTORS**—Ten (10) year Limited Warranty

**ELECTRONICS**—Three (3) year Limited Warranty

**UV LAMPS**—One (1) year Limited Warranty

**QUARTZ SLEEVES**—One (1) year Limited Warranty



See [luminoruv.com](http://luminoruv.com) for complete warranty document, including conditions and exclusions.

## EQUIPMENT SPECIFICATIONS

Model	LBC4-101	LBC4-151	LBC4-R1	LBC4-R2
Flow Rate (30mJ/cm <sup>2</sup> @ 95% UVT)	10 GPM	15 GPM	8 GPM	15 GPM
	37.9 lpm	56.8 lpm	30.3 lpm	56.8 lpm
	2.3 m <sup>3</sup> /hr	3.4 m <sup>3</sup> /hr	1.8 m <sup>3</sup> /hr	3.4 m <sup>3</sup> /hr
Filter Housing	N/A	N/A	5 micron sediment <b>LC-10S</b>	5 micron sediment <b>LC-20S</b>
Port Size	1"MNPT			
Electrical	90-265V/50-60Hz.			
Plug Type	North American, Nema 5-15 European, CEE 7/7, "2" suffix (i.e. LBC4-102)		North American, Nema 5-15 European, CEE 7/7, "-2" suffix (i.e. LBC4-R1-2)	
	British Standard, BS 1363, "3" suffix (i.e. LBC4-103)		British Standard, BS 1363, "-3" suffix (i.e. LBC4-R1-3)	
	Australian/New Zealand, AS/NZ 3112, "4" suffix (i.e. LBC4-104)		Australian/New Zealand, AS/NZ 3112, "-4" suffix (i.e. LBC4-R1-4)	
Lamp Watts	34	45	20	45
Power (Watts)	38 (36 @ 230V)	57 (48 @ 230V)	23 (21 @ 230V)	57 (48 @ 230V)
Maximum Current (amps)	1	1	1	1
Replacement Lamp	RL-330HO	RL-420HO	RL-420	RL-420HO
Replacement Sleeve	RQ-330	RQ-420	RQ-420	
Replacement Controller	RCHO-4.12		RC-B4.01	RCHO-4.12
Chamber Material	Polished 304 stainless steel, A249 pressure rated tubing			
Reactor Dimensions	3.5 x 16.5" (8.9 x 41.8cm)	3.5 x 20.0" (8.9 x 50.8cm)	3.5 x 20.0" (8.9 x 50.8 cm)	
Controller Dimensions	8.6 x 4.2 x 4" (21.7 x 10.8 x 10.2 cm)		6.8 x 3.6 x 4" (17.2 x 9.2 x 10.2 cm)	8.6 x 4.2 x 4" (21.7 x 10.8 x 10.2 cm)
Operating Pressure	0.7-10.3 bar (10-150 psi)		0.7-8.3 bar (10-120 psi)	
Operating Water Temp.	2-40° C (36 - 104°F)			
Lamp Change Reminder	YES (4-digit LED display)			
Visual Lamp Out Indicator	YES			
Audible Lamp Out Indicator	YES			
Shipping Weight	5.4 kg (11.9 lbs)	6.0 kg (13.2 lbs)	11.3 kg. (25 lbs.)	12.4 kg. (27.4 lbs.)

**Contractor Series pricing is based on:**  
**10 piece minimum order for LBC4-101 and LBC4-151 systems;**  
**5 piece minimum order for LBC4-R1 and LBC4-R2 systems.**

## CONDITIONS FOR USE

Your system will provide years of use provided the system is maintained on a regular basis as per the specifications outlined in the Owner's Manual. For the system to perform as tested, the following water quality parameters must be met.

PARAMETER	LEVEL
Hardness	< 120 mg/L (7 gpg)
Iron (Fe)	< 0.3 mg/L (ppm)
Manganese (Mn)	< 0.05 mg/L (ppm)
Tannins	< 0.1 mg/L (ppm)
Turbidity	< 1 NTU
Transmittance	> 75% UVT

For levels outside those specified in the table above, please contact the factory for further technical assistance.



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