

BLACKCOMB^{4.0}

Models LB4-031, LB4-032, LB4-061, LB4-062, LB4-101, LB4-102, LB4-201, LB4-202



CONTROL YOUR OWN WATER QUALITY!

If you are unsure of the microbiological quality of your source water or if you are looking for additional security from your municipal water source, then LUMINOR has the solution in the BLACKCOMB^{4.0} series of residential UV systems.

UV technology is proven to control microbiological (bacteria & virus) issues in water including *E.coli*, *Cryptosporidium* and *Giardia lamblia*.

Designed for easy do-it-yourself installation, a BLACKCOMB^{4.0} system can be installed on a single tap, or for even greater protection of the home's drinking water, installed at the point-of-entry, thereby treating all the water coming into the home!

Product Features

- Single end, 304 stainless steel, polished reactors
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm²
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)
- True gland seal retaining nut with positive stop
- Reliable, industry proven low pressure (LP) coated UV lamps with ceramic bases for durability and a 9,000 hour life (1 year)
- Constant current electronic controller (one controller for all systems) in a splash-proof case with audible and visual lamp failure indicators

The safety of the water supply in your home should be the most important issue in a healthy lifestyle

Available Systems

Point-of-Use (POU)

LB4-031, LB4-032 for flow rates of 12 lpm (3 gpm)

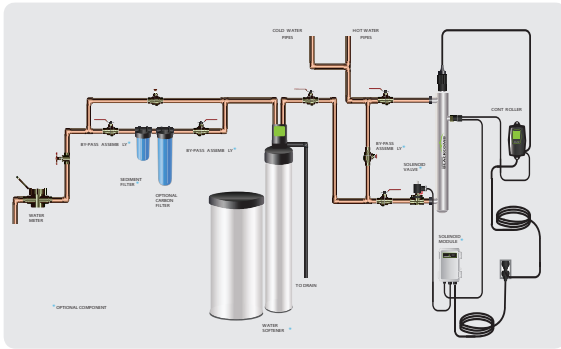
Point-of-Entry (POE)

LB4-061 LB4-062, for flow rates of 22 lpm (6 gpm)

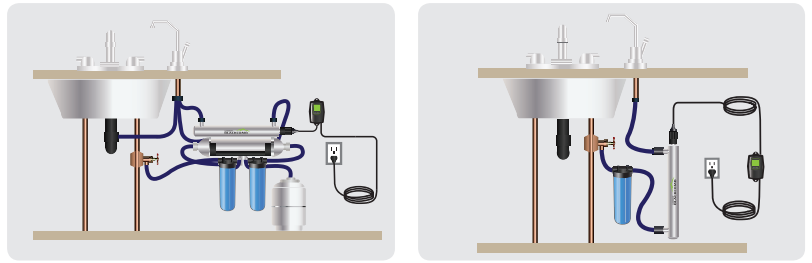
LB4-101 LB4-102, for flow rates of 41 lpm (10 gpm)

LB4-201 LB4-202, for flow rates of 79 lpm (20 gpm)

Typical POE Installations



Typical POU Installations



BLACKCOMB^{4.0} - Equipment Specifications

BLACKCOMB^{4.0}, Residential UV Systems, Non-Monitored

Model	LB4-031	LB4-032	LB4-061	LB4-062	LB4-101	LB4-102	LB4-201	LB4-202
Flow Rate (@16mJ/cm ²)	6.1 GPM	11 GPM	20 GPM	39 GPM				
	23 µpm	42 µpm	77 µpm	150 µpm				
	1.4 m ³ /hr	2.5 m ³ /hr	4.6 m ³ /hr	8.9 m ³ /hr				
Flow Rate (@30mJ/cm ²)	3.1 GPM	5.8 GPM	11 GPM	21 GPM				
	12 µpm	22 µpm	41 µpm	79 µpm				
	0.7 m ³ /hr	1.3 m ³ /hr	2.5 m ³ /hr	3.6 m ³ /hr				
Flow Rate (@40mJ/cm ²)	2.4 GPM	4.4 GPM	8.2 GPM	16 GPM				
	9.1 µpm	17 µpm	31 µpm	59 µpm				
	0.5 m ³ /hr	1.0 m ³ /hr	1.9 m ³ /hr	3.6 m ³ /hr				
Port Size	½" MNPT	¾" MNPT	¾" MNPT	1" MNPT				
Electrical	110V/50-60Hz	220V/50-60Hz	110V/50-60Hz	220V/50-60Hz	110V/50-60Hz	220V/50-60Hz	110V/50-60Hz	220V/50-60Hz
Plug Type	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"
Lamp Watts	15	22	39	42				
Power (Watts)	20	30	49	51				
Chamber Material	304 Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated							
Reactor Dimensions	2.5 x 13.5" (6.4 x 34.2cm)	2.5 x 20.5" (6.4 x 52.2cm)	2.5 x 34.3" (6.4 x 87.2cm)	3.5 x 36.1" (8.9 x 91.7cm)				
Controller Dimensions	6.8 x 3.6 x 3" (17.2 x 9.2 x 7.6cm)							
Maximum Operating Pressure	8.6 bar (125 psi)							
Operating Temperature Range	2-40° C (36-104° F)							
Visual Lamp-Out Indicator	Yes							
Audible Lamp-Out Alarm	Yes							
Shipping Weight	3.5 kg (7.7 lbs)	4.0 kg (8.9 lbs)	6.6 kg (14.6 lbs)	7.3 kg (16.1 lbs)				

Manufacturer's Warranty

LUMINOR UV systems are covered by the following 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

Please refer to LUMINOR's complete warranty document for specific details, including conditions and exclusions. This document may be found on the web or by contacting LUMINOR directly.

Replacement Parts

System	Lamps	Sleeves	Controller
LB4-031	RL-290	RQ-290	RC-B4.01
LB4-032	RL-290	RQ-290	RC-B4.02
LB4-061	RL-470	RQ-470	RC-B4.01
LB4-062	RL-470	RQ-470	RC-B4.02
LB4-101	RL-820	RQ-820	RC-B4.01
LB4-102	RL-820	RQ-820	RC-B4.02
LB4-201	RL-850	RQ-850	RC-B4.01
LB4-202	RL-850	RQ-850	RC-B4.02



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