

BLACKCOMB-HO^{4.1}

Models LBH4-052, LBH4-102, LBH4-152, LBH4-252, LBH4-402



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-HO^{4.1} series of 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-HO^{4.1} system are typically installed at the point-of-entry, treating all the water coming into the home.

Product Features

- Now available with integral lamp life monitor, with both audible and visual indication of lamp life
- Axial flow, 316L stainless steel polished reactors,
- Visual sight port for "lamp-on" verification
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm²
- True gland seal retaining nut with positive stop
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)
- Reliable, industry proven, proprietary low pressure high output (LP-HO) coated UV lamps with ceramic bases for durability and long life (10,000 hours)
- Constant current electronic controller (one controller for all systems) in a splash proof case, fully potted ballast virtually eliminates common water damage issue
- Audible & visual lamp failure indicators
- New tactile selector button

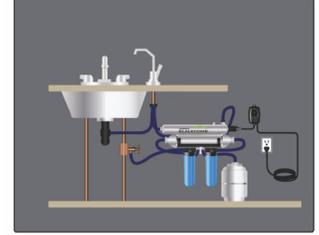
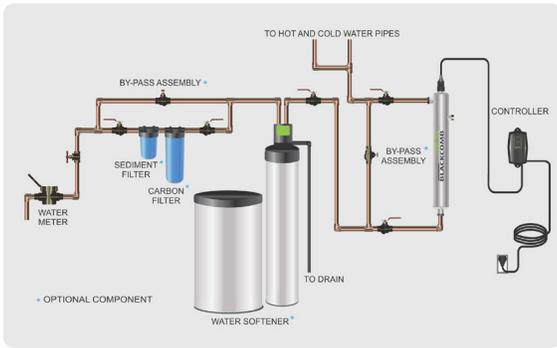


Available Systems

Point-of-Entry (POE)

- LBH4-05 series**, for flow rates of 15.1 lpm (4 gpm)
- LBH4-10 series**, for flow rates of 37.9 lpm (10 gpm)
- LBH4-15 series**, for flow rates of 53 lpm (14 gpm)
- LBH4-25 series**, for flow rates of 95 lpm (25 gpm)
- LBH4-40 series**, for flow rates of 151 lpm (40 gpm)

Typical POE Installations



BLACKCOMB-HO^{4.1} - Equipment Specifications

BLACKCOMB-HO^{4.1}, Residential UV Systems, Lamp countdown

Model	LBH4-052	LBH4-102	LBH4-152	LBH4-252	LBH4-402
Flow Rate (30mJ/cm ² @ 95% UVT)	4 GPM	10 GPM	14 GPM	25 GPM	40 GPM
	15.1 lpm	37.9 lpm	53 lpm	95 lpm	151 lpm
Flow Rate (16mJ/cm ² @ 95% UVT)	1.0 m ³ /hr	2.3 m ³ /hr	3.2 m ³ /hr	5.7 m ³ /hr	9.3 m ³ /hr
	8 GPM	19 GPM	27 GPM	47 GPM	78 GPM
Flow Rate (40mJ/cm ² @ 95% UVT)	30.3 lpm	71.9 lpm	102.2 lpm	178 lpm	295 lpm
	1.8 m ³ /hr	4.3 m ³ /hr	6.1 m ³ /hr	10.7 m ³ /hr	17.7 m ³ /hr
Port Size	3 GPM	7 GPM	11 GPM	19 GPM	31 GPM
	11.4 lpm	26.5 lpm	41 lpm	72 lpm	117 lpm
Electrical	0.7 m ³ /hr	1.6 m ³ /hr	2.5 m ³ /hr	4.3 m ³ /hr	7.0 m ³ /hr
	1/2" MNPT	3/4" MNPT	1" MNPT	1" MNPT	1 1/2" MNPT
Plug Type	90-265V/50-60Hz. American, Nema 5/15, 3 wire for all 110V systems, "1" suffix (i.e. LBH4-101) European, CEE 7/7, 3 wire for all 230V systems, "2" suffix (i.e. LBH4-102) British Standard, BS 1363, 3 wire for all 230V systems, "3" suffix (i.e. LBH4-103) Australian/New Zealand, AS/NZ 3112, 3 wire for all 230V systems, "4" suffix (i.e. LBH4-104)				
Lamp Watts	18	34	45	67	101
Power (Watts)	20 (19 @ 230V)	38 (36 @ 230V)	57 (48 @ 230V)	73 (72 @ 230V)	115 (108 @ 230V)
Chamber Material	316L Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated				
Reactor Dimensions	3.5 x 11.7" (8.9 x 29.8cm)	3.5 x 16.5" (8.9 x 41.8cm)	3.5 x 20.0" (8.9 x 50.8cm)	3.5 x 26.9" (8.9 x 68.3cm)	3.5 x 40.7" (8.9 x 103.4cm)
Controller Dimensions	8.6 x 4.2 x 3.5" (21.7 x 10.8 x 8.9cm)				
Operating Pressure	0.7-10.3 bar (10-150 psi)				
Operating Water Temperature	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	4.5 kg (9.9 lbs)	5.4 kg (11.9 lbs)	6.0 kg (13.2 lbs)	7.2 kg (15.9 lbs)	9.7 kg (21.4 lbs)

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

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 following 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.

Replacement Parts

System	Lamps	Sleeves
LBH4-052	RL-210HO	RO-210
LBH4-102	RL-330HO	RO-330
LBH4-152	RL-420HO	RO-420
LBH4-252	RL-600HO	RO-600
LBH4-402	RL-950HO	RO-950



Twitter.com/LuminorUV



Facebook.com/LuminorUV



Distributed in UAE by **SALAM ENTERPRISES LLC**
 Tel:+971 4 2896289 Fax:+971 4 2896289
 Email:mail@salamenterprisesllc.com
 Website:www.salamenterprisesllc.com

LUMINOR Environmental Inc.
 290 Southgate Drive, Unit 2
 Guelph, Ontario, CANADA N1G 4P5
 P: (519) 837-3800
 TF: (855) 837-3801
 F: (519) 837-3808
 e-mail: info@luminoruv.com
 web: www.luminoruv.com

