# BLACKCOMB-HO4.0

*Models LB4-251, LB4-252, LB4-401, LB4-402*


## 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-HO4.0 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-HO4.0 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!

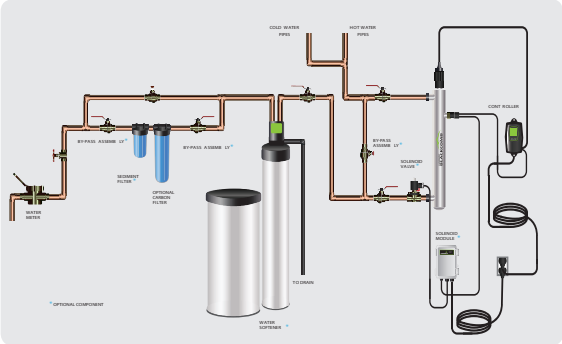
### *Product Features*

- Axial flow, 316L stainless steel, polished reactors, with visual glow plug port
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm$^2$
- 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 high-output (LP-HO) coated UV lamps with ceramic bases for durability and a 10,000 hour life
- Universal input, constant current electronic controller (one controller for all systems) in a splash-proof case with audible and visual lamp failure indicators

### *Available Systems*

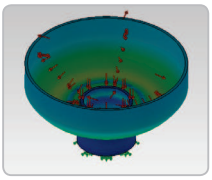
Point-of-Entry (POE)
***LB4-251 LB4-252,*** for flow rates of 100 lpm (25 gpm)
***LB4-401 LB4-402,*** for flow rates of 160 lpm (40 gpm)

## Typical POE Installations



## LUMI-Loc™

Simplify troublesome lamp changes and prevent broken sleeves with LUMI-Loc™. With an effortless ¼ turn of the connector, lamps can be replaced without fumbling with metal clips as in competitive systems.



## FEA

LUMINOR incorporates Finite Element Analysis (FEA) in all their reactor designs. Coupled with ASME (American Society of Mechanical Engineers) pressure vessel standards as the underlying design critera, optimal manufacturing design and techniques can be created for complex shapes and welds.

## BLACKCOMB-HO$^{4.0}$ - Equipment Specifications

**BLACKCOMB-HO$^{4.0}$, Residential Crossover UV Systems, Non-Monitored**

| Model | LB4-251 | LB4-252 | LB4-401 | LB4-402 |
|---|---|---|---|---|
| Flow Rate (@16mJ/cm²) | 47 GPM | | 78 GPM | |
| | 180 lpm | | 290 lpm | |
| | 11 m³/hr | | 18 m³/hr | |
| Flow Rate (@30mJ/cm²) | 25 GPM | | 40 GPM | |
| | 95 lpm | | 160 lpm | |
| | 5.7 m³/hr | | 9.1 m³/hr | |
| Flow Rate (@40mJ/cm²) | 19 GPM | | 31 GPM | |
| | 71 lpm | | 120 lpm | |
| | 4.2 m³/hr | | 7.1 m³/hr | |
| Port Size | 1" MNPT | | 1½" MNPT | |
| Electrical | 110-220V / 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" |
| Lamp Watts | 67 | | 101 | |
| Power (Watts) | 73 | 72 | 115 | 108 |
| Chamber Material | 316L Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated | | | |
| Reactor Dimensions | 3.5 x 26.9" (8.9 x 68.3 cm) | | 3.5 x 40.7" (8.9 x 103.4 cm) | |
| Controller Dimensions | 8.6 x 4.2 x 3.5" (21.7 x 108 x 8.9 cm) | | | |
| Maximum Operating Pressure | 10.3 bar (150 psi) | | | |
| Operating Temperature Range | 2-40° C (36-104° F) | | | |
| Lamp Change Reminder (audible & visual) | Yes | | | |
| Lamp Out Indicator (audible & visual) | Yes | | | |
| Shipping Weight | 6.4 kg (14.0 lbs) | | 7.9 kg (17.4 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 |
|---|---|---|---|
| ***LB4-251*** | RL-600HO | RQ-600 | RCHO-4.12 |
| ***LB4-252*** | RL-600HO | RQ-600 | RCHO-4.12 |
| ***LB4-401*** | RL-950HO | RQ-950 | RCHO-4.12 |
| ***LB4-402*** | RL-950HO | RQ-950 | RCHO-4.12 |

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