

LUMINOR™

BLACKCOMB

RACK SYSTEMS

CONVENIENT ALL-IN-ONE UV/FILTER SYSTEMS

- 8 or 15 gpm.
- All systems include a 5-micron sediment filter.
- Optional filters include carbon, scale reduction and a backwashable filter.



LB4-Z1

LBH5-Z22



LBH5-Z122

LBH5-Z222

PRODUCT FEATURES

- One-piece sump design for leak resistant operation (pressure relief, wrench, and integral hanging clip included with all systems)
- LED lamp countdown (4.1 series)
- Universal mounting configuration for left or right access
- Self-cleaning backwash filter (LBH5-Z122 series)
- Expandability port for future upgrades and options (5.1 series)
- Axial flow, 316L stainless steel polished reactors, fully polished, designed & manufactured to ASME pressure vessel standards
- Reliable, industry proven, coated UV lamps
- Full customization available as an option – language, home screen, phone, QR codes, etc.*



SYSTEMS FEATURE
ONE-PIECE SUMP
FILTER HEAD FOR A
LEAK-RESISTANT DESIGN.



SAMPLE SCREENS



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 for complete warranty document, including conditions and exclusions.



BLACKCOMB RACK-MOUNT UV SYSTEMS

MODEL	LB4-Z1	BEST SELLER		LB4-Z12	LBH4-Z2	LBH4-Z12	BEST SELLER		LBH4-Z222
	LB5-Z1	LB4-Z2	LB5-Z2	LB5-Z12	LBH5-Z2	LBH5-Z12	LBH4-Z22	LBH5-Z22	LBH5-Z222
Flow Rate (30mJ/cm² @ 95% UVT)	8.0 GPM				15.0 GPM				
	30.3 lpm				56.8 lpm				
	1.82 m³/hr				3.4 m³/hr				
1st Filter Housing	5 micron sediment LC-10S	5 micron sediment LC-20S	5 micron sediment LC-10S	5 micron sediment LC-20S	5 micron sediment LC-10S	5 micron sediment LC-20S	90 micron mesh strainer LC-10MS	5 micron sediment LC-20S	
2nd Filter Housing	N/A	N/A	High-capacity carbon LC-20AC	N/A	High-capacity carbon LC-20AC	High-capacity carbon LC-20AC	5 micron sediment LC-20S	Scale reduction LC-20WS	
3rd Filter Housing	N/A	N/A	N/A	N/A	N/A	N/A	High-capacity carbon LC-20AC	High-capacity carbon LC-20AC	
Port Size	1"MNPT								
Electrical	90-265V/50-60Hz.								
Plug Type	American, NEMA 5-15, no suffix (i.e. LB5-Z1) European, CEE 7/7, "2" suffix (i.e. LB5-Z1-2) British Standard, BS 1363, "3" suffix (i.e. LB5-Z1-3) Australian/New Zealand, AS/NZ 3112, "4" suffix (i.e. LB5-Z1-4)								
Lamp Watts	20 (standard-output lamp)				45 (high-output lamp)				
Power (Watts)	23 (21 @ 230V.)				57 (48 @ 230V.)				
Max Current (amps)	1								
Chamber Material	Polished 316L stainless steel, A249 pressure rated tubing								
Reactor Dimensions	3.5 x 20.0" (8.9 x 50.8 cm)								
Controller Dimensions	17.2 x 9.2 x 10.2 cm (6.8 x 3.6 x 4")				21.7 x 10.8 x 10.2 cm (8.6 x 4.2 x 4")				
Operating Pressure	0.7-8.3 bar (10-120 psi)								
Operating Water Temperature	2-40° C (36-104° F)								
Replacement Lamp	RL-420				RL-420HO				
Replacement Sleeve	RQ-420								
UV Monitor	Optional (requires additional UV sensor module) (RS-B3.5 on LB5 units & RSHO-B3.5 on LBH5 units)								
Solenoid Output	YES (but requires optional solenoid module) (MOD-SOL)								
Dry Contacts	YES (but requires optional remote alarm module) (MOD-RAM)								
4-20mA Output	YES (but requires optional 4-20mA module) (MOD-420)								
Lamp Change Reminder	YES (both audible & visual)								
Lamp Out Indicator	YES (both audible & visual)								
Shipping Weight	11.36 kg (25 lbs)	12.45 kg (27.4 lbs)	18.45 kg (40.6 lbs)	12.82 kg (28.2 lbs)	18.82 kg (41.4 lbs)	20.18 kg (44.4 lbs)	23.13 kg (51 lbs)	27.21 kg (60 lbs)	

Add suffix "NC" to model number for No Cartridges

OPTIONAL EQUIPMENT MODULES

UV Concierge

Available for WEB, iOS, and Android platforms providing live, dynamic feedback on all features and functions of your UV system.*



UV Sensor Module

Allows the 254nm UV wavelength to be measured and displayed via the controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all reactors. (see chart for part numbers)*



Cooling Fan

To reduce water temperature inside the reactor through mechanics and convection without wasting any water. Runs independently and continuously. Comes with a compact modular power adapter that operates from 90-264V (47-63Hz.)



SHERPA Series Water Quality Monitor

Allows for remote monitoring of all major and minor alarms that take place on the UV system. Three LED's visually display system functionality from up to 150' (46m) away.*



Solenoid Module

Used to power a remote normally closed solenoid valve (not included). Solenoid will close on lamp failure or when low UV conditions are detected by the sensor. Available in 110V. (MOD-SOL1) or 230V. (MOD-SOL2).*



4-20mA Module

Used for signal transfer to a remote device such as a data logger or computer. Order MOD-420.*



Custom Dealer Programmer

Customize your UV controller with your own company name, logo, website, QR code and contact information.*



TRV (temperature management relief valve)

TRV allows for a small amount of water to be physically released (dumped) from the UV unit to allow for cooling of the water. Used in applications of extended "no flow" conditions, or when the temperature of the treated water is of a critical nature.



Remote Alarm (Dry Contact) Module

Used for signal transfer to a remote alarm or dry contacts. Order MOD-RAM.*



* Available on 5.1 / 6.1 systems only.

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UV system
lic. 23355



LuminorUV



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