BLACKCOMB RACK SYSTEMS

LB4-Z1
shown

LBH5-Z22
shown

Systems now feature new one-piece, 2-sump filter heads for a leak-free design (industry first)

- 120 psi operating pressure
- o-ring groove for fail-safe installation
- includes silicon lubricant
- pressure relief valve

CONVENIENT ALL-IN-ONE UV/FILTER SYSTEMS

LUMINOR's new line of rack-mounted UV/filtration systems offer the convenience of an all-in-one package making installation a simple "in & out" connection.
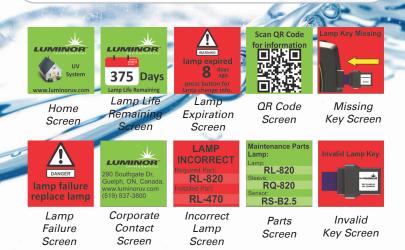
Designed to effectively treat flow rates of 8 & 15 gpm, LUMINOR's rack-mounted UV's provide the required 5 micron pretreatment with the option of a full-flow, carbon filter to treat taste and odour. Installation of a UV system has never been easier with an innovative design that allows for feedwater to enter the filters from either the right or left side of the unit.

Based on LUMINOR's groundbreaking modular UV systems, the rack-mount UV's offer the flexibility of being "factory ready" to accept a UV Intensity Module in the future if so desired. The BLACKCOMB plug and play platform has the most advanced residential controller on the market with a colour screen user interface giving a multitude of screens displaying diagnostics, status, warnings and even QR codes for a link back to LUMINOR's website.

Combine this with the capability to fully customize the colour screens with your own dealer information, or different language, and you can easily see how this integrated UV/filter system shines above all others (an optional Custom Dealer Programmer is required...contact factory for further information)!

Product Features

- **NEW** filter design, includes new one-piece, 2-sump design for leak free operation, (pressure relief, wrench, and new integral hanging clip included with all systems)
- **NEW** LED lamp countdown (4.1 variants)
- **NEW** controller with Lightlock™ technology for protected lamp sales (5.1 variants)
- Universal mounting configuration (left or right access)
- NSF component listed filtration cartridges (included with sytems)
- "Future-proof" expandibility port for future upgrades and options
- Axial flow, 316L stainless steel polished reactors, fully polished, designed & manufactured to ASME pressure vessel standards
- Reliable, industry proven, coated UV lamps, (9,000 hour life on LB4/5 series and 10,000 hour life on LBH4/5 series)
- Full customization available as an option (language, home screen, phone, QR codes, etc.)

SYSTEM SELECTION

System	Controller	Flow Rate	1st Filter Housing	2nd Filter Housing
LB4-Z1 **LB5-Z1**	4.1 (lamp timer) 5.1 (colour screen)	8 gpm	10" sediment **LC-105**	N/A
LB4-Z2 **LB5-Z2**	4.1 (lamp timer) 5.1 (colour screen)	8 gpm	20" sediment **LC-205**	N/A
LB4-Z12 **LB5-Z12**	4.1 (lamp timer) 5.1 (colour screen)	8 gpm	10" sediment **LC-105**	20" taste/odour **LC-20C**
LBH4-Z2 **LBH5-Z2**	4.1 (lamp timer) 5.1 (colour screen)	15 gpm	20" sediment **LC-205**	N/A
LBH4-Z12 **LBH5-Z12**	4.1 (lamp timer) 5.1 (colour screen)	15 gpm	10" sediment **LC-105**	20" taste/odour **LC-20C**
LBH4-Z22 **LBH5-Z22**	4.1 (lamp timer) 5.1 (colour screen)	15 gpm	20" sediment **LC-205**	20" taste/odour **LC-20C**

SYSTEMS INCLUDE ALL CARTRIDGES
(also sold without cartridges, add "-NC" to model number)

UV System
www.luminoruv.com

Home Screen

375 Days
Lamp Life Remaining

Lamp Life Remaining Screen

WARNING
lamp expired 8 days ago
press button for lamp change info.

Lamp Expiration Screen

Scan QR Code for information

QR Code Screen

Lamp Key Missing

Missing Key Screen

DANGER
lamp failure replace lamp

Lamp Failure Screen

290 Southgate Dr, Guelph, ON, Canada.
www.luminoruv.com
(519) 837-3800

Corporate Contact Screen

LAMP INCORRECT
Required Part: **RL-820**
Installed Part: **RL-470**

Incorrect Lamp Screen

Maintenance Parts
Lamp:
Lamp: **RL-820**
Sleeve: **RQ-820**
Sensor: **RS-B2.5**

Parts Screen

Invalid Lamp Key

Invalid Key Screen

BLACKCOMB - Specifications

BLACKCOMB RACK-MOUNT UV SYSTEMS

Model	LB4-Z1 LB5-Z1	LB4-Z2 LB5-Z2	LB4-Z12 LB5-Z12	LBH4-Z2 LBH5-Z2	LBH4-Z12 LBH5-Z12	LBH4-Z22 LBH5-Z22
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-105	5 micron sediment LC-205	5 micron sediment LC-105	5 micron sediment LC-205	5 micron sediment LC-105	5 micron sediment LC-205
2nd Filter Housing	N/A	N/A	high-capacity carbon LC-20C	N/A	high-capacity carbon LC-20C	high-capacity carbon LC-20C
Port Size	1"MNPT					
Electrical	90-265V/50-60Hz.					
Plug Type	American, Nema 5/15, 3 wire for all 110V systems, "1" suffix (i.e. LB5-Z1) European, CEE 7/7, 3 wire for all 230V systems, "2" suffix (i.e. LB5-Z1-2) British Standard, BS 1363, 3 wire for all 230V systems, "3" suffix (i.e. LB5-Z1-3) Australian/New Zealand, AS/NZ 3112, 3 wire for all 230V systems, "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.)		
Maximum 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)					
Chamber Material	6.8 x 3.6 x 3" (17.2x9.2x7.6 cm)			8.6 x 4.2 x 3.5" (21.7x10.8x8.9 cm)		
Operating Pressure	0.7-8.3 bar (10-120 psi)					
Operating Water Temperature	2-40° C (36-104° F)					
Replacment Lamp	RL-420			RL-420HO		
Replacment Sleeve	RQ-420					
UV Monitor	Optional (requires additional UV sensor module) (*RS-3.5 on LB5 units & RSHO-3.5 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 (audible & visual)	YES					
Lamp Out Indicator (audible & visual)	YES					
Shipping Weight	8.0 kg. (17.6 lbs.)	9.0 kg. (19.8 lbs.)	16.6 kg. (36.6 lbs.)	15.2 kg. (33.5 lbs.)	15.2 kg. (33.5 lbs.)	18.1 kg. (39.9 lbs.)

LC-105 (used on LB5-R1 systems)

LC-205 (used on LBH5-R2 & LBH5-R22 systems)

- 25/1 dual gradient polypropylene cartridge (25 micron pre-filter; 1-micron post-filter (nominal) for the reduction of dirt/rust & sediment
- Temperature range of 4.4-62.8°C (40-145°F)
- Dimensions: 254 mm x 114 mm (10" x 4 1/2")
- Pressure drop of <0.1 bar @ 38 L/min (<1 psi @ 10 gpm)
- NSF COMPONENT listed (Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only).

LC-105 shown

LC-20C (used on LB5-R12, LBH5-R2 & LBH5-R22 only)

- Carbon-briquette, 5-micron nominal cartridge for the reduction of chlorine taste & odour
- Temperature range of 4.4-82.2°C (40-180°F)
- Dimensions: 508 mm x 118 mm (20" x 4 5/8")
- Pressure drop of <0.38 bar @ 19 L/min (<5.5 psi @ 5 gpm)
- Rated life > 151,400 l @15.1 lpm (40,000 gal. @ 4 gpm)
- NSF COMPONENT listed (Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only).

Twitter.com/LuminorUV   Facebook.com/LuminorUV

Optional Upgrade Modules

UV Sensor Module
Allows the 254nm UV wavelength to be measured and displayed via the BLACKCOMB contoller. The sensor plugs directly into the contoller and is mounted in the sensor port located on all BLACKCOMB reactors. Order **RS-B3.5** for LB5 systems and **RSHO-B3.5** for LBH5 systems

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**

Remote Alarm (Dry Contact) Module
Used for signal transfer to a remote alarm or dry contacts. Order **MOD-RAM**

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

Optional Custom Dealer Programmer

Contact factory for an exciting opportunity that will allow you to customize your UV controller with your own company name, logo, website, QR code and contact information. Capture the lucrative replacement lamp market by creating a direct link back to your own website! This technology is ONLY available from LUMINOR.

YOUR Logo, phone #, QR code placed directly on the UV controller creating a fully customized look.....contact your LUMINOR distributor for program details.

Guaranteed OEM Lamp Replacement with new Lightlock™ technology

Tired of losing that lucrative replacement lamp sale to a cut-rate online marketer or to an inferior offshore manufacturer? Protect your replacement lamp revenue stream with LUMINOR's truly proprietary UV lamps with Lightlock™ technology. Maintain your lamp sales and more importantly your lamp margin all while protecting the integrity of the product and its performance.

..........**LUMINOR is the answer.**

MEMBER Water Quality Association

Carbon Neutral

CE   CSA   EPA Establishment #088776-CAN-001