

The buyer ensures and finances the decontamination, the collection and the disposal of waste electrical and electronic equipment (WEEE) under the conditions provided in the Articles 21 and 22 of the Decree No. 2005-829 dated of 20 July 2005.

In France, for tubes recycling, contact the company Recylum,

www.recylum.com

Improper disposal may be harmful to the environment and human health.



DECLARATION OF CONFORMITY

The materials complies with the requirements of the EC Directive 2004/108/EEC, 2006/95/EEC and EN 61010-1 (electro-magnetic compatibility and low voltage)

The electro-magnetic susceptibility has been chosen at a level that gains proper operation in residential areas, on business and light industrial premises and on small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterized by their connection to the public low voltage power supply system.

LAMPS



VILBER LOURMAT

BP 31 - Zac de Lamirault Collegien
F-77601 MARNE-LA-VALLEE CEDEX 3

FRANCE

Tel. : 33 1 60 06 07 71

<http://www.vilber.com>

AVERTISSEMENT : Lors de l'utilisation de cet appareil, le non-respect des instructions peut provoquer de graves brûlures à l'utilisateur.

ATTENTION : Le rayonnement Ultraviolet pouvant être dangereux pour les yeux et la peau exposés sans protection, il est impératif de porter des lunettes (Réf. LP70) ou un masque de protection (Réf. MP-80 ou MP-800).

CONSERVER SOIGNEUSEMENT CES INSTRUCTIONS

WARNUNG: während der Benutzung dieses Gerätes kann die Missachtung der Anleitung schwere Verbrennungen an Personen hervorrufen.

ACHTUNG: Ultraviolettes Licht ist gefährlich für ungeschützte Augen und die Haut. Der Benutzer ist daher angehalten, eine UV-Schutzbrille (Art. LP-70) oder ein Schutzschild (Art. MP-80 oder MP-800) zu tragen.

BEWAHREN SIE DIESE ANLEITUNG SORGFÄLTIG AUF

AVVERTIMENTO: In occasione dell'utilizzo di quest'apparecchio, l'inosservanza delle istruzioni può causare gravi ustioni all'utente.

ATTENZIONE : L'irradiazione Ultra Violaacea potendo essere pericolosa per gli occhi e la pelle esposti senza protezione, è imperativo portare occhiali (ref. LP-70) o una maschera di protezione (ref. MP-80 o MP-800).

CONSERVARE ACCURATAMENTE QUEST'ISTRUZIONI.

WARNING : during the use of this material, the non-respect of these instruction can cause very serious burns to the user.

WARNING : Ultra Violet light is dangerous for unprotected eyes and skin, therefore the user must wear UV protective goggles (Ref. LP70) or a face-shield (Ref.MP-80 or MP-800)

SAVE THESE INSTRUCTIONS

AVISO: Durante el uso del instrumento, no seguir las instrucciones puede causar quemaduras graves al usuario. PRECAUCION : La radiación ultravioleta puede ser peligrosa para los ojos y la piel expuestos sin protección. Para protegerse, es imperativo usar gafas o una máscara.

CONSERVAR CUIDADOSAMENTE ESTAS INSTRUCCIONES.

AVVERTIMENTO : Durante l'utilizzo di questo apparecchio, il non rispetto delle istruzioni può provocare bruciature gravi all'utilizzatore.

ATTENZIONE : I raggi Ultra Violetti essendo pericolosi per gli occhi e la pelle esposti senza protezione, è obbligatorio portare gli occhiali (Ref. LP 70) oppure una maschera di protezione (Ref. MP-80 o MP-800).

CONSERVARE CON CURA QUESTE ISTRUZIONI.

警告：使用此组件时・若不遵从使用指导将导致严重烧伤！

警告：紫外线对眼和皮肤有害・操作者必须佩戴紫外防护眼镜（货号：LP70）或面罩（货号MP-80 或MP-800）

请保存使用指

警告：機器の使用に際して、説明書の指示に従わない場合、使用者が重大な熱傷をこうむる場合があります。

警告：紫外線は裸眼や保護されていない皮膚にとって危険です。使用者はUV保護眼鏡（Ref. LP70）またはフェースシールド（Ref. MP-80またはMP-800）を装着する必要があります。

将来のためにこれらの説明書を保管しておいてください

WARRANTY

Our products (except Compact Flash®, light tubes and filters) are warranted against faulty construction or defective material for a period of TWO YEARS from the date of supply. Our products are not warranted for damage due to carelessness, incorrect use or bad maintenance.

The following defects are also specifically excluded:

- Defects caused by improper operation.
- Repair or modification done by anyone other than VILBER LOURMAT or an authorised agent.
- Corrosion caused by improper solvents or samples.
- Use of spare parts supplied by anyone other than VILBER LOURMAT.
- Damage caused by accident or misuse.
- Damage caused by disaster.

This instrument should not be modified or altered in any way. Modification or alteration of this instrument will:

1. Void the manufacturer's warranty.
2. Void the conformity certifications.
3. Create a potential safety hazard.

The Compact Flash®, the tubes and the filters are not covered by our warranty.

The use of consumable products or non-original spare parts not recommended by our service department is at the user's own risk and therefore automatically invalidates the warranty.

Tubes, filters, batteries and consumable products are not included in the warranty.

We reserve the right to decide where the faulty goods will be repaired (in our workshop or elsewhere), and whether or not the faulty part is to be replaced; all other freight charges incurred being at the cost of the purchaser.

Returned goods will not be accepted for repair unless previous written authorisation is obtained from our service department. A request for authorisation must be accompanied by an itemised list of products, model numbers and the corresponding invoice numbers under which they were originally shipped.

All returned goods should have a certificate of decontamination.

The Buyer must bear all costs and risks incurred during the transportation of the goods from their collection at VILBER LOURMAT warehouse.

In the case VILBER LOURMAT incorporates some devices or equipment from another supplier in the manufacture of its products, the extent and the duration of the warranty will be those conceded by the suppliers or sellers.

Manufacturer cannot be held responsible for any loss, bodily injury or material accident incurred by any failure of this supply, whatever the origin of this failure may be.

The responsibility of Manufacturer is strictly limited to its staff and to its own supplies.


In the case of dispute, only the commercial court of Meaux (France) shall be competent, even in third party claims proceedings or when there are several co-defendants.

NOTE: VILBER LOURMAT is not responsible for any injury or damage caused by use of this instrument for purposes other than those for which it is intended, or by modifications of the instrument not performed by VILBER LOURMAT.

LAMPS WITHOUT FILTERS SPARE PARTS AND CHARACTERISTICS

Ref. Article	TUBES				Fuse Ø 5 x 20		Power
	Qty	Ref.	Wavelength	W	220 V~ 240 V~	115V~ 100 V~	
VL-130.BL	1	T-30.L	365nm	30W	3,15 A	3,15 A	30 W
VL-130.BLB	1	T-30.LN	365nm	30W	3,15 A	3,15 A	30 W
VL-130.G	1	T-30.C	254nm	30W	3,15 A	3,15 A	30 W
VL-130.E	1	T-30.M	312nm	30W	3,15 A	3,15 A	30 W
VL-230.BL	2	T-30.L	365nm	30W	3,15 A	3,15 A	60 W
VL-230.BLB	2	T-30.LN	365nm	30W	3,15 A	3,15 A	60 W
VL-230.G	2	T-30.C	254nm	30W	3,15 A	3,15 A	60 W
VL-230.E	2	T-30.M	312nm	30W	3,15 A	3,15 A	60 W
VL-330.BL	3	T-30.L	365nm	30W	3,15 A	3,15 A	90 W
VL-330.BLB	3	T-30.LN	365nm	30W	3,15 A	3,15 A	90 W
VL-330.G	3	T-30.C	254nm	30W	3,15 A	3,15 A	90 W
VL-330.E	3	T-30.M	312nm	30W	3,15 A	3,15 A	90 W

WARNING / ON THE SAFETY

- This unit must be connected to a wall outlet having protective earth terminal, Connecting to ground constitutes an obligatory protection,
 - To prevent fire or shock hazard, do not expose the unit to rain or moisture,
 - Unplug the unit from the wall outlet if you will not be using it for a long time,
 - Disconnect the power cord by grasping the plug. Never pull the cord itself,
- e)  This symbol is warning against a possible UV radiation. You have to protect the eyes and skin from the UV radiation.
- f) ~ : This symbol indicates an alternative input.

CLIMATIC CONDITIONS USING

- Altitude : ≤ 2000 meters
- Operating humidity : 20% to 80% (no condensation allowed)
- Operating temperature : 5°C to 40°C

OPERATING INSTRUCTIONS

- Check that your electrical supply is compatible with the voltage of your lamp.
- Plug the unit into a **properly grounded electrical outlet**.

LAMP 1 WAVELENGTH

1 x 2 – position switch:
ON/OFF

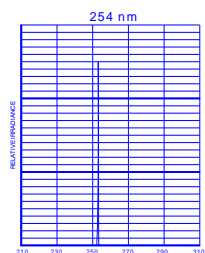
LAMP 2 WAVELENGTHS

1 x 3 – position switch:
ON/OFF/ON

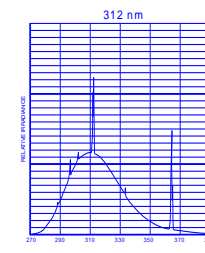
POWER

- See the power values for each item in the spare parts and characteristics board on the last page.

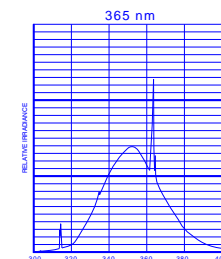
SPECTRAL CURVE



Filter lifetime 2000 hours
Intensity : 7 mW/cm²



Unlimited filter life time
Intensity : 8 mW/cm²



Unlimited filter life time
Intensity : 7 mW/cm²

LAMPS WITH FILTERS

VL-6



CHANGING THE TUBES

- Before dismantling, unplug your lamp,
- Unscrew the 2 screws on the end plate opposite the power cable,
- Remove the end plate,
- Slide the filter-support out of the lamp casing,
Take care not to let the filter catch against the tube-holder,
If this happens, press on the tube-support plate to help the filter slide more easily,
- Change the tube(s) and starter(s).

A quarter turn will release the tubes and starters.

IMPORTANT: Reassemble the lamp completely before checking it functions correctly.

To reassemble the lamp, follow the above instructions in reverse order.



WARNING



UV radiation can be dangerous for unprotected eyes and skin, therefore we recommend the user to wear UV protective goggles (Ref. LP-70) or face-shield (Ref. MP-80 or MP-800)

LAMPS WITHOUT FILTERS SPARE PARTS AND CHARACTERISTICS

Ref. Article	TUBES				Fuse Ø 5 x 20		Power
	Qty	Ref.	Wavelength	W	220 V~ 240 V~	115 V~ 100 V~	
VL-206.BL VL-206.G	2 2	T-6.L T-6.C	365nm 254nm	6W 6W			12 W 12 W
VL-115.BL VL-115.G	1 1	T-15.L T-15.C	365nm 254nm	15W 15W	2 A 2 A	2 A 2 A	15 W 15 W
VL-215.BL VL-215.G	2 2	T-15.L T-15.C	365nm 254nm	15W 15W	2 A 2 A	2 A 2 A	30 W 30 W
VL-315.BL VL-315.G	3 3	T-15.L T-15.C	365nm 254nm	15W 15W	2 A 2 A	2 A 2 A	45 W 45 W

LAMPS WITH FILTERS SPARE PARTS AND CHARACTERISTICS

Ref. Article	Qty	Ref.	Wavelength	W	Filter with support	Fuse Ø 5 x 20		Power
						220 V~ 240 V~	115 V~ 100 V~	
VL-6.L VL-6.C VL-6.M VL-6.LC	1 1 1 1	T-6.L T-6.C T-6.M T-6.C	365nm 254nm 312nm 254nm	6W 6W 6W 6W	FS-6.L FS-6.CM FS-6.CM FS-6.CM			6 W 6 W 6 W 6 W
VL-115.L VL-115.C VL-115.M	1 1 1	T-15.L T-15.C T-15.M	365nm 254nm 312nm	15W 15W 15W	FS-115.L FS-115.CM FS-115.CM	2 A 2 A 2 A	2 A 2 A 2 A	15 W 15 W 15 W
VL-215.L VL-215.C VL-215.M VL-215.LC	1 1 1 1	T-15.L T-15.C T-15.M T-15.C	365nm 254nm 312nm 254nm	15W 15W 15W 15W	FS-215.L FS-215.CM FS-215.CM FS-215.CM	2 A 2 A 2 A 2 A	2 A 2 A 2 A 2 A	15 W 15 W 15 W 15 W
VL-215.LM	1	T-15.L	365nm	15W	FS-215.CM	2 A	2 A	15 W
VL-215.MC	1	T-15.M	312nm	15W	FS-215.CM	2 A	2 A	15 W
	1	T-15.C	254nm	15W				

ACCESSORIES

STAND SVL-6 **for type VL-6 Lamps**

To attach the lamp to the stand, place the lamp casing into the bracket as shown opposite.



STAND SVL-30 **for type VL-115 / VL-215 / VL-315 Lamps**

To attach the lamp to the stand, place the top of the stand in the groove of the lamp casing and align the fixing holes.

Attach using the two screws supplied with the lamp.



LAMPS WITH FILTERS

VL-115
VL-215



NOTE

This lamp can be attached to the ceiling or a wall, using a bracket supplied with the lamp.

1. Attach the bracket to the support (ceiling or wall)
2. Attach the lamp to the bracket with the two lamp screws

CHANGING THE TUBES

- a) Before dismantling, unplug your lamp,
- b) Unscrew the 4 screws on the end plate and remove the end plate,
- c) Slide the filter-support out of the lamp casing,
- d) Change the tube(s) and starter(s).

A quarter turn will release the tubes and starters.

IMPORTANT: Reassemble the lamp completely before checking its functions correctly.

To reassemble the lamp, follow the above instructions in reverse order.

TYPE OF FUSE

Type FST - Time-lag T - Ø 5 x 20 (see fuse values in the spare parts board on the last page)



WARNING



UV radiation can be dangerous for unprotected eyes and skin, therefore we recommend the user to wear UV protective goggles (Ref. LP-70) or face-shield (Ref. MP-80 or MP-800)

LAMPS WITHOUT FILTERS

VL-206



CHANGING THE TUBES

- Before dismantling, unplug your lamp,
- Unscrew the 2 screws on each end plate,
- Remove the 2 end plates,
- Remove the 2 front plates of the lamp casing,
- Change the tube(s) and starter (s).

A quarter turn will release the tubes and starters.

IMPORTANT : Reassemble the lamp completely before checking it functions correctly.

To reassemble the lamp, follow the above instructions in reverse order.



WARNING



UV radiation can be dangerous for unprotected eyes and skin, therefore we recommend the user to wear UV protective goggles (Ref. LP-70) or face-shield (Ref. MP-80 or MP-800)

LAMPS WITHOUT FILTERS

VL-115/215/315
VLE-115/215/315
VL-130/230/330



NOTE

These lamps can be attached to the ceiling or a wall. For lamps fitted with 15W tubes (VL-115/215/315) see the paragraph about Lamps with filters (VL-115/215).

For lamps fitted with 30, tubes there are two slide fixation brackets on the lamp. After percing the ceiling or the wall, attach the lamp.

CHANGING THE TUBES

- Before dismantling, unplug your lamp,
- Change the tube(s) and starter(s).

A quarter turn will release the tubes and starters.

IMPORTANT: Reassemble the lamp completely before checking it functions correctly.

To reassemble the lamp, follow the above instructions in reverse order.

TYPE OF FUSE

Type FST - Time-lag T - Ø 5 x 20 (see fuse values in the spare parts board on the last page)



WARNING



UV radiation can be dangerous for unprotected eyes and skin, therefore we recommend the user to wear UV protective goggles (Ref. LP-70) or face-shield (Ref. MP-80 or MP-800)