

# UV INSTRUMENTS

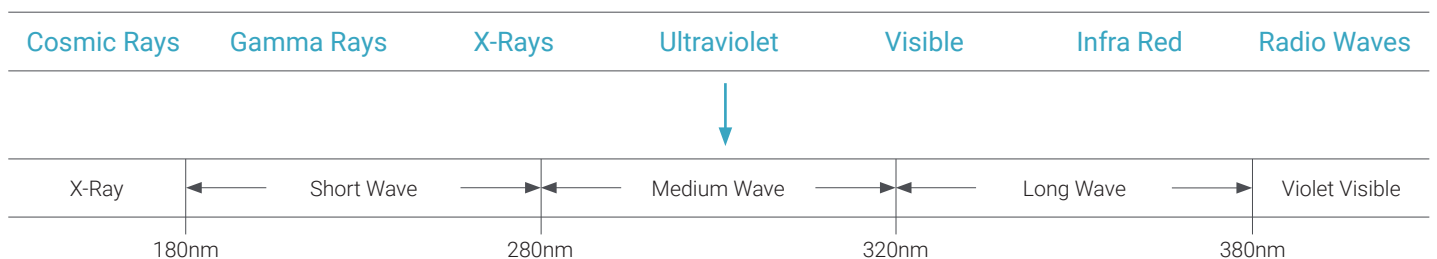




## Protect Yourself

UV radiation is dangerous for unprotected eyes and skin. Users must protect themselves against UV radiation by wearing glasses or face shields. The MP-80 is recommended for protection of the eye and the face. The MP-800 is a face shield with two lateral protections to cover the operator's ears in addition to its eyes and face. Comfortable and efficient, the LP-70 glasses provide total protection to the eyes.

### Electromagnetic Spectrum (Enlargement Of Ultraviolet Region)



# VILBER's UV Master Technology™

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VILBER is the UV fluorescence expert since 1951. Our own UV lamps emit highly concentrated UV radiation. This output is reinforced with the use of our exclusive Ondulex™ reflector, especially polished to reflect the maximum of the light to the outside. Combined with our innovative range of special UV filters, our unique fluorescence sources dramatically improve the quality of gel visualization, documentation and create unrivaled application capabilities.



## ISO 9001

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VILBER has been approved for registration to ISO 9001:2015. This is an indication of VILBER's commitment towards continuous process improvements and adopting the best practices to consistently exceed customer expectations. An independent registrar ensures that ISO standards are consistently met from year to year and conducts periodic surveillance audits. With several years of ISO compliance and experience, VILBER is proud of its achievement, but never satisfied.

# UV TUBES



## HIGH UV RADIATION

Thanks to our special lamp glass filters and coating.



## LONG LIFETIME

Thousands hours of light.



## UNIQUE ELECTRODE

Technology for enhanced reliability.



## CONSTANT UV SPECTRUM

Over the complete lifetime.

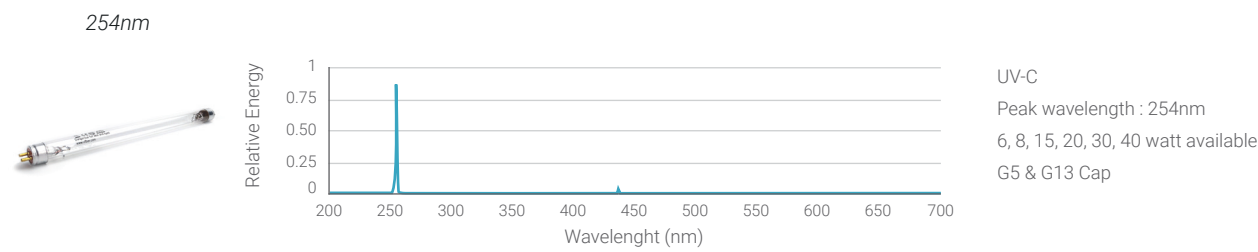
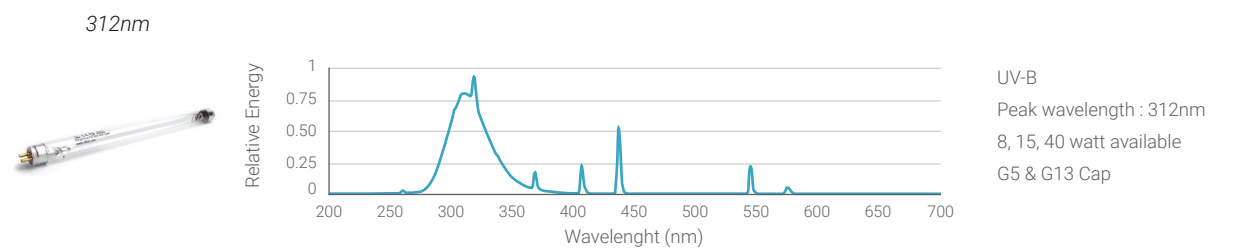
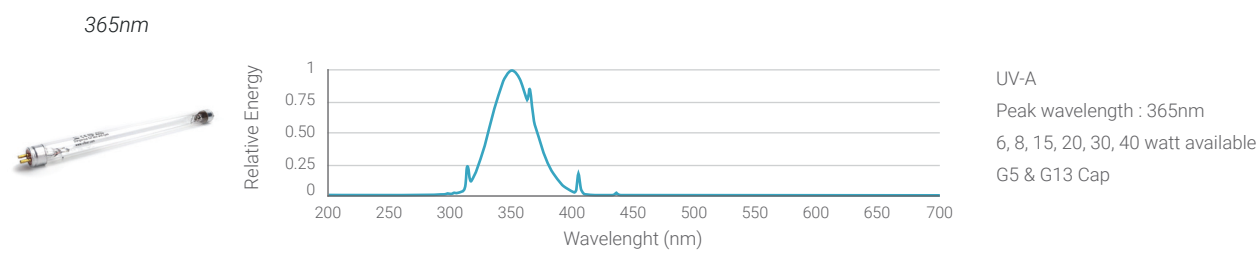
## About UV Tubes

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Our original UV tubes emit highly concentrated UV radiation. They use a special ultraviolet ray glass which efficiency transmits the ultraviolet rays. Ultraviolet is located at shorter wavelengths compared to visible light radiation and produces high energy potential

TUBES - 6W TO 40W

Model	Wavelength (nm)	Lenght (mm)
T-40.L	365	1197
T-40.M	312	1197
T-40.C	254	1197
T-30.L	365	892
T-30.C	254	892
T-20.L	365	586
T-20.C	254	586
T-15.L	365	435
T-15.M	312	435
T-15.C	254	435
T-8.L	365	288
T-8.M	312	288
T-8.C	254	288
T-6.L	365	211
T-6.C	254	211





# UV LAMPS



## UV MASTER TECHNOLOGY

Highly concentrated UV radiations.



## EASY TO HANDLE

Lamp stand or holder to add versatility.



## LONG LIFETIME

Anodized aluminum housing.



## ONDULEX REFLECTOR

Reflect the maximum UV output.

## About UV Lamps

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Our large choice of filtered and unfiltered lamps range from 6 to 3×40 w-watt.

Our filtered lamps are ideal for the fluorescence detection. The BL-Black-Light lamps provide a large light spectrum with 365nm UV and visible light.

The UV germicidal 254nm lamps help to prevent contamination in research laboratories.



## Lamps 6W - Filtered

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
VL-6.LC	365 / 254	145 x 48	2 x 6	UV Fluorescence
VL-6.L	365	145 x 48	1 x 6	UV Fluorescence
VL-6.C	254	145 x 48	1 x 6	UV Fluorescence

## Lamps 6W - Unfiltered

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
VL-206.BL	365	No Filter	2 x 6	Black Light
VL-206.G	254	No Filter	2 x 6	Germicidal

## Lamps 15W - Filtered

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
VL-215.L	365	295 x 76	2 x 15	UV Fluorescence
VL-215-M	312	295 x 76	2 x 15	UV Fluorescence
VL-215-C	254	295 x 76	2 x 15	UV Fluorescence
VL-115.L	365	295 x 66	1 x 15	UV Fluorescence
VL-115-M	312	295 x 66	1 x 15	UV Fluorescence
VL-115-C	254	295 x 66	1 x 15	UV Fluorescence

## Lamps 15W - Unfiltered

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
VL-315-BL	365	No Filter	3 x 15	Black Light
VL-315-G	254	No Filter	3 x 15	Germicidal
VL-215-BL	365	No Filter	2 x 15	Black Light
VL-215-G	254	No Filter	2 x 15	Germicidal
VL-115-BL	365	No Filter	1 x 15	Black Light
VL-115-G	254	No Filter	1 x 15	Germicidal

## Lamps 30W -Unfiltered

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
VL-330.BL	365	No Filter	3 x 30	Black Light
VL-330.G	254	No Filter	3 x 30	Germicidal
VL-230.BL	365	No Filter	2 x 30	Black Light
VL-230.G	254	No Filter	2 x 30	Germicidal
VL-130.BL	365	No Filter	1 x 30	Black Light
VL-130.G	254	No Filter	1 x 30	Germicidal

## Irradiation Surface For A Height Of About 2m

Power (W)	1 Tube	2 Tubes	3 Tubes
15	1.5 x 2m	1.5 x 3m	1.5 x 4m
20	2m x 2m	2m x 3m	2m x 4m
30	2.5m x 2.5m	2.5m x 3.5m	2.5m x 4.5m
40	3m x 3m	3m x 4m	3m x 5m

## Lamps Stands & Handlers

Models	Type	Compatibility
SVL-30	Stand	For VL-115 and VL-215
SVL-6	Stand	For VL-6 and VL-8
SMA	Handle	For VL-6 and VL-8
SMU	Bracket	For VL-6 and VL-8





Lamp Stand Or Holder To Add  
Versatility



Highly Concentrated UV  
Radiations



Reflect The Maximum  
UV Output



# UV TABLES



## UV MASTER TECHNOLOGY

Highly concentrated UV  
radiations.



## LONG LIFETIME FILTER

Unlimited life expectancy for  
312 & 365nm.



## STAINLESS STEEL FRAME

Long lifetime and  
no rust.



## ADJUSTABLE DUAL INTENSITY

Ideal to switch from short gel  
visualization to longer preparative work.

## About UV Tables

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We provide first-class UV transilluminators for documentation and preparation in different dimensions and configurations. Our innovative Super-Bright filter stops all the visible light emitted by the tubes. As the UV tubes are no more visible, the Super-Bright improves dramatically the quality of gel visualization and documentation.

## Transilluminators 8W

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type	Intensity (uW/cm²)
ECX-F26.MX V1	312	210 x 260	5 x 8	UV SuperBright	UV SuperBright
ECX-F26.M V1	312	210 x 260	5 x 8	UV	UV
ECX-F26.C V1	254	210 x 260	5 x 8	UV	UV
ECX-F20.L V1	365	200 x 200	5 x 8	UV	UV
ECX-F20.M V1	312	200 x 200	5 x 8	UV	UV
ECX-F20.C V1	254	200 x 200	5 x 8	UV	UV
ECX-F20.BLUE V1	-	200 x 200	-	Blue Light	Blue Light
ECX-F20.W V1	-	No Filter	5 x 8	White Light	White Light
ECX-F15.M	312	150 x 150	4 x 8	UV	UV
ECX-F15.C	254	150 x 150	4 x 8	UV	UV

## Transilluminators 8W - Multiband

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
TCP-26.LMX V1	365 / 312	210 x 260	4 x 8 / 5 x 8	UV SuperBright
TCP-26.LC V1	365 / 254	210 x 260	4 x 8 / 5 x 8	UV
TCP-26.MC V1	312 / 254	210 x 260	4 x 8 / 5 x 8	UV
TCP-20.LM V1	365 / 312	200 x 200	4 x 8 / 5 x 8	UV
TCP-20.LC V1	365 / 254	200 x 200	4 x 8 / 5 x 8	UV
TCP-20.MC V1	312 / 254	200 x 200	4 x 8 / 5 x 8	UV

## Conversion Screen

Model	From This Wavelength (nm)	To This Wavelength (nm)	Type
FC-26WL	312	-	White Light



# UV DARKROOMS



## **LARGE CAPACITY**

Ideal for small or  
large sample.



## **UV ABSORBER SHIELD**

Protect the user from  
the UV light.



## **COMBINATION OF UV SOURCES**

UVA, UVB and UVC can be  
combined at your convenience.



## **EASY ACCESS TO DARKROOM**

Ideal for mineralogy  
or TLC plate.

## About UV Darkrooms

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Our UV darkrooms provide a large effective capacity and a high detection sensitivity. They could offer any combination of UV sources, simultaneously or not. The UV darkroom CN-6 is supplied without lamps and allows different lighting possibilities according to the user's choice.

Darkrooms - 15W

Model	Wavelength (nm)	Power (W)	Type
CN-15	Multichannel darkroom without tubes, chose between the set below		
Set N°1 of 4 tubes	365 / 312	2 x 15 / 2 x 15	UV
Set N°2 of 4 tubes	365 / 254	2 x 15 / 2 x 15	UV
Set N°3 of 4 tubes	312 / 254	2 x 15 / 2 x 15	UV
Set N°4 of 4 tubes	365	4 x 15	UV
Set N°5 of 4 tubes	312	4 x 15	UV
Set N°6 of 4 tubes	254	4 x 15	UV
CN-6	Darkroom without lamp, the wavelengths can be chosen, between 254 nm or 365 nm - VL-6 Models		



White-Light Bulb For Normal Observation



Removable Lamps That Can Be Used For Hand-Held Applications



# UV RADIOMETERS



## PHOTO-ELECTRIC SENSOR

Direct measurement of the UV intensity.



## TIME OR ENERGY MEASURE

The intensity is measured in  $\text{mW}/\text{cm}^2$  and the energy in  $\text{joules}/\text{cm}^2$ .



## MICROPROCESSOR CONTROLLED

Smart and easy to use.



## INTERCHANGEABLE SENSOR

Wavelength dependent sensors could be used one at a time.

## About UV Radiometers

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The radiometers measure UV light intensity for a specific wavelength (254nm, 312nm or 365nm). They are designed for an accurate and direct measurement of the UV radiation. All our radiometers use a silicon photo-electric sensor for a direct measurement of the UV intensity and thus do not convert UV into visible light.

Sensors

Model	Wavelength (nm)	For
CX-365	365	VLX-3W
CX-312	312	VLX-3W
CX-254	254	VLX-3W



Precise, Highly Accurate And User Friendly



Measure the UV radiation dose as a function of time or energy.





# UV BIO-LINK



## UV MASTER TECHNOLOGY

Highly concentrated UV radiations.



## EASY TO HANDLE

Spacious UV exposure chamber in stainless steel.



## LONG LIFETIME

Protective quartz disk on the UV sensor cell.



## ONDULEX REFLECTOR

Reflect the maximum UV output.

## About UV Bio-Link

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The Bio-Link crosslinker is a UV irradiation system, mainly dedicated to the linking of nucleic acid to membranes and elimination of PCR contamination.

Its innovative design ensures unique features.

Bio-Link - BLX

Model	Wavelength (nm)	Filter Size (mm)	Power (W)	Type
BLX-254	254	505 x 415 x 280	6 x 6	UV
BLX-312	312	505 x 415 x 280	6 x 6	UV
BLX-365	365	505 x 415 x 280	6 x 6	UV



UV Wavelength Interchange-  
Ability



Protective Quartz Disk On the UV  
Sensor Cell



#### **UV MASTER TECHNOLOGY**

Highly concentrated UV radiations.



#### **EASY TO HANDLE**

Spacious UV exposure chamber in stainless steel.



#### **LONG LIFETIME**

Protective quartz disk on the UV sensor cell.



#### **ONDULEX REFLECTOR**

Reflect the maximum UV output.

## About UV Bio-Sun

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The BioSun is a complete, microprocessor controlled UV irradiation system designed for Petri dishes or micro-plates. Based on a programmable microprocessor, the system constantly monitors the UV light emission. The irradiation stops automatically when the energy received matches the programmed energy. Thanks to its advanced UV sensors, the irradiation cycles are perfectly reproducible, regardless of the intensity fluctuation of the UV source. Just program your energy and Bio-Sun delivers it!

## FLEXIBILITY

- UVA, UVB or UVA & UVB irradiation
- UVC 254nm germicidal lamps for tray sterilisation
- Silicon photoelectric sensor for direct measurement of the UV intensity

## PERFORMANCE

- Scientific grade UV Irradiation system
- Perfectly reproducible UV irradiation cycles
- Highly homogeneous UVA and UVB sources (312 and 365nm)



## MULTI-APPLICATIONS

- Data acquisition controlled by micro-processor
- Constant monitoring of the received energy versus the programmed energy T
- Temperature, UV intensity, and time passed supervision

## EASY & INTUITIVE

- Powerful cooling system
- Optional software connection for data monitoring and recording
- Fantastic ease of use and maintenance



## **HEADQUARTERS**

Vilber Lourmat  
ZAC de Lamirault  
Collegien  
F-77601 Marne-la-Vallee cedex 3  
France  
Phone : + 33 (0) 1 60 06 07 71  
[info@vilber.com](mailto:info@vilber.com)

## **GERMANY**

Vilber Lourmat  
Deutschland GmbH  
Wielandstrasse 2  
D-88436 Eberhardzell  
Deutschland  
Phone : + 49 (0) 7355 931 380  
[info@vilber.de](mailto:info@vilber.de)

## **CHINA**

Vilber China  
Room 127 Building A  
N° 111 Yuquangying  
Fengtai District – Beijing  
China  
Phone : + 86 1361 1131 545  
[info@vilber.cn](mailto:info@vilber.cn)