UV INSTRUMENTS

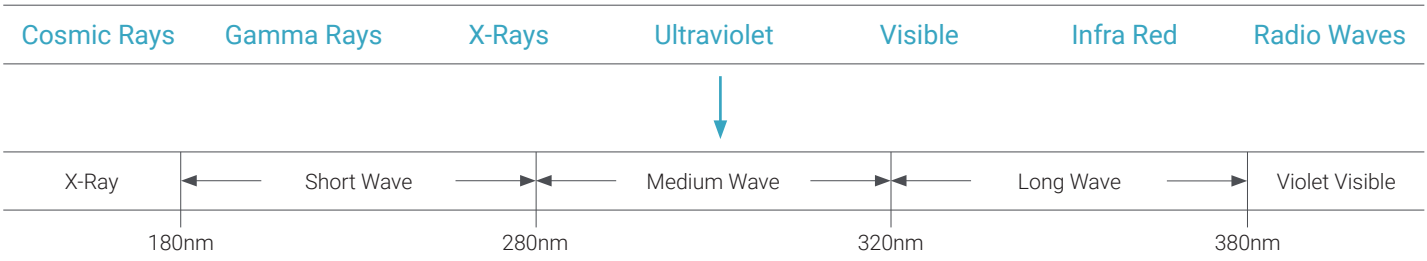
V 03/2019

VILBER
Smart Imaging

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™

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

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.

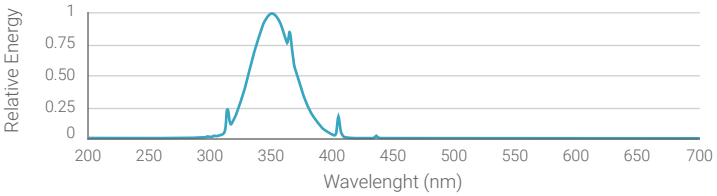
About UV Tubes

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

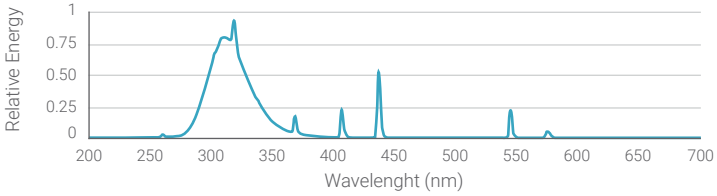
Model	Wavelenght (nm)	Lenght (mm)
T-40.L	365	1197
T-40.M	312	1197
T-40.C	254	1197
T-30.L	365	892
T-30.C	254	892
T-20.L	365	586
T-20.C	254	586
T-15.L	365	435
T-15.M	312	435
T-15.C	254	435
T-8.L	365	288
T-8.M	312	288
T-8.C	254	288
T-6.L	365	211
T-6.C	254	211

365nm



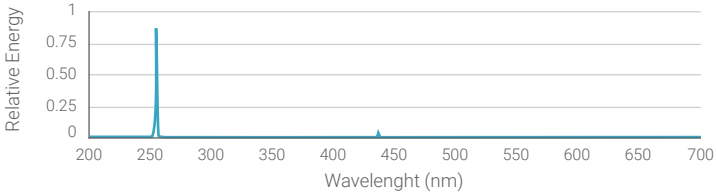
UV-A
Peak wavelength : 365nm
6, 8, 15, 20, 30, 40 watt available
G5 & G13 Cap

312nm



UV-B
Peak wavelength : 312nm
8, 15, 40 watt available
G5 & G13 Cap

254nm



UV-C
Peak wavelength : 254nm
6, 8, 15, 20, 30, 40 watt available
G5 & G13 Cap

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

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

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 / 312	210 x 260	4 x 8 / 5 x 8	UV
TCP-26.MC V1	365 / 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
FC-26.Blue	312	480	UV

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

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)	Size (mm)	Power (W)	Type
CN-15.LM	365 / 312	505 x 415 x 280	2 x 15	UV
CN-15.LC	365 / 254	505 x 415 x 280	2 x 15	UV
CN-15.MC	312 / 254	505 x 415 x 280	2 x 15	UV
CN-15.LL	365	505 x 415 x 280	4 x 15	UV
CN-15.MM	312	505 x 415 x 280	4 x 15	UV
CN-15.CC	254	505 x 415 x 280	4 x 15	UV
CN-6	Darkroom Alone, 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 mW/cm² and the energy in joules/cm².

MICROPROCESSOR CONTROLLED
Smart and easy to use.

INTERCHANGEABLE SENSOR
Wavelength dependent sensors could be used one at a time.

About UV Radiometers

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

> Precise, Highly Acurate 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

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 Wavelenght Interchange-Ability

Protective Quartz Disk On the UV Sensor Cell

UV BIO-SUN

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

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 fo tray sterilisation
- Silicon photoelectric sensor for direct measurement of the UV intensity

PERFORMANCE

- Scientific grade UV Irradiation sytsem
- 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

VILBER
Smart Imaging

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

Industriestrasse 12
CH-6210 Sursee

mail@witec.ch
T 041 250 53 57

witec ag
experts in life science products