

UV INSTRUMENTS

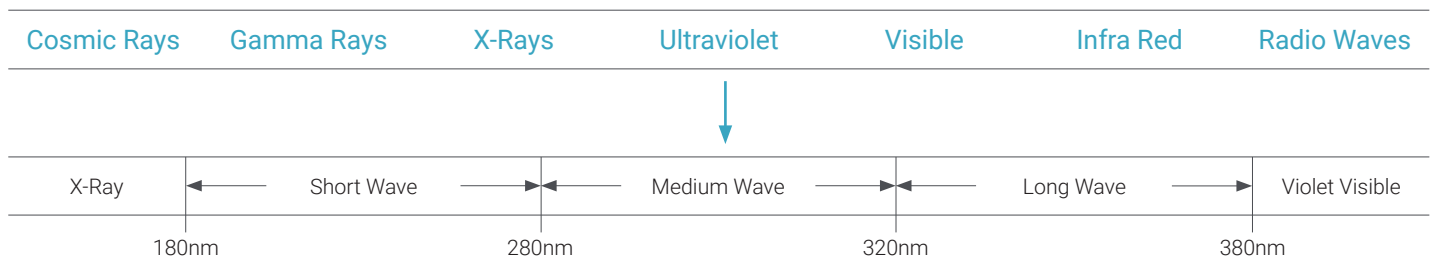




Protect Yourself

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™

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.

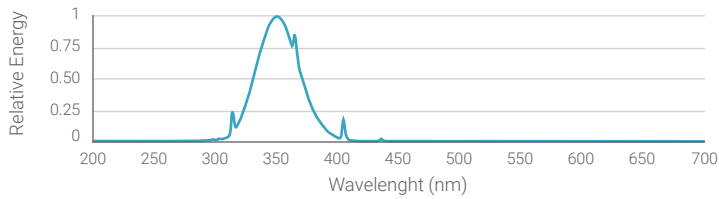
About UV Tubes

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

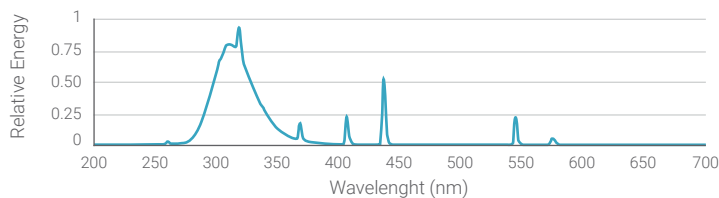
| Model | Wavelength (nm) | Length (mm) |
|--------|-----------------|-------------|
| T-40.L | 365 | 1197 |
| T-40.M | 312 | 1197 |
| T-40.C | 254 | 1197 |
| T-30.L | 365 | 892 |
| T-30.C | 254 | 892 |
| T-20.L | 365 | 586 |
| T-20.C | 254 | 586 |
| T-15.L | 365 | 435 |
| T-15.M | 312 | 435 |
| T-15.C | 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



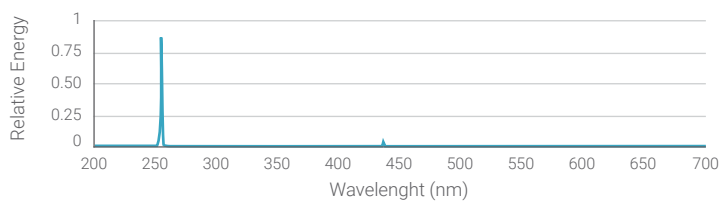
UV-A
 Peak wavelength : 365nm
 6, 8, 15, 20, 30, 40 watt available
 G5 & G13 Cap

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 3x40 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/cm ²) |
|-----------------|-----------------|------------------|-----------|----------------|---------------------------------|
| 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

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 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 | 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

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



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Spacious UV exposure chamber in stainless steel.



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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 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

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