

ULTRAVIOLETS

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CATALOG

SUPER-BRIGHT

> The multi-applications transilluminator

The Super-Bright UV table is dedicated to Syber-Green[®] and Ethidium bromide gels. The transilluminator is equipped with an innovative UV filter which dramatically improves the quality of gel visualization and gel documentation. The filter stops all the visible light emitted by the tubes.

Results for gel documentation

Thanks to the Super-Bright, the excitation light from the transilluminator is far-off the fluorescent light emitted by the gel. This allows the use of the Vilber Lourmat F-410 camera filter which ensures the transmission of the total fluorescent signal of the Syber-Green[®] or of the Ethidium bromide.

...❖ **The results:** for Syber-Green[®], the signal is 25% more important compared to a standard configuration.

Results for gel visualization

The Super-Bright filter stops all the visible light produced by the UV tubes. This makes the tubes non visible and then improves the contrast for eye visualization.

...❖ **The results:** by contrast, your eyes can easily see the very faint bands.



Key features

- Works with both Syber-Green[®] and Ethidium bromide
- The UV tubes are no more visible: no more background light
- Better contrast: easiest visualization of very faint bands
- Unlimited filter life expectancy
- Thanks to the exclusive F410 camera filter, maximum transmission of the fluorescent light to the camera
- Electronic ballast
- No flickering effect thanks to its 25 KHz high frequency
- The same model can be used from 100 to 240-volt and from 50 to 60 Hz without any intervention
- Reduced electrical consumption
- Ondulex[®] reflector for higher UV output
- Adjustable UV safety screen
- Stainless steel frame
- Dual intensity selector (100%-70%)

Specifications

Models	Description	nm	Filter (mm)	Tubes	Intensity (μW/cm ²)
ECX-26.MX	High / Low intensity	312	210 x 260	6 x 8-watt	9 000
ETX-26.MX	High / Low intensity	312	210 x 260	6 x 15-watt	10 000

ETX TABLE

> **Get more signal from your gel**

ETX transilluminator is a new 15-watt transilluminator based on an electronic ballast developed by Vilber Lourmat. Its 25 000 Hz high frequency provides a supreme light stability and avoids the usual flickering effect. Accordingly, your gel visualization and gel documentation is strongly improved.

The transilluminator heat is considerably reduced, avoiding the use of extra cooling fan and thus reducing the noise.

Thanks to its very high UV output, the transilluminator provides more signal compared to a standard 8-watt transilluminator.

Key features

- High UV output
- Electronic ballast
- No flickering effect thanks to its 25 KHz high frequency
- No necessary cooling fan as the electronic ballast produces no heat
- Weight reduction
- The same model can be used from 100 to 240-volt and from 50 to 60 Hz without any intervention
- Reduced electrical consumption
- Unlimited filter life expectancy for 312 and 365nm
- Ondulex® reflector
- Adjustable UV safety screen
- Stainless steel frame
- Dual intensity selector (100%-70%)

Specifications

Models	Description	nm	Filter (mm)	Tubes	Intensity (μW/cm ²)
ETX-20.M	High / Low intensity	312	200 x 200	6 x 15-watt	10 600
ETX-20.C	High / Low intensity	254	200 x 200	6 x 15-watt	7 800
ETX-20.L	High / Low intensity	365	200 x 200	6 x 15-watt	7 000
ETX-26.M	High / Low intensity	312	210 x 260	6 x 15-watt	10 600
ETX-26.C	High / Low intensity	254	210 x 260	6 x 15-watt	7 800
ETX-35.M	High / Low intensity	312	200 x 350	6 x 15-watt	10 600
ETX-35.C	High / Low intensity	254	200 x 350	6 x 15-watt	7 800
ETX-35.L	High / Low intensity	365	200 x 350	6 x 15-watt	7 000
ETX-36.M	High / Low intensity	312	250 x 350	6 x 15-watt	10 600
ETX-36.C	High / Low intensity	254	250 x 350	6 x 15-watt	7 800
ETX-40.M	High / Low intensity	312	200 x 400	6 x 15-watt	10 600
ETX-40.C	High / Low intensity	254	200 x 400	6 x 15-watt	7 800



COMPACT TRANSILLUMINATORS

> The industry standard

The ECX transilluminator combines compactness and economy for laboratories with budget in mind.

The fully adjustable UV safety screen can be positioned to suit the operator's viewing angle against exposure to harmful UV rays.

Key features

- Electronic ballast
- No flickering effect thanks to its 25 KHz high frequency
- The same model can be used from 100 to 240-volt and from 50 to 60Hz without any intervention
- Reduced electrical consumption
- Unlimited filter life expectancy for 312 and 365nm
- Dual intensity selector (100%-70%)
- Ondulex® reflector
- High UV output
- Adjustable UV safety screen
- Stainless steel frame



Specifications

Models	Description	nm	Filter (mm)	Tubes	Intensity ($\mu\text{W}/\text{cm}^2$)
ECX-15.M	High / Low intensity	312	150 x 150	6 x 8-watt	10 000
ECX-15.C	High / Low intensity	254	150 x 150	6 x 8-watt	7 000
ECX-20.M	High / Low intensity	312	200 x 200	6 x 8-watt	10 000
ECX-20.C	High / Low intensity	254	200 x 200	6 x 8-watt	7 000
ECX-20.L	High / Low intensity	365	200 x 200	6 x 8-watt	7 000
ECX-26.M	High / Low intensity	312	210 x 260	6 x 8-watt	10 000
ECX-26.C	High / Low intensity	254	210 x 260	6 x 8-watt	7 000

SPECIAL TRANSILLUMINATORS

> A complete range

Ultraviolet/White light table: two models in one

The UV / white light tables feature two 200 x 200 mm illumination areas. The UV side is ideal for RNA and DNA visualization, using a 254, 312 or 365 nm UV source. The white light side can be used for protein gels, autoradiograms or microtiter plates.



Models	Description	Light surface (mm)	UV Tubes	WL Tubes	Intensity ($\mu\text{W}/\text{cm}^2$)
TFP-M/WL	312nm / white light	2 (200 x 200)	6 x 8-watt	2 x 8-watt	10 000
TFP-C/WL	254nm / white light	2 (200 x 200)	6 x 8-watt	2 x 8-watt	7 000
TFP-L/WL	365nm / white light	2 (200 x 200)	6 x 8-watt	2 x 8-watt	7 000

Multiband transilluminator: the versatile system

The multiband transilluminator accommodates two UV wavelengths in one single transilluminator. This versatile model is ideal for a wide range of applications requiring different wavelengths. It can be used for both visualization and documentation.



Models	Description	Filter (mm)	8-watt tubes	Intensity ($\mu\text{W}/\text{cm}^2$)
TCP-20.LC	365nm / 254nm	200 x 200	(6 x 365nm) + (5 x 254nm)	7 600 / 5 200
TCP-20.LM	365nm / 312nm	200 x 200	(6 x 365nm) + (5 x 312nm)	5 400 / 6 400
TCP-20.MC	312nm / 254nm	200 x 200	(6 x 312nm) + (5 x 254nm)	8 400 / 5 200
TCP-26.LC	365nm / 254nm	210 x 260	(6 x 365nm) + (5 x 254nm)	5 400 / 5 200
TCP-26.LM	365nm / 312nm	210 x 260	(6 x 365nm) + (5 x 312nm)	7 600 / 6 400
TCP-26.MC	312nm / 254nm	210 x 260	(6 x 312nm) + (5 x 254nm)	8 500 / 5 200

Models	Description	nm	Filter (mm)	Tubes	Intensity ($\mu\text{W}/\text{cm}^2$)
TFX-20.LC	High / Low intensity	365 / 254	200 x 200	2 x (6 x 15-watt)	5 900 / 6 400
TFX-20.LM	High / Low intensity	365 / 312	200 x 200	2 x (6 x 15-watt)	4 400 / 8 500
TFX-20.MC	High / Low intensity	312 / 254	200 x 200	2 x (6 x 15-watt)	9 000 / 5 900
TFX-35.LC	High / Low intensity	365 / 254	200 x 350	2 x (6 x 15-watt)	6 900 / 6 400
TFX-35.LM	High / Low intensity	365 / 312	200 x 350	2 x (6 x 15-watt)	3 800 / 8 000
TFX-35.MC	High / Low intensity	312 / 254	200 x 350	2 x (6 x 15-watt)	8 000 / 5 900

Other filter sizes available, please contact us for details

White light transilluminator: superior lighting

White light transilluminators offer uniform light diffusion and variable intensity control. They are designed for protein stained gels, autoradiograms, x-ray film and microtiter plates.



Models	Description	White light surface (mm)	WL Tubes
TFX-35.WL	High / Low intensity	200 x 350	2 x 15-watt 2 x 6-watt

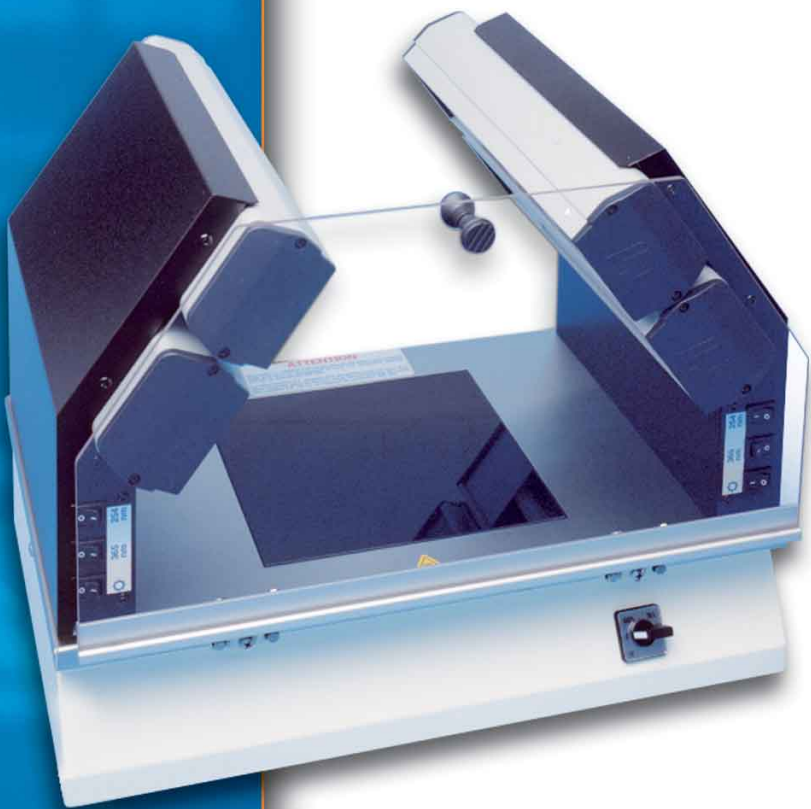
COMBI-LIGHT

> The ultimate versatility

The Combi-Light is a powerful combination of a UV transilluminator and of two versatile side arm lamps. It offers several wavelengths in transmitted or reflected mode, making it perfect for various applications such as DNA agarose or TLC visualisation.

For enhanced versatility, the two side arms are equipped with independent switches for each tube. Together with the UV transilluminator, it enables any combination of UV lighting in the three wavelengths: 254 nm, 312 nm or 365 nm.

The Combi-Light can also be equipped with a white-light table for visualisation of protein gels.



Key features

- Long life filter
- Ondulex® reflector
- High UV output
- Stainless steel frame
- Dual intensity switch (70% - 100%)
- Each side arm includes 1 x 8-watt 254 nm lamp 1 x 8-watt 365 nm lamp and 1 x 8-watt white light lamp

Specifications

Models	Tubes (transillumination)	Wavelength (nm)	Filter size
EXCL-20.C	6 x 15-watt	254	200 x 200
EXCL-20.M	6 x 15-watt	312	200 x 200
EXCL-20.L	6 x 15-watt	365	200 x 200
EXCL-35.C	6 x 15-watt	254	200 x 350
EXCL-35.M	6 x 15-watt	312	200 x 350
EXCL-35.L	6 x 15-watt	365	200 x 350
EXCL-20.WL	6 x 15-watt	White light	200 x 200
EXCL-35.WL	6 x 15-watt	White light	200 x 350

BIO-LINK

> perfect irradiation

The Bio-Link crosslinker is a complete microprocessor controlled UV irradiation system, mainly dedicated to the linking of nucleic acid to membranes and elimination of PCR contamination. Its innovative design ensures unique features:

Microprocessor controlled

The programmable microprocessor constantly monitors the UV light emission. The irradiation stops automatically when the energy received matches the programmed energy.

Reproducibility

Thanks to its UV sensors, the irradiation cycles are perfectly reproducible, regardless of intensity fluctuation of the UV source. Just programme your energy and Bio-Link delivers it !

Consistent measure

The UV light intensity is captured in a well of light, positioned above the irradiation chamber. The UV cell measure is then collected from all the UV tubes and not just from one. This also protects the UV cell from any dirt which can enter the chamber.

Ease of use

The readout display and the large number of presets, in either energy unit or time unit make the Bio-Link a very simple instrument to use while very powerful.



Specifications

UV source	5 x 8-watt Either in 254 nm, 312 nm, 365 nm
Maximum UV energy exposure in Joules	Two measurement ranges: • from 0 to 99.99 J • or from 0 to 9.999 J
Maximum UV time exposure	999.9 minutes
Manual controls	Manual energy exposure setting Manual time exposure setting
Presets	Energy: 9 presets Exposure Time: 9 presets
Internal dimensions (H x D x W)	14.5 x 33 x 26 cm
External dimensions (H x D x W)	30.5 x 36 x 35 cm
Weight	10.500 kg
Power (voltage / hertz)	230 V / 50-60 Hz 115 V / 60 Hz 100 V / 50-60 Hz

Key features

- **Microprocessor control**
- **Precise irradiation in either energy (Joules/cm²) or time (seconds)**
- **Preset programme for dosage of 0.120 J/cm² to optimise nucleic acid immobilisation**
- **Storage of the last UV setting**
- **Tactile membrane keypad and large L.E.D. readout**
- **Protective quartz disk on the UV sensor cell**
- **Spacious UV exposure chamber in stainless steel**
- **Safety interlock door with UV blocking observation window**
- **Automatic restart with no lost of information if circuit breaking-off**
- **UV wavelengths interchangeability**

FILTERED LAMPS

> Power and versatility

Our elegant and highly efficient lamps are provided in 254, 312, 365 nm or combined. Power ranges from 4-watt up to 100-watt tube. Our long life filter has unlimited life for 312 and 365 nm and 3000 hours for 254 nm. Our unique filter minimizes white light interference allowing you to easily detect weak fluorescence.

Key features

- Single or dual wavelength
- Long life filter and high UV output
- Ondulex® reflector & aluminium housing for increased durability
- Easy to handle; stand or holder to add versatility

Specifications

Models	Tubes (Watt)	Wavelength (nm)	Intensity at 15cm (μW/cm ²)
VL-100.C	1 x 100-watt	254	3 400
VL-215.L	2 x 15-watt	365	2 300
VL-215.C	2 x 15-watt	254	1 780
VL-215.M	2 x 15-watt	312	3 000
VL-215.LC	1 x 15-watt	365	1 350
	1 x 15-watt	254	1 100
VL-215.LM	1 x 15-watt	365	1 350
	1 x 15-watt	312	1 800
VL-215.MC	1 x 15-watt	312	1 800
	1 x 15-watt	254	930
VL-115.L	1 x 15-watt	365	1 100
VL-115.C	1 x 15-watt	254	1 000
VL-115.M	1 x 15-watt	312	1 000
VL-8.L	1 x 8 -watt	365	800
VL-8.C	1 x 8 -watt	254	820
VL-8.M	1 x 8 -watt	312	790
VL-8.LC	1 x 8 -watt	365	720
	1 x 8 -watt	254	520
VL-8.LM	1 x 8 -watt	365	720
	1 x 8 -watt	312	660
VL-8.MC	1 x 8 -watt	312	660
	1 x 8 -watt	254	520
VL-6.L	1 x 6-watt	365	700
VL-6.C	1 x 6-watt	254	710
VL-6.M	1 x 6-watt	312	680
VL-6.LC	1 x 6-watt	365	610
	1 x 6-watt	254	400
VL-6.LM	1 x 6-watt	365	610
	1 x 6-watt	312	580
VL-6.MC	1 x 6-watt	312	580
	1 x 6-watt	254	400
VL-4.L	1 x 4-watt	365	400
VL-4.C	1 x 4-watt	254	340
VL-4.LC	1 x 4-watt	365	350
	1 x 4-watt	254	265



UNFILTERED LAMPS

> black light and black light blue lamps

Our large range of unfiltered lamps is equipped with 1 to 3 low pressure tubes, with a power range from 4 to 40-watt each.

The black light (BL) lamps provide a 365 nm UV radiation, with visible light.

The black light blue (BLB) lamps provide a 365 nm UV radiation, without visible light (self-filtering tube).

Key features

- High UV output
- Ondulex® reflector for optimum UV irradiance
- Anodised aluminium housing for increased durability
- Lamp stand or holder to add versatility
- Ease of use

Specifications

Black light lamps

Models	Tubes (Watt)	Wavelength (nm)	Intensity ($\mu\text{W}/\text{cm}^2$)
VL-204.BL	2 x 4-watt	365 BL	715 ⁽¹⁾
VL-206.BL	2 x 6-watt	365 BL	1 215 ⁽¹⁾
VL-208.BL	2 x 8-watt	365 BL	1 400 ⁽¹⁾
VL-115.BL	1 x 15-watt	365 BL	50
VL-215.BL	2 x 15-watt	365 BL	108
VL-315.BL	3 x 15-watt	365 BL	147
VL-120.BL	1 x 20-watt	365 BL	60
VL-220.BL	2 x 20-watt	365 BL	129
VL-320.BL	3 x 20-watt	365 BL	177
VL-130.BL	1 x 30-watt	365 BL	106
VL-230.BL	2 x 30-watt	365 BL	228
VL-330.BL	3 x 30-watt	365 BL	312
VL-140.BL	1 x 40-watt	365 BL	140
VL-240.BL	2 x 40-watt	365 BL	302
VL-340.BL	3 x 40-watt	365 BL	413

Intensity at 1 meter except ⁽¹⁾ at 15 cm

Black light blue lamps

Models	Tubes (Watt)	Wavelength (nm)	Intensity ($\mu\text{W}/\text{cm}^2$)
VL-204.BLB	2 x 4-watt	365 BLB	660 ⁽¹⁾
VL-206.BLB	2 x 6-watt	365 BLB	1 120 ⁽¹⁾
VL-208.BLB	2 x 8-watt	365 BLB	1 300 ⁽¹⁾
VL-115.BLB	1 x 15-watt	365 BLB	46
VL-215.BLB	2 x 15-watt	365 BLB	100
VL-315.BLB	3 x 15-watt	365 BLB	136
VL-120.BLB	1 x 20-watt	365 BLB	55
VL-220.BLB	2 x 20-watt	365 BLB	119
VL-320.BLB	3 x 20-watt	365 BLB	163
VL-130.BLB	1 x 30-watt	365 BLB	98
VL-230.BLB	2 x 30-watt	365 BLB	210
VL-330.BLB	3 x 30-watt	365 BLB	288
VL-140.BLB	1 x 40-watt	365 BLB	129
VL-240.BLB	2 x 40-watt	365 BLB	279
VL-340.BLB	3 x 40-watt	365 BLB	381

Intensity at 1 meter except ⁽¹⁾ at 15 cm

GERMICIDAL LAMPS

> The destructor

The UV germicidal lamps help to prevent contamination in research laboratories, food factories or in medical environment. These lamps emit 254 nm UV radiation, well known for their efficiency in the destruction of bacteria, moulds, yeasts and viruses.

Key features

- High UV output
- Ondulex® reflector for optimum UV irradiance
- Anodised aluminium housing for increased durability
- Lamp stand or holder to add versatility
- Ease of use

Specifications

Models	Tubes (Watt)	Wavelength (nm)	Intensity ($\mu\text{W}/\text{cm}^2$)
VL-204.G	2 x 4-W	254	680 ⁽¹⁾
VL-206.G	2 x 6-W	254	1 400 ⁽¹⁾
VL-208.G	2 x 8-W	254	1 800 ⁽¹⁾
VL-115.G	1 x 15-W	254	31
VL-215.G	2 x 15-W	254	76
VL-315.G	3 x 15-W	254	95
VL-120.G	1 x 20-W	254	38
VL-220.G	2 x 20-W	254	95
VL-320.G	3 x 20-W	254	119
VL-130.G	1 x 30-W	254	60
VL-230.G	2 x 30-W	254	152
VL-330.G	3 x 30-W	254	191
VL-140.G	1 x 40-W	254	70
VL-240.G	2 x 40-W	254	157
VL-340.G	3 x 40-W	254	219

Intensity at 2 meters except ⁽¹⁾ at 15 cm

Bacteria	Energy in $\text{mW}\cdot\text{sec}/\text{cm}^2$ Sterilization up to 90%	Energy in $\text{mW}\cdot\text{sec}/\text{cm}^2$ Sterilization up to 99%
Bacillus anthracis	4,52	9,04
S. enteritidis	4,00	8,00
B. megatherium sp. (veg.)	1,30	2,60
B. megatherium sp (spores)	2,73	5,46
B. paratyphosus	3,20	6,40
B. subtilis	7,10	14,20
B. subtilis spores	12,00	24,00
Corynebacterium diphtheriae	3,37	6,74
Eberthella typhosa	2,14	4,28
Escherichia coli	3,00	6,00
Micrococcus candidus	6,05	12,10
Micrococcus sphaeroides	10,00	20,00
Neisseria catarrhalis	4,40	8,80
Phytomonas tumefaciens	4,40	8,80
Proteus vulgaris	2,64	5,28
Pseudomonas aeruginosa	5,50	11,00
Pseudomonas fluorescens	3,50	7,00
S. typhimurium	8,00	16,00
Sarcina lutea	19,70	39,40
Serratia marcescens	2,42	4,84
Dysentery bacilli	2,20	4,40
Shigella paradysenteriae	1,68	3,36
Spirillum rubrum	4,40	8,80
Staphylococcus albus	1,84	3,68
Staphylococcus aureus	2,60	5,20
Streptococcus hemolyticus	2,16	4,32
Streptococcus lactis	6,15	12,30
Streptococcus viridans	2,00	4,00

FACE SHIELD & GOGGLE

> Protect yourself

Lamps are powerful source of UV radiation. UV radiation is dangerous for unprotected eyes and skin. Short (254nm) and medium (312nm) waves are dangerous for the eyes and the skin. Long waves could affect sensitive persons or person under medical treatment. We strongly recommend users to protect themselves against UV radiation by wearing glasses or face shields.

MP-80 & MP-800 face shield/LP-70 Glasses

The MP-80 is recommended for the protection of the eye and the face. MP-800 is a face shield with two lateral protections to cover the operator ears in addition to his eyes and face. Comfortable and efficient, the LP-70 glasses provide total protection for the eyes.

CONVERSION SCREEN

> Light-up your search

The conversion screen converts the UV light into blue or white light. The FC-26.WL converts UV to white light and is ideal for autoradiographs or protein gels. The FC-26.Blue converts UV to blue light (480 nm) and it could be used for application such as GFP II, Syber Green or Sypro Orange. They both fit all Vilber Lourmat 312 nm transilluminators.

LAMP STANDS

> Hold it!

The lamp stands or the handlers give you ease of use and versatility. The lamp stand frees your hands. Lamp handle and bracket let you conveniently mount your lamp below a horizontal surface.

Specifications

Models	Type	Compatibility
SVL-30	Stand	For VL-215 and VL-115
SVL-6	Stand	For VL-8, VL-6 and VL-4
SMA	Handle	For VL-8, VL-6 and VL-4
SMU	Bracket	For VL-8, VL-6 and VL-4



UV VIEWING CABINET

> The industry standard

Compact, lightweight and versatile, our UV viewing cabinets are the perfect answer to your fluorescent analysis.

CN-15 CABINET

The CN-15 darkroom provides a large effective capacity and an UV power intensity unequalled in this field. The darkrooms offer any combination of UV sources, simultaneously or not.



Key features

- Large capacity
- Large black rubber curtain for easy access to the darkroom
- White-light bulb for normal observation
- UV absorber shield to protect the user from the UV light
- Removable bottom panel for use with a Vilber Lourmat ETX fluorescent table

CN-6 CABINET

The CN-6 darkroom welcomes one or two hand-held UV lamps (VL-6 model) in any of the three following wavelengths: 254, 365 or 312 nm. The darkroom is supplied without lamps and allows different lighting possibilities according to the user's choice.

Key features

- Large capacity
- Large black rubber curtain for easy access to the inside
- UV absorber shield to protect the user from the UV light
- Removable lamps that can be used for hand-held applications

Specifications

Models	Tubes (Watt)	Wavelength (nm)	Intensity at bottom ($\mu\text{W}/\text{cm}^2$)	Size - W x D x H (mm)
CN-15.LL	4 x 15-W	365	2 000	505 x 415 x 280
CN-15.CC	4 x 15-W	254	1 750	505 x 415 x 280
CN-15.MM	4 x 15-W	312	2 500	505 x 415 x 280
CN-15.LC	2 x 15-W	365	1 050	505 x 415 x 280
	2 x 15-W	254	900	
CN-15.LM	2 x 15-W	365	1 050	505 x 415 x 280
	2 x 15-W	312	1 300	
CN-15.MC	2 x 15-W	312	1 300	505 x 415 x 280
	2 x 15-W	254	900	
CN-6	Lamps not included			300 x 280 x 240



RADIOMETERS

> **precise and accurate**

The radiometers measure UV light intensity for a specific wavelength (254 nm, 312 nm or 365 nm). 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.

VLX-3W

The VLX-3W is a highly accurate and user friendly radiometer. The radiometer is controlled by a microprocessor to measure the UV radiation dosage according to two parameters: time (mn or sec) or energy (J/cm²). The VLX-3W is plugable to three interchangeable sensors.

VLX

VLX are single wavelength radiometers. They measure the UV intensity for either short wave (254 nm), medium wave (312 nm) or long wave (365 nm).

UVR-365

The UVR-365 is dedicated to fast and easy measurement of 365nm.

RMX-3W

The RMX-3W is designed for the control of an external device. The radiometer is controlled by a microprocessor to program and to measure the UV radiation dosage according to two parameters: time (mn or sec) or energy (J/cm²). The RMX-3W is connectable to three interchangeable sensors at the same time.



	VLX-3W	VLX	UVR-365	RMX-3W
	> With 3 interchangeable sensors, Hold button and storage of the minimum and maximum intensity.	> Radiometer with Hold button and recorder output.	> Fast and easy 365 measurement.	> Control and programme an external device.
Ordering information	VLX-3W radiometer Order sensors separately: • CX-254 sensor of 254nm • CX-312 sensor of 312nm • CX-365 sensor of 365nm	• VLX-254 radiometer with sensor 254nm • VLX-312 radiometer with sensor 312nm • VLX-365 radiometer with sensor 365nm	UVR-365 radiometer with sensor 365nm	RMX-3W radiometer Order sensors separately: • CX-254 sensor of 254nm • CX-312 sensor of 312nm • CX-365 sensor of 365nm
Measurement range	Intensity: 0 to 350 mW/cm ² Energy: 0 to 99999 joules/cm ² Time: 0s to 99 hours	Intensity: 0 to 200 mW/cm ²	Intensity: 0 to 19.99 mW/cm ²	Intensity: 0 to 400 mW/cm ² Energy: 0 to 99999 joules/cm ² Time: 0s to 99 hours
Integrated bandwidth with spectral curves of low pressure lamps	• CX-254 Bandwidth: monochromatic • CX-312 Bandwidth: 280 to 320nm • CX-365 Bandwidth: 355 to 375nm	• VLX-254 Bandwidth: monochromatic • VLX-312 Bandwidth: 280 to 320nm • VLX-365 Bandwidth: 355 to 375nm	• Bandwidth: 354 to 376	• CX-254 Bandwidth: monochromatic • CX-312 Bandwidth: 280 to 320nm • CX-365 Bandwidth: 355 to 375nm
Resolution	Auto-ranging 1 st range: 0.000 to 3.500 mW/cm ² 2 nd range: 3.51 to 35.00 mW/cm ² 3 rd range: 35.1 to 350.0 mW/cm ²	Auto-ranging 1 st range: 0.000 to 1.999 mW/cm ² 2 nd range: 2.00 to 19.99 mW/cm ² 3 rd range: 20.0 to 200 mW/cm ²	0 to 19.99 mW/cm ²	Auto-ranging 1 st range: 0.000 to 3.500 mW/cm ² 2 nd range: 3.51 to 35.00 mW/cm ² 3 rd range: 35.1 to 400.0 mW/cm ²
Display type	LCD display, 4 lines 16 characters	LCD display, 3 1/2 digit	LCD display, 3 1/2 digit	LCD display, 4 lines 40 characters
Analog output	0 to 3.5 V for 0 to 350 mW/cm ²	0 to 2.0 V for 0 to 200 mW/cm ²	None	0 to 4.0 V for 0 to 400 mW/cm ²
Sensors	Silicon photo-electric cell Interference filter Diffuser in quartz	Silicon photo-electric cell Interference filter Diffuser in quartz	Silicon photo-electric cell Pass-band filter Diffuser in quartz	Silicon photo-electric cell Interference filter Diffuser in quartz
Sensor accuracy	±5%	±5%	±7%	±5%

BIO-SUN

The Bio-Sun is a complete, microprocessor controlled UV irradiation system designed for Petri dishes or microplates.

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 UV sensors, the irradiation cycles are perfectly reproducible, regardless of intensity fluctuation of the UV source. Just programme your energy and Bio-Sun delivers it !

Key features

- Two UV sources (365nm and 312nm)
- Irradiation area for Petri dishes : 340 x 120mm
- Irradiation area for microplates : 260 x 90mm
- Sterilized tray by 254 germicidal tubes
- Irradiation homogeneity $\pm 7\%$
- Automatic and continuous control of the UV irradiation
- Data acquisition controlled by microprocessor
- Irradiation time less than 10 minutes for a programmed 150mJ/cm²
- Maximum 4 UV measurements per second
- Tray temperature does not exceed 30°C (86°F) for room temperature of 20°C (68°F)
- Optional interface enabling connection between the Bio-Sun and a computer for data monitoring and recording

BIO-SPECTRA

Bio-Spectra is an irradiation system for photo-sensibilization testing on laboratory animals (photo-toxicity, photo-allergy,...). The UV irradiation dosage is programmed by the user. The UV sensor continuously measures the irradiation which stops automatically when the energy received matches the energy programmed. Thus, the system ensures an absolute reproducibility.

Key features

- Three irradiation modes (365nm or 312nm or both)
- Large irradiation area: 900 x 80 mm, enough to accommodate 10 guinea pigs simultaneously
- Excellent homogeneity of the irradiated area
- Automatic and continuous control of the UV irradiation
- Data acquisition controlled by microprocessor
- At animal level, temperature does not exceed 30°C (86°F) for room temperature of 20°C (68°F)
- Optional interface enabling connection between the Bio-Spectra and a computer for data monitoring and recording

