



UVP

- **BiImaging Systems**
- **Ultraviolet Products**
- **Laboratory Equipment**
- **Light Sources**

Life Science | Education | Pharmaceutical | Biotechnology | Forensics | Industrial

TRANSILLUMINATORS

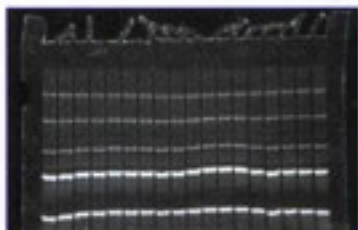
All UVP transilluminators provide back-illumination of transparent fluorescent materials over the full working surface of the filter area. UV Transilluminators are equipped with an ultraviolet blocking cover to shield the user from UV radiation. The base is painted with a high-quality, scratch-resistant powder coat. Models include a stainless steel top assembly or powder coat paint. Transilluminators carry a two-year warranty.

FirstLight® Uniform UV Illuminator



FirstLight UV Illuminator with its unique design (patent pending) provides uniform UV illumination, which is critical for accurate quantitative analysis

The FirstLight UV Illuminator represents a unique highly uniform 302nm UV excitation source for quantitative fluorescent imaging in a wide range of applications.



- Produces <5% coefficient of variance (CV) across the full filter area
- Exceptionally uniform, edge-to-edge illumination
- Accurate gel to gel comparison
- Uniformity ensures consistent illumination over the imaging surface resulting in high quality images
- Applications range from DNA and protein gel documentation and analysis

Achieve accurate and reproducible RNA and DNA protein results. The illuminator emits 302nm UV excitation and combined with a patented phosphor coating configuration generates exceptionally uniform UV illumination over each band and lane. Multiple gels may be placed on the surface with assurance of uniformity for each gel.

When other wavelengths are required, optional plates convert 302nm for fluorescence of various stains. See page 22 for **converter plates**.

FirstLight and 3UV models are patented and available only from UVP!

Ordering Information

FI-26X , 302nm UV Filter Size 25 x 26cm	95-0364-01 (115V) 95-0364-02 (230V)
FI-20 , 302nm UV Filter Size 20 x 20cm	95-0365-01 (115V) 95-0365-02 (230V)
FI-26 , 302nm UV Filter Size 21 x 26cm	95-0366-01 (115V) 95-0366-02 (230V)

Dimensions: 11D x 14W x 5.63H in. (279 x 356 x 143mm)
Height includes UV blocking cover

Benchtop UV Transilluminators

3UV™ Benchtop Models

UVP's patented 3UV Benchtop Transilluminator allows selection of 8-watt longwave, midrange or shortwave in one compact unit.

- View gels using longwave UV for extended periods of time reducing photonicking damage
- Switch to midrange to increase the fluorescence for photodocumentation
- Use shortwave to irradiate samples
- Compact size is an alternative to larger High Performance UV Transilluminators
- Stainless steel filter assembly

Unique 3UV benchtop models allow researchers to switch between 254, 302 or 365nm UV wavelengths in one unit.



Replacement Tubes

Tube, 8-watt, 254nm UV	34-0007-01
Tube, 8-watt, 302nm UV	34-0042-01
Tube, 8-watt, 365nm UV	34-0006-01

Ordering Information

LMS-20 Single Intensity 254/302/365nm UV Filter Size 20 x 20cm Replacement Filter	95-0417-01 (100-115V) 95-0417-02 (230V) 38-0313-07
LMS-26 Single Intensity 254/302/365nm UV Filter Size 21 x 26cm Replacement Filter	95-0414-01 (100-115V) 95-0414-02 (230V) 38-0313-08

Dimensions: 11D x 14W x 5.4H in. (279 x 356 x 137mm) Height includes UV blocking cover.

2UV™ Benchtop Transilluminators

The 2UV models allow users to switch between 302nm and 365nm UV wavelengths in one unit.

- A single intensity setting and 8-watt 302/365nm UV tubes are standard
- Select from 20x20 or 21x26cm filter areas

Ordering Information

LM-20	
Single Intensity 302/365nm UV	95-0449-01 (100-115V)
Filter Size 20 x 20cm	95-0449-02 (230V)

LM-26	
Single Intensity 302/365nm UV	95-0459-01 (100-115V)
Filter Size 21 x 26cm	95-0459-02 (230V)

Dimensions of 2UV, Single and Variable Intensity Models:
11D x 14W x 4.8H in. (279 x 356 x 122mm) Height includes UV blocking cover. Weight: 9.6 lb. (4.4 kg)

Single Intensity and Variable Intensity Benchtop Models



Variable Intensity Models feature adjustable intensity with selection of high, medium and low settings.

Replacement Tubes

Tube, 8-watt, 254nm UV	34-0007-01
Tube, 8-watt, 302nm UV	34-0042-01
Tube, 8-watt, 365nm UV	34-0006-01

Mini Benchtop Transilluminator



Mini benchtop model M-10E is an economical transilluminator using 6-watt, 302nm tubes. This model is excellent for educational purposes.

Dimensions:

7.25D x 10.25W x 4.5H in. (184 x 260 x 114mm) Height includes UV blocking cover. Weight: 7.7 lb. (3.5 kg)



3UV, 2UV, Single UV and Variable Intensity Benchtop models (except Mini) feature increased performance and efficiency with the electronic ballast and cutting-edge construction produce higher UV intensity and uniformity and instant start up.

Benchtop models include the economical, compact single intensity and variable intensity transilluminators which are equipped with 8-watt, 302nm UV tubes. The variable intensity models feature:

- High setting allows UV excitation of fluorophores on gels for routine photography. Also excites gels with low sample concentration.
- The medium intensity is excellent for viewing and quick single-band excision.
- Low setting is used for positioning and preparation of the gel, excising multiple bands, and focusing for photography.

For Gel Tools and Converter Plates, see page 22.

Ordering Information

M-15 Single Intensity	95-0455-01 (100-115V)
302nm UV, Filter 15 x 15cm	95-0455-02 (230V)
Replacement Filter	38-0313-03

M-15V Variable Intensity	95-0456-01 (100-115V)
302nm UV, Filter 15 x 15cm	95-0456-02 (230V)
Replacement Filter	38-0313-09

M-20 Single Intensity	95-0447-01 (100-115V)
302nm UV, Filter 20 x 20cm	95-0447-02 (230V)
Replacement Filter	38-0313-01

M-20V Variable Intensity	95-0452-01 (100-115V)
302nm UV, Filter 20 x 20cm	95-0452-02 (230V)
Replacement Filter	38-0313-07

M-26 Single Intensity	95-0457-01 (100-115V)
302nm UV, Filter 21 x 26cm	95-0457-02 (230V)
Replacement Filter	38-0313-02

M-26V Variable Intensity	95-0458-01 (100-115V)
302nm UV, Filter 21 x 26cm	95-0458-02 (230V)
Replacement Filter	38-0313-08

M-26XV Variable Intensity	95-0413-01 (100-115V)
302nm UV, Filter 25 x 26cm	95-0413-02 (230V)
Replacement Filter	38-0163-04

Ordering Information

M-10E Single Intensity	95-0180-01 (115V)
302nm UV, Filter Size 10 x 10cm	95-0180-02 (230V)
Tube, 6-watt, 302nm	34-0044-01
Replacement Filter	38-0150-01

High Performance UV Transilluminators

Single Wavelength High Performance UV Transilluminators

All High Performance UV Transilluminators include the exclusive 25-watt ultraviolet tubes and provide a total of 100-watts of brilliant UV illumination.

- Deliver high UV output and intensity, no light flicker, fast lamp start-up and reduced electrical consumption
- Stainless steel frame enables easy cleaning
- The back-lit UV illumination is further enhanced with UVP's UVG long-life filter and uniformity screen
- UV blocking cover, included with each transilluminator, is adjustable for access to the filter surface

Variable Intensity High Performance UV Transilluminators

- Choose a model with shortwave (254nm), midrange (302nm) or longwave (365nm) UV for high fluorescence and sensitivity of stained gels
- Variable intensity settings allow the researcher to select high, medium or low settings

High Performance 2UV Transilluminators

2UV models are the same size and design as other high performance models but are equipped with midrange (302nm) and longwave (365nm) UV in each unit.



Ordering Information

TFML-20	95-0431-01 (100-115V)
Single Intensity 302/365nm UV	95-0431-02 (230V)
Filter Size 20 x 20cm	
Replacement Filter	38-0190-02
TFML-26	95-0425-01 (100-115V)
Single Intensity 302/365nm UV	95-0425-02 (230V)
Filter Size 21 x 26cm	
Replacement Filter	38-0190-09
TFML-30	95-0432-01(100-115V)
Single Intensity 302/365nm UV	95-0432-02 (230V)
Filter Size 25 x 30cm	
Replacement Filter	38-0190-12
TFML-40	95-0426-01 (100-115V)
Single Intensity 302/365nm UV	95-0426-02 (230V)
Filter Size 20 x 40cm	
Replacement Filter	38-0190-04



TFM-40V High Performance UV Transilluminator with variable intensity and 20x40cm filter. The hinged UV blocking cover is adjustable to different angles for access to the filter surface.

Replacement Tubes

Tube, 25-watt, 254nm	34-0073-01
Tube, 25-watt, 302nm	34-0072-01
Tube, 25-watt, 365nm	34-0060-01

Ordering Information

TFM-20V	95-0423-01 (100-115V)
Variable Intensity 302nm UV	95-0423-02 (230V)
Filter Size 20 x 20cm	
Replacement Filter	38-0190-02
TFM-26V	95-0422-01 (100-115V)
Variable Intensity 302nm UV	95-0422-02 (230V)
Filter Size 21 x 26cm	
Replacement Filter	38-0190-09
TFM-30V	95-0424-01 (100-115V)
Variable Intensity 302nm UV	95-0424-02 (230V)
Filter Size 25 x 30cm	
Replacement Filter	38-0190-11
TFM-40V	95-0421-01 (100-115V)
Variable Intensity 302nm UV	95-0421-02 (230V)
Filter Size 20 x 40cm	
Replacement Filter	38-0190-04
TFL-40V	95-0420-01 (100-115V)
Variable Intensity 365nm UV	95-0420-02 (230V)
Filter Size 20 x 40cm	
Replacement Filter	38-0190-10
TFS-20V	95-0427-01 (100-115V)
Variable Intensity 254nm UV	95-0427-02 (230V)
Filter Size 20 x 20cm	
Replacement Filter	38-0190-02
TFS-26V	95-0428-01 (100-115V)
Variable Intensity 254nm UV	95-0428-02 (230V)
Filter Size 21 x 26cm	
Replacement Filter	38-0190-09
TFS-30V	95-0429-01 (100-115V)
Variable Intensity 254nm UV	95-0429-02 (230V)
Filter Size 25 x 30cm	
Replacement Filter	38-0190-11
TFS-40V	95-0430-01 (100-115V)
Variable Intensity 254nm UV	95-0430-02 (230V)
Filter Size 20 x 40cm	
Replacement Filter	38-0190-04

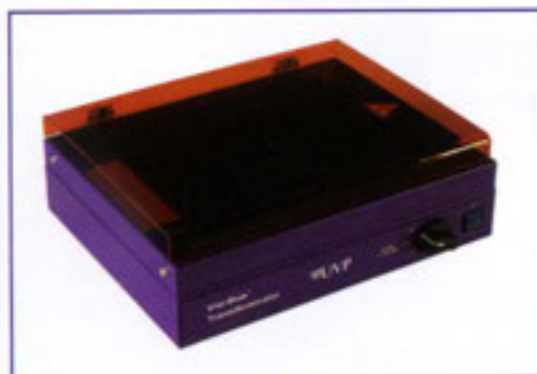
Dimensions for all High Performance UV Transilluminators:

13.25D x 19.13W x 5.63H in. (337 x 486 x 143mm)
Height includes UV blocking cover.

Visi-Blue™ Transilluminators

Visi-Blue transilluminators are excellent for use with blue 460-470nm excitation samples and SYBR Green, SYPRO Orange and GFP stains. A special amber camera filter (50mm sq) is included when photographing gels.

- Visi-Blue transilluminators and converter plates minimize photonicking of DNA samples
- The amber protective cover blocks blue light transmission, allows visualization of most samples above 500nm
- **VB-26V** is a compact 8-watt model while the **VB-40V** is a large format 25-watt model



VB-26V Visi-Blue Transilluminator patented design converts UV light to 460-470nm.

Dimensions: Height includes amber cover

VB-26V 11D x 14W x 4.8H in. (279 x 356 x 122mm) Wt: 15 lb. (6.8 kg)

VB-40V 13.25"D x 19.13"W x 5.64"H (337 x 486 x 143mm)

Wt: 21 lb. (9.6 kg)

Ordering Information

VB-26 8-watt Variable Intensity	95-0461-01 (100-115V)
Filter Size 21 x 26cm	95-0461-02 (230V)
Replace. Tube, 365nm BLB	34-0056-01
Replacement Filter	38-0313-06
VB-40V 25-watt Variable Intensity	95-0433-01 (100-115V)
Filter Size 20 x 40cm	95-0433-02 (230V)
Replace. Tube, 365nm BLB	34-0060-01
Replacement Filter	38-0215-01

White Light Transilluminators



White Light Transilluminators offer uniform light diffusion for autoradiographs, film positives, negatives, X-ray film, microtiter plates and gels.

Plexiglass and glass filter plates are sealed into the unit for durability.

Work areas of 21 x 26cm or 36 x 43cm.

White/UV Transilluminators

White/UV transilluminators have 20 x 20cm white light and UV filter areas side by side. Design improves efficiency and performance.

- White light can be used for viewing Coomassie blue and silver stained protein gels, autoradiographs and microtiter plates
- The UV side can be used for viewing Ethidium Bromide and other stained gels



White/UV Transilluminator Easily switch between the UV and white light sources.

Ordering Information

TLW-20 8-watt	95-0415-01 (100-115V)
365nm UV/White	95-0415-02 (230V)
Filter Size 20 x 20cm	
Replacement Filter	38-0189-08
TMW-20 8-watt	95-0415-04 (100-115V)
302nm UV/White	95-0415-05 (230V)
Filter Size 20 x 20cm	
Replacement Filter	38-0189-05
LMW-20 8-watt	95-0418-01 (100-115V)
365/302nm UV/White	95-0418-02 (230V)
Filter Size 20 x 20cm	
Replacement Filter	38-0189-05
Replacement Tube, White	34-0056-01
Replacement Tube, 365nm	34-0006-01
Replacement Tube, 302nm	34-0042-01

Dimensions: Height include UV blocking cover
13.25D x 19.13W x 5.64H in. (337 x 486 x 143mm)
Weight: 21 lb. (9.6 kg)

Ordering Information

TW-26 8-watt	95-0208-01 (115V)
Filter Size 21 x 26cm	95-0208-02 (230V)
Replacement Tube	34-0056-01
Replacement Filter	38-0161-04
TW-43 14-watt	95-0214-01 (115V)
Filter Size 36 x 43cm	95-0214-02 (230V)
Replacement Tube	34-0059-01
Replacement Filter	38-0165-01

Dimensions:

TW-26 9.5D x 13.25W x 4.25H in. (241 x 337 x 108mm)
Wt: 8 lb. (3.8 kg);

TW-43 19.1D x 16W x 4.25H in. (486x406x108mm)
Wt: 19 lb. (8.6 kg)