

# Transilluminators

All UVP transilluminators provide UV back-illumination of transparent fluorescent materials over the full working surface of the filter area. 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.

## FirstLight® Uniform UV Illuminator



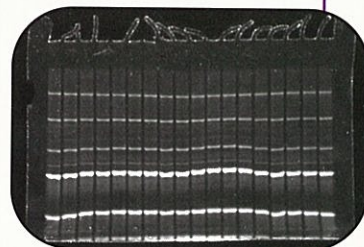
**FirstLight UV Illuminator** the unique design (patent pending) provides uniform UV illumination, which is critical for accurate quantitative analysis

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 to In-Vivo imaging.

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. Each gel receives consistent UV illumination over each band and lane. Multiple gels may be placed on the surface with assurance of uniformity for each gel.

**Note:** When other wavelengths are required, optional plates convert 302nm for fluorescence of various stains. See page 7 for **converter plates**.



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

### Ordering Information

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

UVP's patented 3UV Benchtop Transilluminator allows selection of longwave, midrange or short-wave 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

**3UV Benchtop** allows researchers to switch between 254, 302 or 365nm UV wavelengths in one unit. Patented design only from UVP.



### Ordering Information

<b>LMS-20E 3UV</b> 254/302/365nm UV Filter Size 20 x 20cm Replacement Filter	95-0220-01 (115V) 95-0220-02 (230V)  38-0313-01
<b>LMS-26E 3UV</b> 254/302/365nm UV Filter Size 21 x 26cm Replacement Filter	95-0224-01 (115V) 95-0224-02 (230V)  38-0313-02

Dimensions: 11D x 14W x 5H in. (279 x 356 x 143mm) Height includes UV blocking cover Weight: 17 lb. (7.7kg)

### Replacement Tubes

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



## 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 ultraviolet tubes are standard
- Select from 20x20 or 21x26cm filter areas

### Ordering Information

<b>LM-20E 2UV</b> 302/365nm UV Filter Size 20 x 20cm Replacement Filter	95-0212-01 (115V) 95-0212-02 (230V)  38-0161-01
<b>LM-26E 2UV</b> 302/365nm UV Filter Size 21 x 26cm Replacement Filter	95-0223-01 (115V) 95-0223-02 (230V)  38-0161-02

### Single UV and High/Low Intensity Benchtop Models



*Hi/Lo Intensity Models offer a variety of filter sizes and intensity settings.*

Dimensions: 9.5D x 13.25W x 4.75H in. (241 x 337 x 121mm) Height includes UV blocking cover.  
Weight: 15 lb. (6.8 kg)

### 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)



Dimensions: 9.5D x 13.25W x 4.75H in. (241 x 337 x 121mm) Height includes UV blocking cover.  
Weight: 15 lb. (6.8 kg)

Economical, small benchtop transilluminators are equipped with 8-watt, 302nm tubes.

- The Low setting reduces photoniccking of gel samples during prep work
- The High setting may be used in analytical documentation

### Ordering Information

<b>M-15E Single Intensity</b> Filter Size 15 x 15cm Replacement Filter	95-0218-01 (115V) 95-0218-02 (230V) 38-0161-03
<b>M-15 Hi/Lo Intensity</b> Filter Size 15 x 15cm Replacement Filter	95-0219-01 (115V) 95-0219-02 (230V) 38-0161-03
<b>M-20E Single Intensity</b> Filter Size 20 x 20cm Replacement Filter	95-0210-01 (115V) 95-0210-02 (230V) 38-0161-01
<b>M-20 Hi/Lo Intensity</b> Filter Size 20 x 20cm Replacement Filter	95-0216-01 (115V) 95-0216-02 (230V) 38-0161-01
<b>M-26E Single Intensity</b> Filter Size 21 x 26cm Replacement Filter	95-0221-01 (115V) 95-0221-02 (230V) 38-0161-02
<b>M-26 Hi/Lo Intensity</b> Filter Size 21 x 26cm Replacement Filter	95-0222-01 (115V) 95-0222-02 (230V) 38-0161-02
<b>M-26X Hi/Lo Intensity</b> Filter Size 25 x 26cm Replacement Filter	95-0333-01 (115V) 95-0333-02 (230V) 38-0163-04

### Replacement Tubes

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

### Ordering Information

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