



## EFFICIENCY & SECURITY

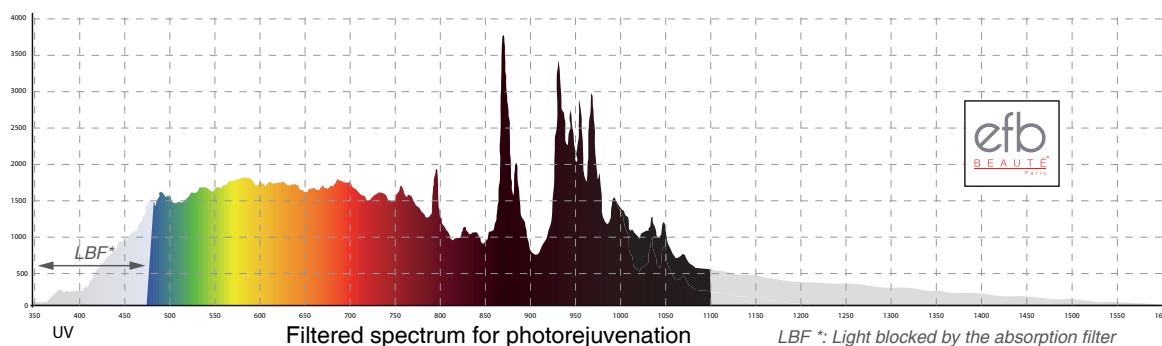
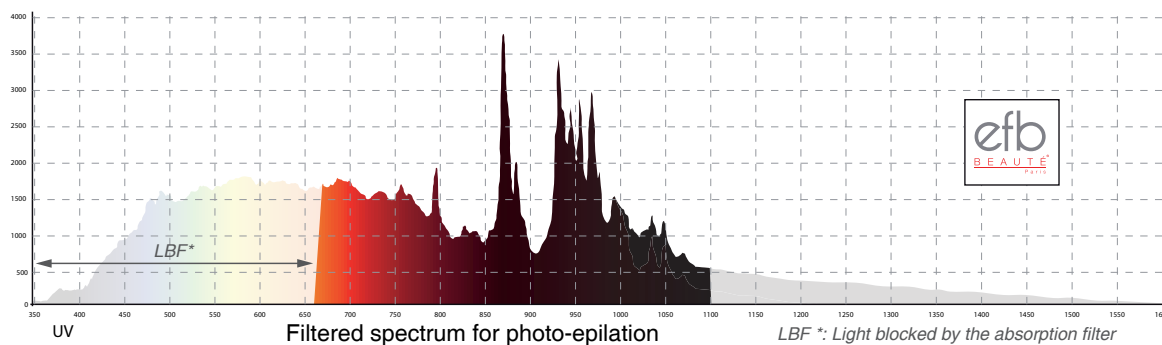
Just like you, our priorities are the safety and efficiency of care; that is why all the EFB beauté® handpieces are equipped with solution-dyed absorption filters...

### Why filter light?

The light emitted by a flashlamp (IPL) is a white multidirectional broad spectrum light which enables several types of treatments (such as photo-epilation or photorejuvenation) using a single machine.

The light energy must be of good quality, that is well-filtered, well-calibrated and accurate, to provide effective and secure treatment.

The parts of the light spectrum that are harmful (UVA-UVB) are filtered out and so deleted.



Depending on the type of treatment, the filtering of the light may vary to better reach the target:

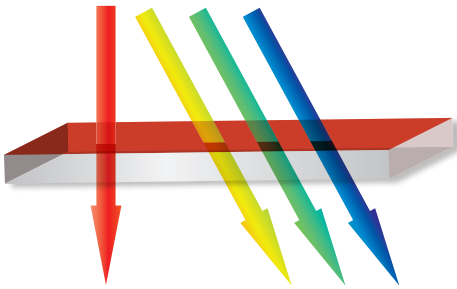
- red filter enabling a light spectrum from 610 nm to 1100 nm to reach the hair melanin in the case of photo-epilation.
- yellow filter enabling a spectrum ranging from 475 to 1100 nm to reach the blood in the case of a rejuvenation treatment.

## How is the light filtered?

The light emitted from a flash lamp is polychromatic and multidirectional unlike laser. In the case of photo-epilation, the red light will be selectively absorbed by the pigments of the hair. It must be perfectly filtered for maximum efficiency and safety.

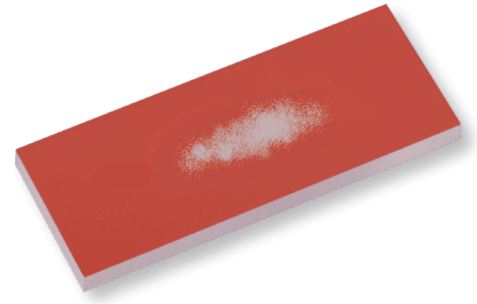
Two types of filters are currently used by manufacturers:

**The dichroic filter:** This filter is commonly used in the majority of IPL machines sold around the world. Its characteristics enable it to only filter the light which passes through at right angles. All rays that are not perpendicular to the filter (for example blue, yellow, green colors) pass directly through the filter. Moreover, the dichroic layer covering the filter may deteriorate rapidly through usage, allowing the whole light spectrum to pass through.

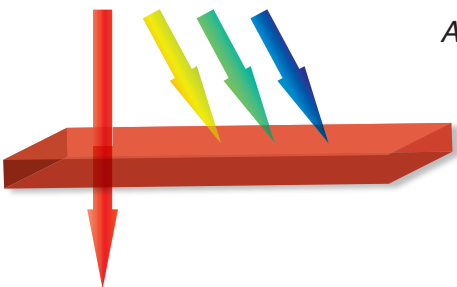


*Risk of burning and emission of UV light.*

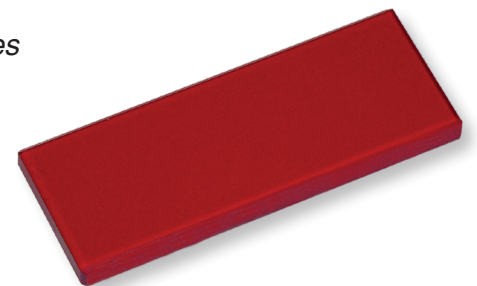
*Risk of stripping the dichroic filter layer.*



**The absorption filter:** This is the filter used in the EFB Beauté® IPL equipment, it filters all multidirectional rays of light emitted. It is therefore ideally suited for flash lamps. In the case of photo-epilation, the spectrum light is filtered to enable only the red light to pass through. Efficiency is total without risk for the skin.



*A solution-dyed absorption filter enables only red light to pass through. In addition, it is unalterable so providing continual performance.*



### Advantages of EFB Beauté® absorption filters

- ✓ Optimal filtering of light
  - Only the useful and secure light is retained
  - efficiency of care because only the target is reached
- ✓ Improved durability in time
  - Unalterable through use offering constant performance
  - Enables ongoing, safe and efficient treatment

**With EFB beauté® absorption filter handpieces, ensure secure and effective care for your customers.**

