

## UFLEX™ LED UV-A ceiling lamp range

The UFLEX™ is a UV-lamp that illuminates a surface evenly and flexibly in fields such as fluorescence, thanks to its low-power UV.

The lamp is **flexible** in terms of **size and intensity of illumination**, depending on the intended use. This **tailor-made range** adapts to the areas to be illuminated, whether in terms of surface or distance, making it ideal for washing stations, inspection, as well as its integration to machines.



A manual and an automated version are available, depending on user parameters.

- Its **lightweight yet sturdy design** fits perfectly into harsh environments and manual applications, from **IP54 to IP67**.
- Its length is **flexible**, adapting to different constraints: from 10 to 200cm.
- **Low energy consumption**, and up to half the consumption of tubes-lamps.
- This optical length can be adjusted per block of 5 LEDs (*a block measuring 10 or 20 cm*).
- Up to 50  $\mu\text{W}/\text{cm}^2$  UV-A irradiance at 4.5 meters in general ambient conditions.
- The lighting is **easy to use** for inspection and washing by manual fluorescence.

### The different options

There are four different UFLEX™ bars designed for different uses:

- UFLEX L1 35°: one DEL every 2cm (*L1*), intermediate to long working distance
- UFLEX L1 65°: one DEL every 2cm (*L1*), intermediate to short working distance
- UFLEX L2 35°: one DEL every 5cm (*L2*), intermediate working distance
- UFLEX L2 65°: one DEL every 5cm (*L2*), short working distance

**UFLEX™ L1** bars therefore offer higher, more powerful lighting intensity thanks to their closely-spaced DELs, while **UFLEX™ L2** has a more moderate lighting intensity due to its more widely-spaced DELs, and a lower price (*half DELs*). Similarly, the degree of illumination of the DELs means that each bar can be adapted to specific needs.



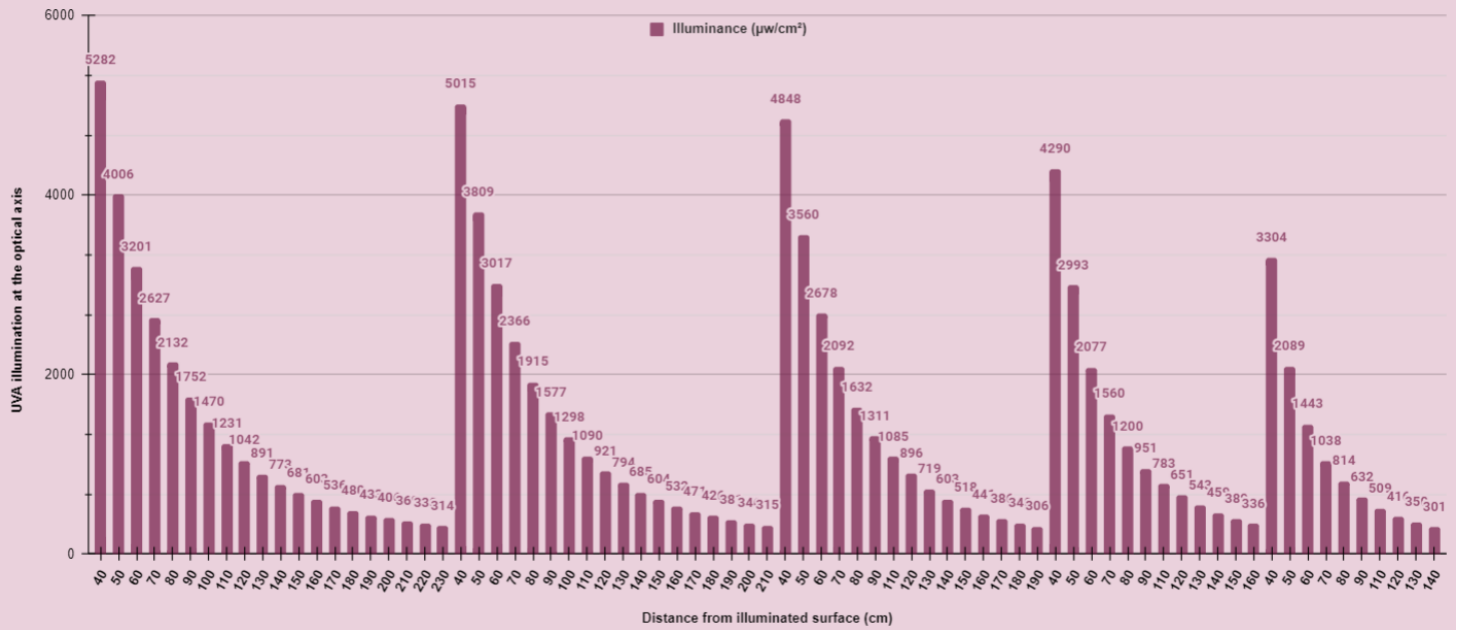
The electronics are available in two configurations:

- A **Plug&Play version**, with power supply and cables to plug into the power supply and manage lighting via the power supply switch.
- An **integrated version with an external driver** to be connected to the power supply and potentially manage several lights simultaneously with a switch.

Each UFLEX™ bar is sold in a transport box, and with a 2, 5 or 10m cable according to your need. Ball joints are also supplied for the attachment, necessary every 60cm.

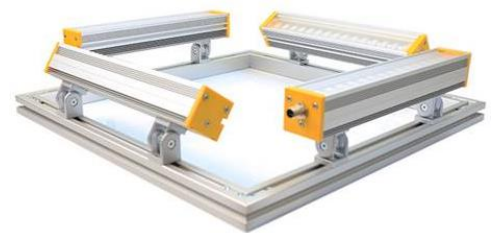
Thanks to BABBCO's **lighting measuring work**, we can calculate the number and spacing of ceiling lights required for optimum and customized application. In fact, depending on the length of the UFLEX bar, and consequently on the number of LEDs in the lamp, the inspection zone will be larger or smaller (*with a minimum intensity of 150  $\mu\text{W}/\text{cm}^2$* ). It is also possible to obtain **mixed UV-A + WHITE warm or cold lighting** on the same bar (*only on L2s, in order to have the necessary interval to increment the visible diodes*).

L1 35° one DEL 365 every 2cm  
 illuminance at the lamp axis from max. at 40cm to min. of 300  $\mu\text{w}/\text{cm}^2$   
 30 / 25 / 20 / 15 / 10 DELS



**Manual dimmers** are also available to vary UV intensity or UV and white light intensities independently, depending on the type of bar.

Finally, it's also possible to **attach the bar to a support** and vary the angle of illumination in relation to the axis. For this purpose, we offer **ball joints** that can be attached to different supports (*a pair of ball joints every 600mm*).



**This sheet cancels and replaces the previous one.**

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