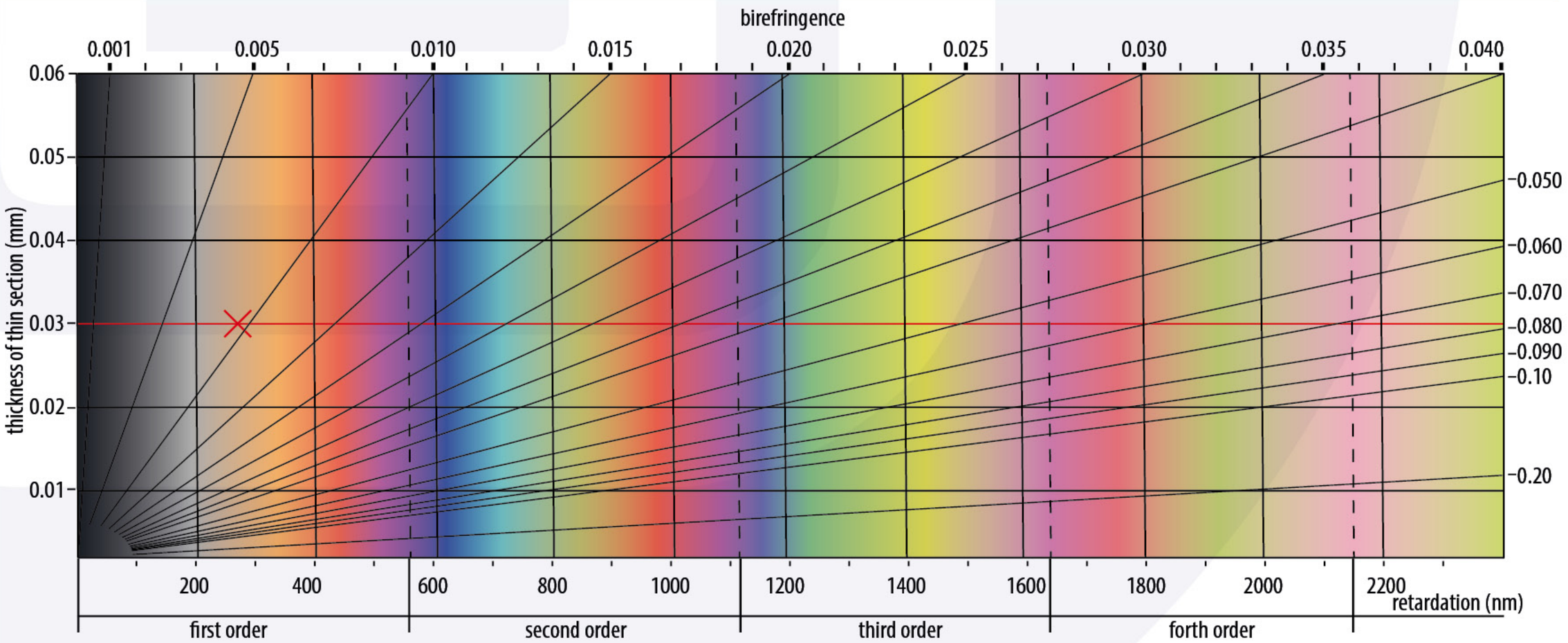
euromex®
TECHNICAL FACTS

about
dual colored LED

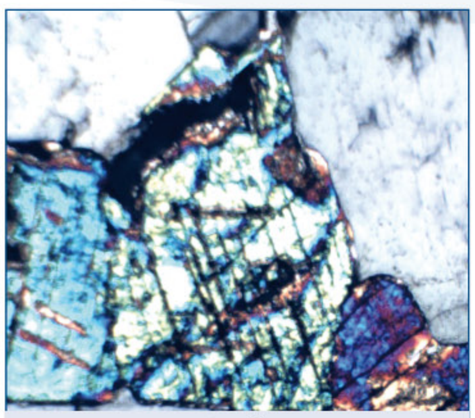
Benefits to have dual colored LED Illumination 6000 K (cool white) and 3200 K (warm white))
in petrology and general microscopy

In petrology, the ability to switch between these color temperatures allows for optimized visualization of different mineral compositions: **6000 K** enhances contrast and clarity of fine crystal structures, while **3200 K** improves the visibility of features in darker or iron-rich minerals. The 3200 K light enables the correct color comparison with the Michel-Lévy table

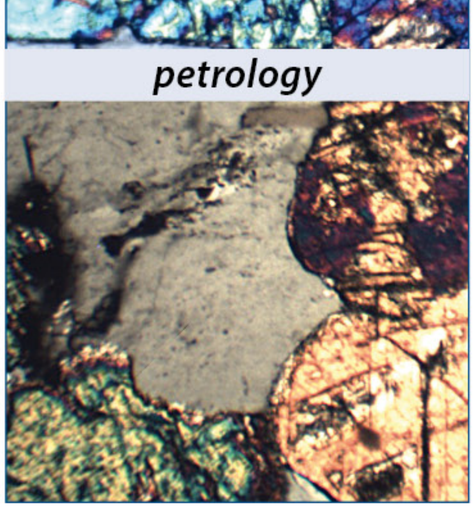
● *Michel-Lèvy table*

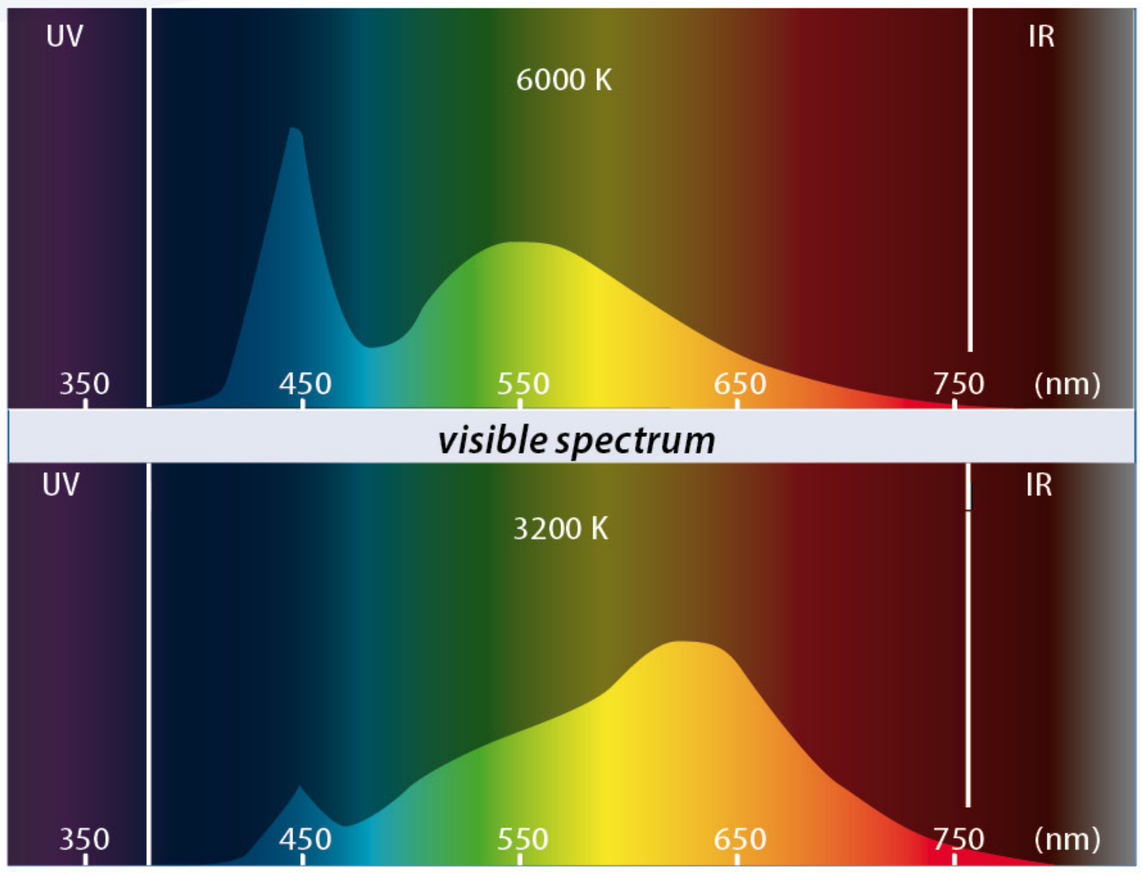


In brightfield microscopy, the dual illumination system enables accurate color rendering across a range of specimens and staining types, improving observational quality under varying sample conditions. The 6000 K setting enhances resolution and contrast, particularly useful for unstained or weakly stained specimens by improving the visibility of fine structural details. Conversely, the 3200 K setting provides more accurate color rendering for stained biological samples and reduces glare or oversaturation in pigmented tissues

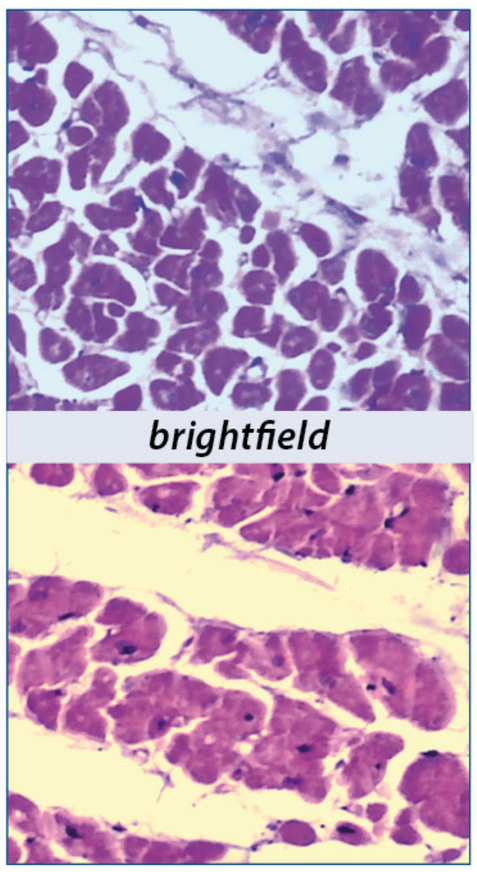


petrology





visible spectrum



brightfield