



Light is Vision

60 Years of Volpi

On the road to success with optoelectronic light systems:

Mastering light and harnessing its technical possibilities is the foundation for many developments that shape our lives today, from LED lighting, imaging sensors and light and color measurement all the way up to RGB lasers. Since 1953 Volpi has been meeting these challenges (Illustration 1) and can now proudly celebrate its 60-year company anniversary. Since it brought the first LED light sources onto the market about 15 years ago, the Swiss company has continuously furthered development work in optics, electronics and photonics with considerable successes. With locations in Schlieren (Switzerland, Illustration 2) and Auburn (NY, USA), the company is well-located in the center of the European and American economic areas.

Volpi develops and produces optoelectronic light and measurement systems as well as fiber-optic subsystems which – thanks to the interdisciplinary technological expertise of their developers – meet the high requirements of the target markets (Illustration 3). Today, the fields of life science, medical technology and image processing (machine vision) are the company's core areas. Central to this are customized solutions that can be well-integrated in the most varied applications and are coordinated with the respective application requirements. The Swiss light specialists are thus also equipped for the future.



One of the first customers Hans A. Traber, a pioneer of science journalism in Swiss television, was one of the first customers of Volpi. In his program, "World of Wonder Through the Microscope," he opened up access to microbiology for a wide audience. It was Volpi that supplied him with the cold light sources and lighting components for this microscopy. (copyright SRF)



Illustration 2: Volpi turns 60
Along with its Schlieren (Switzerland) location, the company also has a base in Auburn (NY). (photo: Volpi)



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Illustration 3: Using this gummy bear for exhibition demonstration purposes, Volpi shows its core expertise in the development and production of demanding light systems. The demonstration setup consists of a light source for small fiber cross sections of 0.7 mm, fiber optic light conductors and micro-optic systems for beam guidance and control, collimation optics and fiber light conductors for detection and a mini-spectrometer for spectral analysis of transmission and absorption spectra of test objects (gummy bears). Volpi builds similar light measurement systems for fluorescence, absorption and Raman measurements, electrophoresis, etc., that are used in life science and diagnostics. (photo: Volpi)

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