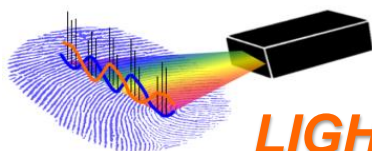


LIGHTcube Application Guide 08/2018



This document provides general information on which wavelength of LIGHTcubes can be used for which application and for selecting fitting Safety & Viewing Glasses and Camera Filters. This information is not prescriptive since variations in the evidence material and the circumstances of carrying out the examination may require the user to vary wavelengths of light sources and filters.

LIGHTcube	Type	Application	Sample Images	Viewing Glasses & Camera Filter
	<p>LIGHTcube NWW5000 Neutral White 5000K wide beam angle</p> <p>&</p> <p>LIGHTcube DLW6500 Day Light White 6500K wide beam angle</p>	<p>Suitable for general search of various evidence matter.</p> <p>The neutral white light 5000K of NWW5000 is in particular good for enhanced contrast in e.g. finger and foot prints in dust. Day Light White of DLW6500 is the preferred choice for color correct photography.</p>		<p>no filter or safety goggles/glasses required</p>
	<p>LIGHTcube UV365 ultraviolet 365nm</p>	<p>Suitable for general search of stains, e.g. blood spatter, search and examination of UV fluorescent matter, e.g. various textile fibers, banknotes, passports and other documents.</p>		<p>Safety Goggles PWM-FUV</p> <p>recommended for user safety</p> 
	<p>LIGHTcube RBM447 royal blue medium beam angle</p> <p>&</p> <p>LIGHTcube RBF447 royal blue narrow beam angle</p>	<p>Suitable for the excitation of fluorescence in various evidence types, e.g. fluorescent finger-print powders, various dyes like Basic Yellow (BY40), fibers, tooth and bone fragments as well as body fluids as semen, urea etc..</p>		<p>Safety Goggles PWM-FRB & Camera Filter GCM-FRB</p> 



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LIGHTcube	Type	Application	Sample Images	Viewing Glasses & Camera Filter
	<p>LIGHTcube BGM470 blue green medium beam angle</p> <p>&</p> <p>LIGHTcube BGF470 blue green narrow beam angle</p>	<p>Suitable for evidence which emits fluorescence when excited with blue-green light, e.g. Rhodamin or Lumicyano™. Also for background reduction if background fluoresces strongly with blue light.</p>		<p>Safety Goggles PWM-FBG & Camera Filter GCM-FBG</p> 
	<p>LIGHTcube CYM505 cyan medium beam angle</p> <p>&</p> <p>LIGHTcube CYF505 cyan narrow beam angle</p>	<p>Special wavelength version, particularly trimmed to visualize fingerprints developed with Lumicyano™ in high contrast. Could also serve as an alternative to blue-green.</p>		<p>Safety Goggles PWM-FCY & Camera Filter GCM-FCY</p> 
	<p>LIGHTcube PGM530 pure green medium beam angle</p> <p>&</p> <p>LIGHTcube PGF530 pure green narrow beam angle</p>	<p>Suitable for evidence which emits fluorescence when excited with blue-green light, e.g. DFO or Indandione-Zinc but also for contrast enhancement for e.g. Ninhydrin with black & white photography.</p>		<p>Safety Goggles PWM-FPG & Camera Filter GCM-FPG</p> 
	<p>LIGHTcube IR850 infrared wide beam angle</p>	<p>High quality illumination for IR visualization of blood stains, GSR or IR fingerprint powders. Note: IR-sensitive camera and a fitting filter is required. Images right recorded with SCENEview BV800.</p>		<p>Safety Goggles PWM-FIR</p> <p>recommended for user safety</p> 