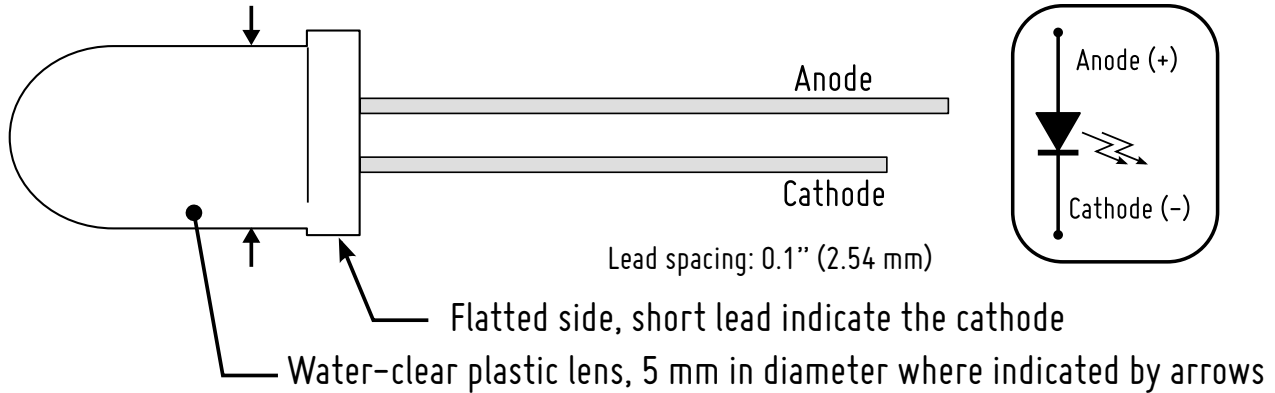


5 mm Ultrabright LEDs with Clear Lenses



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Type	Wavelength (Peak, nm)	Viewing angle	Forward Current (mA)		Forward Voltage (V _F)		Reverse Voltage (V _R)	Luminous Intensity (mCd)**		Manufacturer, & Manf. P/N
			Cont.	Peak*	Typical	Max		Min	Typical	
Red †	660	40°	30	150	2.1	2.5	5	4,000	6,000	Betlux BL-L513UEC-A20TU
Yellow	590	20°	30	150	2.1	2.5	5	1000	2200	Betlux BL-L513UYC
Green	525	20°	30	150	3.8	4.5	5	2,000	5,000	Betlux BL-L513PGC
Blue	470	20°	30	100	2.7	4.2	5	2,000	5,000	Betlux BL-L513UBC
White	N/A	20°	30	100	2.7	4.2	5	3,000	10,000	Betlux BL-L513UWC
IR ††	940	30°	50	250	1.4	1.6	5	It's invisible.		Betlux BL-L513IRAB
UV	405	20°	30	100	3.8	4.5	5	80	150	Betlux BL-L513UVC

* Peak current is with limited duty cycle: 100 μs @ 1 kHz, for all except for IR. IR: 10 μs pulse @ 300 Hz

** Note that luminous intensity accounts for both human eye response and viewing angle

† 5 mm clear-lens red LEDs are special grade, high-intensity, wide angle devices

†† Infrared LEDs have a slight blue tint to their otherwise clear plastic lenses