



The DNA of tech.®

High Brightness LEDs in SMD MiniLED Package LEDs Provide High Luminous Intensity to 2300 mcd, Offer 525 nm and 465 nm Wavelengths at 20 mA



ADVANTAGE

Ideal solutions for heart rate monitoring applications using true green light and short wavelengths for smoke detection using blue light

KEY PRODUCT FEATURES

- ✓ Ultra compact MiniLED package (2.2 mm x 1.3 mm x 1.4 mm)
- ✓ Utilize the latest ultrabright InGaN chip technology
- ✓ $\pm 60^\circ$ angle of half-intensity
- ✓ Forward voltage of 2.9 V typical
- ✓ Wide viewing angle of 120° provides homogenous illumination and backlighting
- ✓ Offered in blue and true green



RESOURCES



MARKETS AND APPLICATIONS



CONNECTIVITY

- Telecom mobile and fixed infrastructure
- Telecom mobile devices



CONSUMER

- Entertainment
- Appliances
- Health and care



INDUSTRIAL

- Automation and infrastructure
- Drives and tools
- Home and building controls



COMPUTER

- Computer
- Peripherals



MEDICAL

- Medical instrumentation, monitoring, therapeutics



The DNA of tech.

High Brightness LEDs in SMD MiniLED Package

ADDITIONAL BENEFITS

- The LEDs with high brightness and small size are the perfect choice for small scale, high power products that are expected to work reliably in arduous environments
- Typical wavelength of 525 nm is ideal for heart rate monitoring applications in fitness trackers and devices that rely on variations in green light absorption, and typical wavelength of 465 nm is optimized for smoke detectors that utilize short wavelength blue light for the detection of small particles
- MiniLED package features a lead frame embedded in a white thermoplast

KEY SPECIFICATIONS

Part number		VLMB2332T1U2-08	VLMTG2332ABCA-08
Color		Blue	True green
Luminous intensity (mcd) at 20 mA	Min.	280	1400
	Typ.	440	2300
	Max.	710	3550
Wavelength (nm) at 20 mA	Min.	458	515
	Typ.	465	525
	Max.	472	541
Forward voltage (V) at 20 mA	Min.	2.6	
	Typ.	2.9	
	Max.	3.4	
Technology		InGaN / sapphire	