

Universal LightProbes™ - Which Is Best For Your Test?

These charts outline which sensor and fiber-optic probes are best used for different LED tests.

Universal LightProbe Sensors	Test 5 Main LED Colors + White (color binning)	Test Any Color in Visual Spectrum (400 - 700nm) + White	Single Color Test	Intensity Test	ON/OFF Test (insensitive to color)	Test Infrared 700nm to 1,000nm	Test UV 365nm to 400nm	Test Very Bright LEDs	Test Very Dim LEDs	Analog Output	Digital Output	Serial Digital Output/USB Interface
Penta	X			X						X		
Penta High Sensitivity	X			X					X	X		
Spectra		X		X						X		
Spectra USB		X		X								X
Unicolor			X	X		X	X			X		
Unicolor Digital			X								X	
Blinx Digital					X						X	
Blinx Digital High Sensitivity					X				X		X	
Ultra High Sensitivity					X				X		X	
Low Sensitivity - available for most sensor types								X				
Very Low Sensitivity - available for most sensor types								X				

Universal LightProbe Fiber-Optic Probe Type	Test closely spaced LEDs - 0.050 inch on center	Test Two or Three LEDs with a Single Sensor (requires ability to turn LEDs on one-at-a-time)	Compensate for Mis-alignment of Probe Tip to LED	Test Dim LEDs	Requiring Refined Intensity Test	Difficult to Access LEDs	Test Side-Facing LEDs	Install Sensor without Clamps
0.050in/1.2mm Diameter Small Aperture Probes Non-contacting tips	X							
0.050in/1.2mm Diameter Duplex and Trident Small Aperture Probes Non-contacting Tips	X	X						
0.109 in/2.7mm Diameter Wide-Aperture Probes Non-contacting tips			X	X				
0.134 in/3.4mm Diameter Wide-Aperture Probes Contacting tips				X	X			
0.145 in/3.7mm Diameter Very Wide Aperture Non-contacting tips				X		X		
Super-flexible Wide Aperture Probes						X		
"Periscope" Wide-Aperture Probe							X	
Stainless Steel Encased Fiber-optic Probes								X

The information in this data sheet is intended to be a general product description. Optomistic Products reserves the right to make changes in specifications and characteristics at any time without notice. Unless specified otherwise, all dimensional values are nominal. ©2013 Optomistic Products. All rights reserved.