

UNIVERSAL LIGHTPROBE™ FIBER-OPTIC PROBES

WIDE-APERTURE (WA) FIBER-OPTIC PROBES : for Dim or Misaligned LEDs

The wide-aperture probes allow four times the amount of light input as small-aperture probes, compensating for dim LEDs and potential misalignment errors in ATE test fixtures. The best choice for finished-product displays such as illuminated switch alpha-numeric icons. Wide-Aperture probes come in a variety of models, the flexible **250-27's**, which come with a choice of cable housing, the rigid stainless-steel encased **XXX-27's**.

FLEXIBLE (250-27): For testing of single LEDs.



Characteristics:

- Flexible cable: 9.84 in. / 250mm long
- Probe tip diameter: 0.109 in./2.77mm stainless-steel tip
- Probe tip type: non-contacting stainless steel
- LED spacing: not less than 0.109 in./2.77mm
- Air-gap: 1mm recommended- up to 3mm to increase field of view when testing misaligned LEDs

FIBER-OPTIC CABLE TYPES:

Universal LightProbe™ Wide-aperture Fiber-Optic Probes come in two cable types (“Regular” and “Superflex”). This allows for specific requirements for LED access, spacing and working conditions.

Regular (250) - 2 in./50.8 mm minimum bend radius

Superflex (250SF) - 1/4 in. /6.35mm minimum bend radius. Increased flexibility allows for easier access to difficult to reach LEDs.

PART NUMBERS:

There are 5 tip styles of the **Wide-Aperture Single** model available to account for variations in working distance, LED orientation and accessibility, **Short (SL)**, **Long (LL)**, and **Extra-Long (XLL)**, as well as two **Right-Angle** options for testing side-emitting LEDs, **27P**, and the **250SF-27-RSLL** (available only with the “Superflex” cable type. For further explanation of part numbers, please see page 20.

250-27-SL-WA
250SF-27-SL-WA
0.325 in./
8.25mm tip



250-27-LL-WA
250SF-27-LL-WA
1.375 in./
34.92mm tip



250-27P-LL-WA
1.375 in. /34.92mm tip



250SF-27-RSLL-WA
Available in the “Superflex” model only
0.220 in./5.59mm right angle length

250-27-XLL-WA
250SF-27-XLL-WA
2.25 in./
57.15mm tip



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