

LED Backlight, A25000

Mechanical Specifications

Mounting:	Mounting Holes for M3 or Stud option Four 0.14" (3.5 mm) diameter holes on 3.31 x 1.57" (84 x 40 mm) pattern
Connector Type:	8 Pin DIN Connector
Cable Length:	78 ³ / ₄ " (2 M)
Housing Type:	Black Anodized Aluminum
Temperature Range:	Operating – 20 °C to + 40 °C
Temperature Range:	Storage – 40 °C to + 80 °C
Illuminated area:	1.97" x 1.97" (50 x 50 mm)
Active area:	1.70" x 1.70" (43 x 43 mm)
Overall size:	3.62" x 2.44" (92 x 62 mm)
Thickness:	0.48" (12 mm)
Weight of head:	0.22 lb. (100 gm), with cable: 0.40 lb. (180 gm)

LED Backlight

Uniform, diffuse illumination for transmitted light inspection applications or for use as a diffuse area front light.

Patented Features

- Matrix circuit design that maximizes reliability by isolating failures to individual LEDs.
- Intelligent design facilitates monitoring of lighthead temperature and intensity through continuous feedback via the built-in thermistor and photo-diode (contact SCHOTT for details).
- Backplate is made of a thermally conductive material that when mounted to a metal surface will improve output and stability.

Standard Features

- Standard LED: SMT
- Uniformity within active area: ± 25 grayscales (mean of 200 grayscales).
- Use in a steady state-mode as a general purpose area light, or in strobe mode to freeze motion, reduce exposure times and increase processing speed.
- One year warranty.
- Manufactured in the USA.

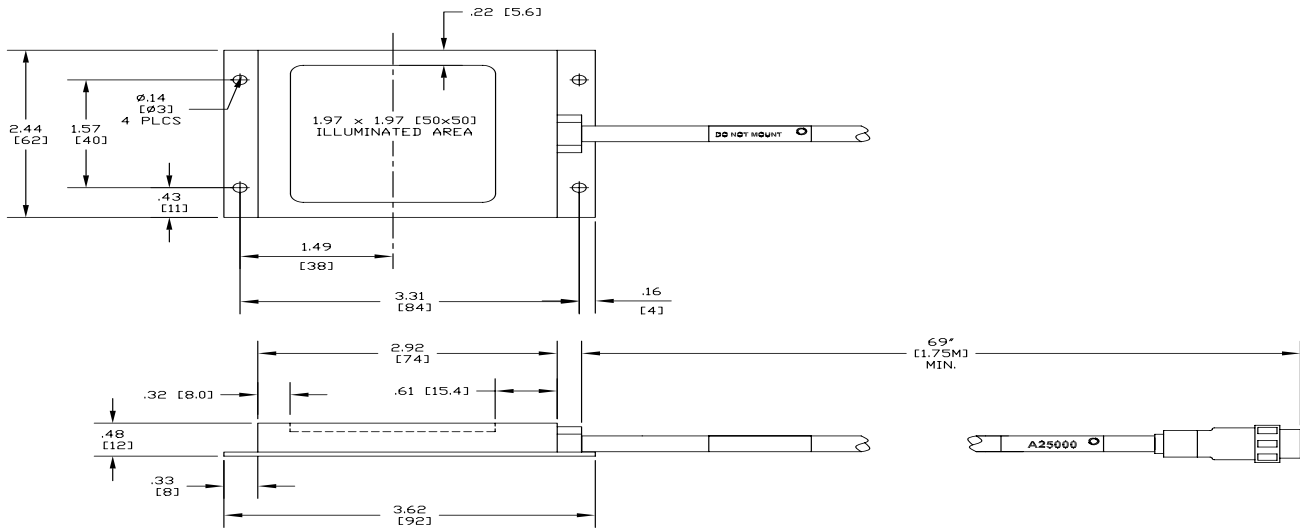
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Part No.	Color	No. of LEDs	Peak-Wavelength	Voltage	Current**	Size [mm]
A25000	Red	225	630 nm	12 volt	580 mA	50*50
A25000.1*	White	145	–	24 volt	580 mA	50*50
A25000.6*	IR	Unknown Qty.	875 nm	12 volt	580 mA	50*50

* Lead-time required

** Nominal forward current for continuous use

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