



MODEL LB-100F

Hand Held
Inspection
Black Light

LED Black Light for Magnetic Particle Inspection

The Scientific Instruments' LED Black Light model LB-100F is a fan cooled hand lighting system designed to endure the toughest environments. This unit incorporates a replaceable 21 LED bulb for smooth wide dispersion angle and constant intensity throughout the 35,000 hour typical lamp life. The LB-100F is ready for use the instant it is powered on requiring no warm up time.

An innovative LED heat sink arrangement coupled with a quiet-operating fan located at the rear of the lamp housing keeps this unit cool even during extended periods of use.



LED Black Light Model LB-100F

Features & Advantages

- Reliable LED construction allows 35,000 hour operating life
- 21 LED's give smooth wide dispersion angle
- Intensity is 4000uW/cm² at 15 inches(38cm)
- Constant intensity throughout lamp life; No warm up time
- 36 watts of led output power- the highest power led unit in the market
- Rugged rubber easy to grip handle & aluminum housing
- Recessed lens protects lens and LED's from damage
- NIST traceable certification and 1 Year warranty included
- Meets or exceeds ASTM 3022 and RRES90061

Specifications

Power Supply: 90 to 260 VAC, 50-60hz
Current Draw: 5amps (@ 120 Volt Input)
Bulb power: 36 Watts
Intensity: 4000uW/cm² at 15 inches (38cm)
Wavelength: 365 nm +/- 5 nm
Operating Temperature: 0-40°C
Lamp to inline junction box: 10ft. (3.1 m)
Cable Unit Main Call! Jle Supply: 12ft. (3.7 m)
with Ground Weight - Hand Lamp: 3 lbs. (1.4 kg)
Compliance: Meets ASTM 3022 / RRES90061

