

TRI-450B Series

TRITAN™ 450 Multi-LED, Broad-Beam Blue Light Lamp

(U.S. patent no. 5,905,268; foreign patents pending)

Feature three cool-running, ultra-high flux 450 nm blue light LEDs with a broad-beam configuration. This powerful lamp provides a wider coverage area than conventional inspection lamps, while its compact head design allows access into areas inaccessible to larger inspection lamps. Ideal for most non-destructive testing applications.



- Nominal steady-state blue light intensity of $9,500 \mu\text{W}/\text{cm}^2$ at 15 inches (38 cm)
- Large 5 inch (13 cm) diameter coverage area at 15 inches (38 cm) with a minimum intensity of $2,000 \mu\text{W}/\text{cm}^2$
- Rubber bumper with patented thin-film dichroic lens filters out long-wave visible light
- Electronic Intensity Stabilizer ensures consistent LED performance
- Built-in fans keep LEDs cool to maintain optimum light output during extended use
- Instant-on operation. Lamp reaches full intensity immediately!
- Rugged, ergonomic, angled lamp body provides safe, fatigue-free handling
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot. Also available: Optional in-line power supply or industrial power supply with cord sets (sold separately).
- Includes fluorescent-enhancing, yellow spectacles and soft carrying case





Also Available:

TRITAN™ 450MB portable, battery-operated AC/DC lamp kit. Includes TRITAN 450 blue light LED lamp, rechargeable NiMH battery pack, power supply adapter with AC and DC cord sets, smart AC charger, fluorescent-enhancing, yellow spectacles and soft, lightweight carrying case.

LAMP SPECIFICATIONS

| | |
|----------------------------|---------------------------|
| Style | Pistol grip |
| Light Source | 3 blue light LEDs |
| Lamp Head Diameter | 5 in (13 cm) |
| Length | 8.0 in (20.3 cm) |
| Weight | 1 lb (454 g) |
| Power Requirements: | |
| AC lamp | (TRI-450B) 120VAC* |
| AC/DC lamp | (TRI-450MB) 120VAC*/12VDC |
| Battery Pack: | |
| Type | 12V, NiMH (rechargeable) |
| Run Time | 3.5 hours (continuous) |
| Charge Time | 2 hours |

*Also available in 230V, 240V and 100V versions.



Replacement Parts & Accessories

| | |
|-----------------|---|
| 129141 | Standard, 8 foot (2.4 m) AC power cord |
| 129145 | Extra-long, 20 foot (6.1 m) AC power cord |
| 129162 | 3.5 foot (1.1 m) DC power cord for "M" series lamps |
| 127933 | Particulate filter assembly |
| BP-30 | Battery pack with 12V rechargeable NiMH battery |
| BR-150A | Smart AC charger |
| CC-370A | Soft carrying case |
| FP-450 | Rubber bumper with dichroic lens |
| PSA-250A | AC/DC power supply adapter for "M" series lamps |
| PS-200A | Industrial power supply. Primary cord: 8 feet (2.4 m); secondary cord: 20 feet (6.1 m). |
| PS-300A | In-line power supply. Primary cord: 8 feet (2.4 m); secondary cord: 8 feet (2.4 m). |
| UVS-40 | Fluorescent-enhancing spectacles, yellow |

BLUE LIGHT BEAM PROFILE

