

MEETS SPECIFICATIONS FOR

 **CEN/TR  
16638**

 **SPECTROLINE®**

# TRITAN™ 450 SERIES



Also Available

**TRI-450B + TRI-450MB**

## LED Blue Light Handheld Inspection Lamps

- ▶ Nominal steady-state blue light (450 nm) intensity of **9,500  $\mu\text{W}/\text{cm}^2$**  at 15 in (38 cm)
- ▶ 5 in (13 cm) diameter coverage area at 15 in (38 cm), with a minimum blue light intensity of 2,000  $\mu\text{W}/\text{cm}^2$
- ▶ Ideal for most non-destructive testing applications, including use in some ambient light conditions.



**Very Broad Coverage Area**



**Cool Running**



**Instant-On Operation**



**Customizable**



**BLUE LIGHT** does not require a completely dark environment making it extremely versatile, even for some applications in daylight.

**3 BLUE LIGHT LEDs**  
For wide area of coverage

**PATENTED, THIN-FILM DICHROIC LENS**

Rubber bumper protects LEDs from damage and improves contrast and fluorescent response

**BUILT-IN FANS**  
Maintain optimum light output



# TRITAN™ 450 SERIES TRI-450B

MODEL	NOMINAL STEADY-STATE BLUE LIGHT INTENSITY at 15 in (38 cm) ①	BLUE LIGHT COVERAGE AREA at 15 in (38 cm) at minimum 2,000 μW/cm²
TRI-450B	9,500 μW/cm²	5 in (13 cm) Diameter
TRI-450MB	9,500 μW/cm²	5 in (13 cm) Diameter

<b>Light Source:</b>	(3) Blue light LEDs
<b>Lamp Style:</b>	Pistol grip
<b>Lamp Head Diameter:</b>	3.25 in (8.25 cm)
<b>Length:</b>	8 in (20.3 cm)
<b>Weight:</b>	1 lb (454 g) with battery
<b>Power Requirements:</b>	<b>TRI-450B:</b> 100-120VAC <b>TRI-450MB:</b> 100-120VAC/12VDC (Also available in 230V & 240V versions)
<b>Battery Pack:</b>	Type: 12V, NiMH (rechargeable) Run time: 3.5 hours continuous Charge time: 2 hours

① Blue Light intensity reading taken with the Spectroline® AccuMAX™ Series meter, and is factory set to the value shown.

Each lamp is fitted with an 8-foot cord and the appropriate plug for the country of destination. An optional 20-foot cord is available. The "/20" suffix denotes the 20-foot power cord options.



- ▶ Three ultra-high-flux, 450 nm blue light LEDs
- ▶ Rubber bumper with patented thin-film dichroic lens filters out long-wave visible light
- ▶ Electronic Intensity Stabilizer ensures consistent LED performance
- ▶ Built-in fan keeps 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 8 foot (2.4 m) or extra-long 20 foot (6.1 m) power cord with AC plug. Available in 100V-120V, 230V, or 240V models.
- ▶ Comes complete with UVS-40 fluorescence-enhancing spectacles



**Also available:**

**TRI-450MB**

**TRITAN™ 450MB Kit**

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



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