

MEETS SPECIFICATIONS FOR

 **CEN/TR
16638**

SPECTROLINE®
NDT

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 $\mu\text{W}/\text{cm}^2$
TRI-450B	9,500 $\mu\text{W}/\text{cm}^2$	5 in (13 cm) Diameter
TRI-450MB	9,500 $\mu\text{W}/\text{cm}^2$	5 in (13 cm) Diameter

Light Source:	(3) Blue light LEDs
Lamp Style:	Pistol grip
Lamp Head Diameter:	3.25 in (8.25 cm)
Length:	8 in (20.3 cm)
Weight:	1 lb (454 g) with battery
Power Requirements:	TRI-450B: 100-120VAC TRI-450MB: 100-120VAC/12VDC (Also available in 230V & 240V versions)
Battery Pack:	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.

SPECTRONICS
CORPORATION

www.spectroline.com

956 Brush Hollow Rd, Westbury, NY 11590 USA
800-274-8888 • 516-333-4840

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