

MEETS SPECIFICATIONS FOR

 **CEN/TR  
16638**

 **SPECTROLINE®**

# OPTIMAX™ 450

Rechargeable LED Blue Light Flashlight

OPX-450

  
**PERFECT**  
for small space  
inspections while  
out in the field

▶ Nominal steady-state blue light (450 nm) intensity of **7,000  $\mu\text{W}/\text{cm}^2$**  at 15 in (38 cm)

▶ Low visible light emission—less than 0.5 foot-candle (5 lux)



**Rechargeable  
NiMH Battery**



**Bright &  
Uniform Beam**



**Instant-On  
Operation**



**90 Minutes  
Run Time**



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

**ANODIZED ALUMINUM  
LAMP BODY**

Minimizes corrosion and stands up to years of heavy use

**CONVENIENT  
ON/OFF SWITCH**

For easy one-handed operation

**PATENTED,  
THIN-FILM  
DICHROIC LENS**

Improve contrast and fluorescent response

**CHARGE STATUS  
INDICATOR LIGHT**

**ELECTRONIC INTENSITY  
STABILIZER**

Assures consistent performance



# OPTIMAX™ 450 OPX-450

- Patented, thin-film dichroic lens improves contrast
- Electronic Intensity Stabilizer ensures consistent performance. Beam strength will not weaken between charges!
- Instant-on operation; lamp reaches full power immediately
- Portable and rugged. Anodized aluminum lamp body minimizes corrosion and stands up to years of heavy use.
- Powered by a rechargeable NiMH battery. Provides 90 minutes of continuous inspection between charges.

| MODEL   | NOMINAL STEADY-STATE BLUE LIGHT INTENSITY<br>at 15 in (38 cm) ① | VISIBLE LIGHT MEASUREMENT     |
|---------|---|-------------------------------|
| OPX-450 | 7,000 $\mu\text{W}/\text{cm}^2$                                 | < 0.5 foot-candles<br>(5 lux) |

|                     |   |
|---------------------|---|
| Light Source:       | Blue light (450 nm) LED                                 |
| Lamp Style:         | Cordless flashlight                                     |
| Lamp Head Diameter: | 2.0 in (5.1 cm)   |
| Length:             | 8 in (20.3 cm)  |
| Weight:             | 11.8 oz (335 g) (with Battery)                          |
| Power Requirements: | 3.6V, 2.0 Ah NiMH internal battery stick (rechargeable) |
| Charge Time:        | 4 hours   |

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



**OPX-450  
OPTIMAX™ 450 Kit**  
Comes complete with OPTIMAX™ 450 blue light LED lamp, smart AC and DC chargers, fluorescent-enhancing yellow spectacles, belt holder and hard carrying case.



## Blue Light Beam Profiles

