

## What other lightmeters do we manufacture?

### The cal-LIGHT 400 Features

- calibration certificate traceable to NIST and NRC National Standards
- Silicon photodiode sensor with human eye response correction
- Autorange
- Auto power off
- User selectable units
- User-friendly operation
- Cosine correction
- Photopic correction



### Ordering Information

**cal-LIGHT 400**, Calibrated Precision Lightmeter complete with instructions, battery, carrying case, integral stand and calibration certificate,

FOB Romulus, MI  
NSN#6220-01-466-7567

**\$395**

**cal-LIGHT 400L**, Calibrated Precision Lightmeter with illuminated LCD display for measurements under 3 lux. Complete with instructions, battery, carrying case, integral stand and calibration certificate.

FOB Romulus, MI

**\$435**

### The cal-SPOT 400 Calibrated Precision Spot Photometer Features

- calibration certificate traceable to NIST and NRC National Standards
- No magnification, use with both eyes open
- Single button operation
- Autorange, 0.1 to 400,000 cd/m<sup>2</sup>
- Auto power off
- User-friendly operation
- High stability silicon photodiode sensor with human eye response correction
- In metric units



### Ordering Information

**cal-SPOT 400**, Calibrated Precision Spot Photometer complete with instructions, battery, carrying case and calibration certificate. Measures from 8" to infinity. Suitable for close-up measurements.

FOB Romulus, MI  
NSN#6220-01-466-7601

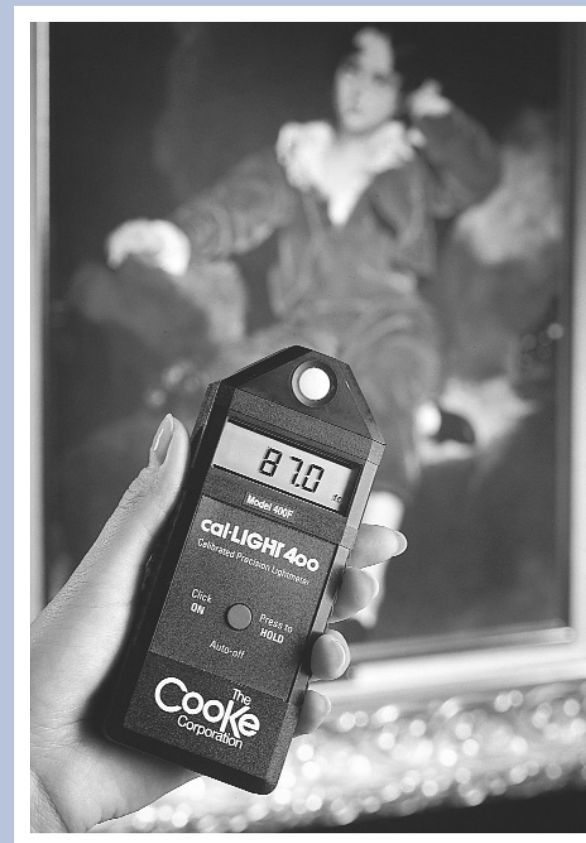
**\$2250**

The  
**Cooke**  
Corporation

"Light Measurement Specialists"

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Specially designed  
for museums  
and art galleries...



The  
**cal-LIGHT 400F**  
A Calibrated Precision Lightmeter

## What is the cal-LIGHT 400F?

The cal-LIGHT 400F is a user-friendly, precision lightmeter, with a calibration certificate at an affordable price.

Designed to accurately measure ambient illumination, the cal-LIGHT 400F features the unique combination of user-friendly design and accuracy.

The cal-LIGHT 400F is equipped with a silicon photodiode sensor which takes the measurement. A single button controls the instrument: To use the "ON" and "HOLD" button, click to display reading, hold to "freeze" display, and the lightmeter shuts off automatically in about a minute.

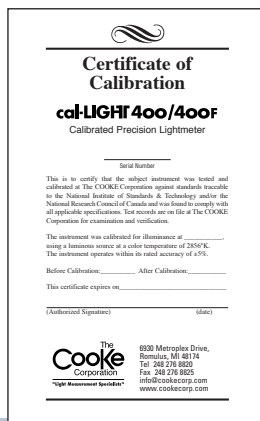
## Why is the cal-LIGHT 400F calibrated?

Every cal-LIGHT 400F has been individually calibrated, and is accompanied by a certificate guaranteeing that its measurements conform exactly to NIST and NRC National Standards.

## Who uses the cal-LIGHT 400F?

- Art Gallery & Museum Curators
- Architects
- Engineers
- Interior Designers
- Lighting Designers
- Facility Managers
- Landscape Architects
- Developers
- Contractors
- All Lighting Specifiers

**The cal-LIGHT 400F** supplied with a calibration certificate guarantees accurate measurements.



## Specifications

### Measuring Range

Autoranges 0.1 fc or lux to 40,000 fc or lux

### Units

Choose fc or lux with user selectable switch located in battery compartment

### Accuracy

- Intensity linearity: 2%
- Photopic: Better than 1.0% of CIE curve
- Cosine error: Less than  $\pm 1.0\%$  up to an incident angle of  $\pm 85^\circ$
- Overall accuracy:  $\pm 5\%$  of displayed value

### Calibration

Calibrations and recalibrations are performed by COOKE and are traceable to NIST and NRC Standards. The photopic response of the calibrated sensor matches the CIE standard observer curve response to within 1% of the reading when using a standard tungsten source at 2856K.

### Light Sensor

Silicon photodiode with photopic filter and cosine corrector  
Diameter 10mm

### Temperature Ranges

Operation: 32° to 130°F (0° to 55°C)  
Storage: -4° to 160°F (-20° to 70°C)

## Ordering Information

**cal-LIGHT 400F**, Calibrated Precision Lightmeter complete with instructions, battery, carrying case, and calibration certificate,  
FOB Romulus, MI **\$485**  
**NSN#6220-01-466-7572**

Price and specifications are subject to change without notice. Limited warranty applies.

## Users List

*Art Institute of Chicago*

*Hubbell*

*Denver Museum of National History*

*General Electric*

*The Smithsonian Institute*

*Sylvania Lighting*

*Gaston County Museum*

*Glendale Police Department*

*National Museum of American History*

*The Octagon Museum*

*Bombardier Aerospace*

*Art Gallery of Ontario*

*Accidental Reconstruction Consultant*

*Canadian Conservation Institute*

*Musee des Beau Arts*

*Museum of Civilization*

*Hockey Hall of Fame*