

Checking Light Levels Improves Safety and Saves Energy...

When you use the cal-LIGHT 400 Calibrated Precision Lightmeter. Too much light can waste energy and too little can cause eyestrain in classrooms, libraries, offices, and conference rooms, or mishaps in stairways and parking lots. Keep your facility safe, and save energy at the same time!

Use the cal-LIGHT lightmeter to measure how much light is falling down onto a surface. It's easy to use, just

Point... Click... Done!

And remember, our cal-LIGHT uses a silicon photodiode sensor corrected to measure exactly like the human eye sees. Every cal-LIGHT is certifiably calibrated and recognized by the American National Institute of Standards and Technology.

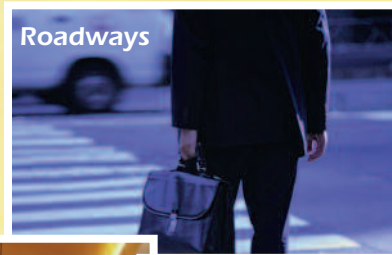
\$ 395.00 gets you the cal-LIGHT lightmeter, calibration certificate, instructions, integral stand, protective carrying case and battery.

WHO?

- Maintenance Personnel
- Health/Safety Professionals
- Facility Managers
- Contractors
- Developers
- Engineers
- Lighting Specifiers
- Lighting Designers
- Landscape Architects
- Law Enforcement Agencies
- Architects
- Interior Designers

WHERE?

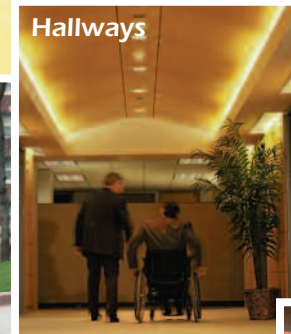
- Schools
- Offices
- Parking Lots
- Stairways
- Libraries
- Warehouses
- Museums/Art Galleries
- Stadiums
- Arenas
- Highways



Roadways



Parking Lots



Hallways



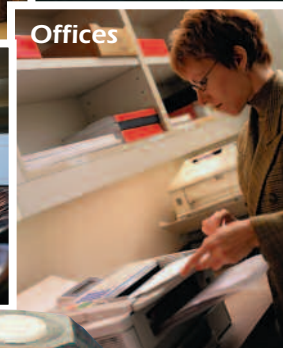
Classrooms



Stairways



Conference Rooms



Offices



The
Cooke
Corporation

\$395⁰⁰

Point... Click... Done!

The cal-LIGHT 400 Calibrated Precision Lightmeter



Display
Large, 10 mm LCD with units of measurement and low battery indicator offers comfortable reading during measurement

"ON" and "Hold" Button
Click to display reading
Hold to "freeze" display
Auto power off

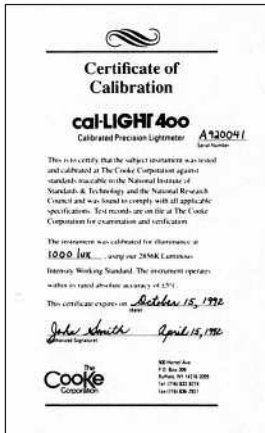
Every cal-LIGHT is individually calibrated and labeled with all the pertinent information.

Sliding Coverplate
Provides access to battery and to the switch for selecting the measuring units (fc or lux)

Light Sensor
Ergonomically designed angled sensor allows simultaneous measurement and readout without interference from the operator. The silicon photodiode with photopic and cosine correction assures precise measurements.

A calibration seal is affixed to every cal-LIGHT after calibration to assure authenticity and prevent unauthorized alterations.

This individual calibration certificate is supplied with each cal-LIGHT guaranteeing traceability to American NIST or NRC National Standards.



Specifications

Measuring Range

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

Units

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

Auto-power off

After approximately 1 minute

Accuracy

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

Calibration

Calibrations and recalibrations are performed by COOKE and are traceable to NIST and NRC National 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 2856°K

Light Sensor

Silicon photodiode with photopic and cosine correction. Diameter 10 mm, angled 70° from display face

Display

10 mm high, easily-read LCD of 3 1/2 digits plus measuring units and battery diagnostics

Option: Illuminated LCD display also available

Battery (included)

9V alkaline
300 hours life in ON position
4 years life in OFF position

Temperature Range

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

Carrying Case

Soft protective cover for safe storage and transport

Dimensions

5.5 x 2.3 x 1.0" (141 x 59 x 25 mm)

Weight

5.3 oz (150 g)

Ordering Information

cal-LIGHT 400, Calibrated Precision Lightmeter complete with instructions, battery (included), carrying case, integral stand and calibration certificate, CE certified, FOB Romulus, MI, USA. **\$395**

Limited Warranty

All Models described in this brochure are warranted for twelve (12) months from date of purchase against electrical and mechanical defects in material and workmanship. Compliance with calibration is warranted for a minimum of six (6) months. This warranty does not apply to damage resulting from transportation, accidents, alteration, misuse, negligent handling, or operation with incorrect power supply. Any unit found to be defective within the warranty period will be repaired or replaced free of charge. Batteries are not covered by any part of this warranty. Liability is limited to repair or replacement of any unit found to be defective and there shall be no liability for any loss or damage (direct, indirect or consequential) arising from the use or loss of this unit.

This warranty set forth herein is exclusive and is in lieu of any and all other warranties expressed or implied including the warranties of merchantability and fitness.

Price and specifications subject to change without notice.



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