

TECHNICAL DATA



Features

- Measures ambient light levels of white, red, yellow, green and blue LED light and visible light in Foot-candles or Lux
- Large, backlit LCD display
- Detachable and rotatable light sensor
- Min/Max and data hold functions
- Cosine and color corrected measurements
- User adjustable parameter for specialized light sources
- Low battery indicator and auto shut off
- Includes detachable sensor, sensor cover, hard carrying case and batteries

| Model | Description |
|-------|-----------------|
| R8140 | LED Light Meter |

Specifications

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| Measuring Ranges: | Lux: 0 to 199,900 Fc: 0 to 19,990 |
| Accuracy: | Incandescent Light Source: ±(3% rdg.+ 5 dgt) Other Visible Light Source: ±8% rdg. |
| Resolution: | Lux: 0.1 Fc: 0.01 |
| Response Time: | 500mS |
| Sensor Type: | Silicon photodiode with color correction filter and cosine correction |
| Light Types: | White LED, Yellow LED, Green LED, Red LED, Blue LED, Warm White Fluorescent, Cold White Fluorescent Lamp, Incandescent |
| Angle deviation from cosine characteristics: | 10° ±1% 30° ±2% 60° ±5% 80° ±20% |
| Autoranging: | Yes (Auto and Manual) |
| Display: | 6-Digit LCD |
| Backlit Display: | Yes |
| Data Hold: | Yes |
| Min: | Yes |
| Max: | Yes |
| Overrange Indicator: | Yes |
| Auto Shut-off: | Yes (after 30 mins) |
| Low Battery Indicator: | Yes |
| Power Supply: | 2 x AA Batteries |
| Battery Life: | Approx. 80 hours |
| Product Certifications: | CE, RoHS |
| Operating Temperature: | 32 to 104°F (0 to 40°C) |
| Storage Temperature: | 14 to 122°F (-10 to 50°C) |
| Operating Humidity Range: | 0 to 80% |
| Dimensions: | 6.7 x 2.5 x 1.5" (169 x 63 x 37mm) |
| Weight: | 7.4 oz (210g) |