

### 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

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)