

MARTINDALE
ELECTRIC

Specification

LM195

LED Light Meter



All specified accuracies are at 25°C ±1°C, <80% R.H. for 1 year
Temperature coefficient: 0.1 x (specified accuracy) per °C
(0-24°C, 26-40°C)

Accuracy: ±3% rdg ±5 dgts (Standard A light source) ^{Note 1}
±8% (other visible light sources)

Spectral response: CIE photopic ^{Note 2}

Range: 0.0 to 199.9/1999/19990/199900 lx
0.00 to 19.99/199.9/1999/19990 fc

Resolution: 0.1lx, 0.01fc

Angle deviation from cosine characteristics error:

10° ± 1%	30° ± 2%
60° ± 5%	80° ± 20%

Light detector: Si photodiode

Note 1: The CIE standard illuminant A can be realized by means of CIE standard source A, which is defined as: A gas-filled tungsten-filament lamp operating at a correlated colour temperature of 2856K.

Note 2: The CIE photopic curve is an international standard for the colour response of the average human eye.



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PRESET LIGHT SOURCE WEIGHTING

Preset Light Source Weighting:

L0 – Standard incandescent light source and white only LED

L1 – Not applicable

L2 – LED AMBER (yellow) light (3000K)

L3 – LED GREEN light

L4 – LED RED light

L5 – LED BLUE light

L6 – Not applicable

L7 – Not applicable

L8 – User adjustable mode

GENERAL

Display: liquid crystal display

Sampling rate: twice per second

Over range: OL is displayed

Power: 2 x 1.5V AA alkaline batteries (IEC LR6, NEDA 15A)

Continuous operating time: approximately 80 hours

Auto power off: after 30 minutes (can be disabled)

Dimensions: 169 (L) x 63 (W) x 37mm (H)

Weight: 185g including batteries

Includes: storage case, 2 x 1.5V AA batteries and instruction manual.

ENVIRONMENTAL

Temperature & Humidity (Operating): 0°C to 40°C ≤ 80% R.H.

(Storage): -10°C to 50°C ≤ 70% R.H. with
batteries removed

Altitude: up to 2000m

Pollution degree: 2

EMC: Conforms to BS EN 61326-1

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