

Ambient Light Source

MA009873

The **MA009873** is a high-quality light source developed for testing devices' ambient light sensors (ALS).

It produces constant, even illumination approximating natural daylight (5600 K correlated colour temperature) and is easy to integrate into all kinds of test applications.

Suitable for high-volume production and R&D test environments alike.



SPECIFICATIONS

LED colour	White
Correlated colour temperature	5600 K
Input voltage range	10–19 VDC
Nominal supply voltage	12 VDC
Power consumption @ 12 VDC	0.15 W
Current consumption @ 12 VDC	11.9 mA
Operating temperature	+20...+40 °C
Storage temperature	–40...+85 °C
Relative humidity	15–60 %, non-condensing

RELATED PRODUCTS

EM052157-3	Light Source, White 15×15
PCB-990	Light Source, IR 15×15
MA005613	Light Source, White + IR 15×15

Contact sales@bluelec.com for calibration options and custom light source solutions.

MECHANICAL

Dimensions (L×W×H)	48.6 × 26.2 × 7.4 mm (1.91 × 1.03 × 0.29 in)
Weight	~20 g
Case material	AlSiMgMn T6
RoHS compliant	Yes
Control	Supply voltage controlled

MOUNTING & INTERFACE

Fastening	2× M3 screw + plastic washer
Power cable	0.3 m, soldered to PWB
Input connector	JST EHR-2, female
Polarity, anode (+)	Brown
Polarity, cathode (–)	White



3D CAD models available on request via sales@bluelec.com