Ambient Light Source

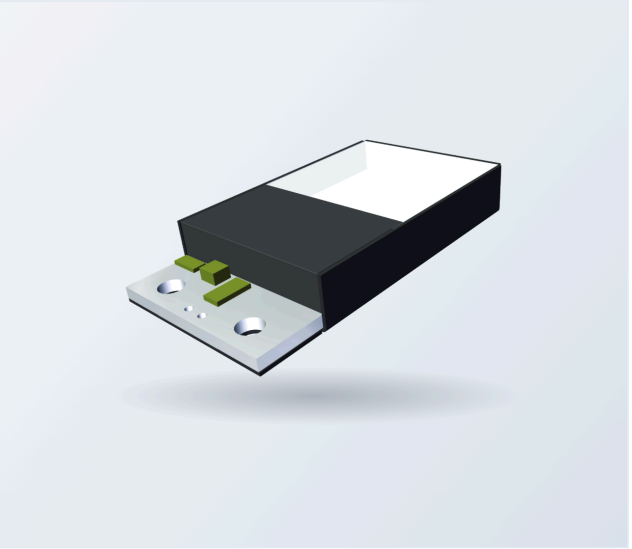
MA009873

BLUELEC
Part of JOT Automation

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**

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**

ENVIRONMENTAL

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.

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**

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Datasheet Rev. A3 · November 2026
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