LIGHT SOURCE · DATASHEET

Light Source, White 15×15

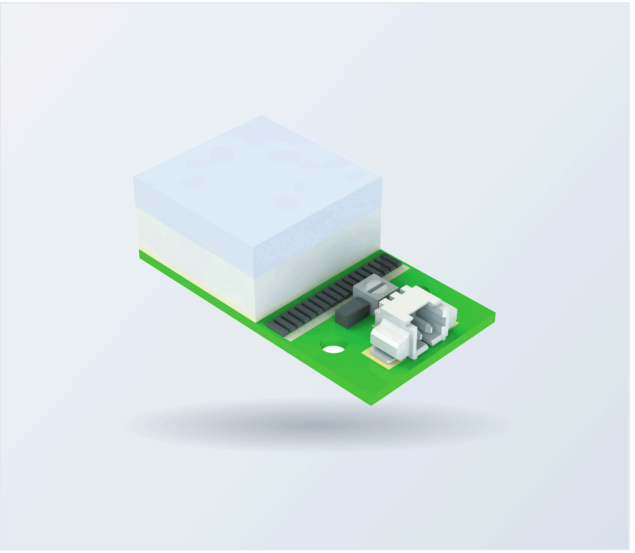
EM052157-3

BLUELEC
Part of JOT Automation

The **EM052157-3** is a factory-calibrated white light source producing constant, even illumination that approximates natural daylight.

It is designed for camera testing of mobile devices — smartphones, tablets, and digital cameras — in high-volume production, R&D laboratories, service centres, and test laboratories.

Integrates readily into standard test platforms and adapters, as well as custom test systems.



SPECIFICATIONS

Supply voltage	**10–24 V, typ. 12 V**
Supply current	**6–12.5 mA, typ. 8.5 mA**
Power consumption	**0.06–0.3 W, typ. 0.1 W**
ESD protection	**2500 V**
Dimensions (L×W×H)	**28 × 15 × 8.5±0.9 mm (1.10 × 0.59 × 0.33 in)**

OPTICAL SPECIFICATION

at typ. 12 V supply

Parameter	Min	Typ	Max	Units
Luminance	1100	1200	1300	cd/m²
Luminance uniformity	−100	0	+100	cd/m²
Colour temperature	5000	5400	5800	K
Luminance settling time	–	–	0.002	s
Life time	30 000	–	–	h
Light-emitting surface		15 × 15		mm

Factory calibrated luminance. CIE (x,y) at typ.: x=0.335, y=0.346.

ENVIRONMENTAL

Operating temperature	**+20…+40 °C**
Relative humidity	**15–95 %, non-condensing**
Compliance	**RoHS**

RELATED PRODUCTS

PCB-990	Light Source, IR 15×15
MA005613	Light Source, White + IR 15×15
MA009873	Ambient Light Source

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

MOUNTING & INTERFACE

Fastening	**2× M2 screw**
Power connector	**Molex 53261-0271**
Pin 1	**Vcc**
Pin 2	**GND**
Control	**Supply voltage controlled**

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

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