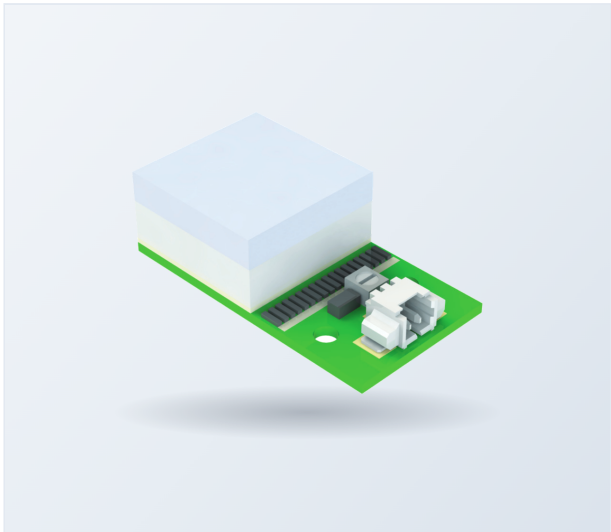


EM052157-3

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
Operating temperature	+20...+40 °C
Relative humidity	15–95 %, non-condensing
Compliance	RoHS
Dimensions (L×W×H)	28 × 15 × 8.5±0.9 mm (1.10 × 0.59 × 0.33 in)

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.

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.

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