

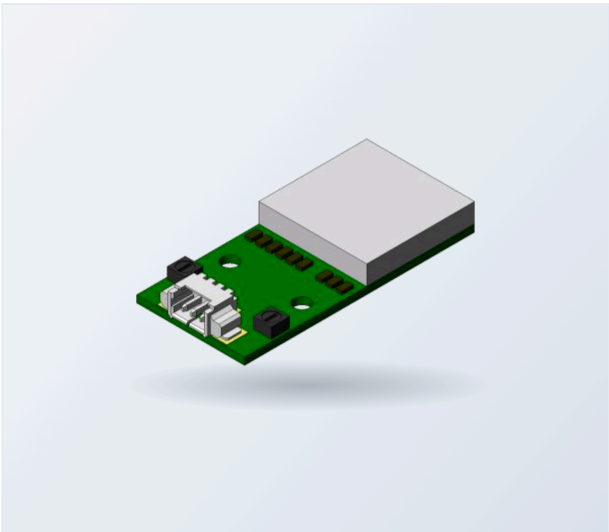
Light Source, White + IR 15×15

MA005613

The **MA005613** is a dual-channel light source combining white and near-infrared emitters behind a single 15×15 mm light-emitting surface.

The white and IR channels are powered independently, allowing visible-light and infrared test cases — camera, ambient light sensor, and IR sensor testing — with one component.

Intended for high-volume production, R&D laboratories, service centres, and test laboratories.



SPECIFICATIONS

Supply voltage	12–24 V, typ. 12 V
Supply current	7–20 mA, typ. 13.5 mA
Power consumption	0.005–0.46 W, typ. 0.16 W
ESD protection	2500 V
Operating temperature	+20...+40 °C
Storage temperature	–20...+85 °C
Relative humidity	15–95 % non-condensing
Compliance	RoHS
Dimensions (L×W×H)	32 × 15 × 4.8 mm (1.26 × 0.59 × 0.19 in)

RELATED PRODUCTS

EM052157-3	Light Source, White 15×15
PCB-990	Light Source, 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

Luminance (white)	Adjustable
Colour temperature (white)	6000 K (typ.)
Light-emitting surface	15 × 15 mm (0.59 × 0.59 in)

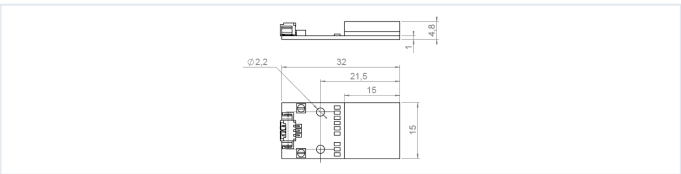
Of the assembled light-emitting diode.

MOUNTING & INTERFACE

Power connector	Molex 53261-0371
Pin 1	Vcc, white channel
Pin 2	Vcc, IR channel
Pin 3	GND

DIMENSIONS

mm



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