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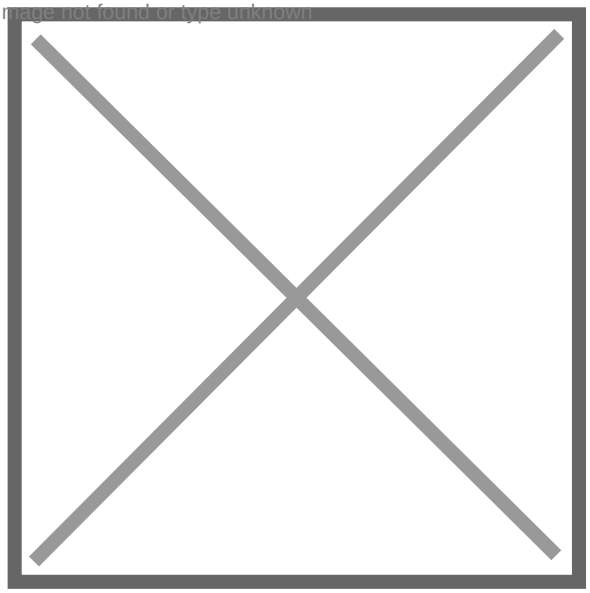
Product Name :

LED

Product Code :

SCL-445/119

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Description :

LED (Product Code: SCL-445/119) is a 5 mm light-emitting diode mounted on a board, used as a low-power indicator lamp in school circuits, physics practicals and science models. Students and teachers use it as an alternative to filament bulbs and to add colour to working models and projects. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for both single-bench orders and school lab equipment bulk supply.

Specifications

Parameter	Detail
Component	Light-emitting diode (LED)
Size	5 mm
Mounting	On board
Typical use	Alternative to bulbs; adds colour to models
Product code	SCL-445/119
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the LED Used For?

An LED glows only when current flows through it in the forward direction, so it works both as a light source and as a polarity indicator. In class it replaces a torch bulb in simple circuits, shows whether a switch or logic output is on, and demonstrates that a diode conducts one way only. In science fair models it adds coloured lighting with little heat and a small current draw.

Always connect the LED through a series resistor, because an LED placed straight across a cell or supply can pass too much current and fail. Identify the anode (positive) and cathode before connecting; a reversed LED simply stays dark, which is itself a useful lesson in polarity. Mounting the 5 mm LED on a board keeps this small component easy to handle and reuse across many practical sessions.

What to Specify When Ordering

- Number of board-mounted 5 mm LEDs per bench or per model.
- Whether loose LEDs, such as the separate white 5 mm listing, suit your project better than the board-mounted version.
- Any resistors, switches or power sources to include in the same quotation.

Supplier

Jain Scientific Equipments Private Limited, whose trading name is ScienceLab, supplies the board-mounted LED from Ambala, Haryana, to schools, hobby and model-making centres, colleges and dealers in India and international markets. Teachers building circuit kits often combine LEDs with cells, switches and resistors in one order. Find out more on the ScienceLab company profile.

Rela

Items

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