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Product Name :

LED Bright Red

Product Code :

SLE/PHY/83



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Description :

LED Bright Red (Product Code: SLE/PHY/83) is a standard 5 mm bright red light-emitting diode used as a status indicator and to teach diode polarity in school electronics and physics lessons. It is sold in a pack of 100, and the same 5 mm LED is offered in a range of colours for colour-coded circuits. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for classroom and project use.

Specifications

Parameter	Detail
Type	Standard LED, 5 mm
Colour	Bright red
Pack size	100
Range	Same 5 mm LED available in a range of colours
Product code	SLE/PHY/83
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Bright Red LED Used For?

Red is the colour people read as "on" or "warning", so bright red LEDs are the usual choice for power indicators, alarm lights and the output lamps in logic gates experiment kit circuits, where a lit LED shows a logic 1. In a first diode lesson, students connect one each way round and see that it lights only when forward biased, a memorable demonstration of one-way conduction.

Paired with green LEDs, red ones let pupils build traffic-light models and two-colour polarity testers that show which way current is flowing. Fit a series resistor in every circuit, check the leads before soldering, and keep unused LEDs in the pack so the full 100 stay sorted by colour.

What to Specify When Ordering

- Number of packs of 100 bright red LEDs
- Other colours needed for colour-coded work, such as white or blue
- Whether a board-mounted red LED module would suit younger students better

Manufacturer

Jain Scientific Equipments Private Limited manufactures these bright red LEDs under its ScienceLab name, as one of the stock components it provides to school electronics labs, teachers and dealers. They can be combined with white and blue LEDs and circuit modules in a single order. The company profile has more details.

Related Physics Lab Equipment

Useful with red LEDs in indicator and logic work:

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