



GENERAL INFORMATION

- Product Name: A-SERIES
- Model Number: A320
- LED Type: COB (Chip on Board)
- LED Density: 320 LEDs per meter
- Power Consumption: 10 Watts per meter
- Cutting Intervals: 25mm (12V) / 50mm (24V)
- Beam Angle: 180 degrees
- Luminous Flux: 900-1200 lumens per meter
- CRI (Colour Rendering Index): ≥ 90
- Dimmable: Yes (PWM dimming)
- IP Rating: IP20 (Indoor use), IP65 (Water-resistant coating available)

ELECTRICAL SPECIFICATIONS

- Operating Voltage: 12V DC / 24V DC
- Power Consumption: 10W per meter
- 0.83A per meter (12V version)
- 0.42A per meter (24V version)

MECHANICAL SPECIFICATIONS

- Width: 8mm
- Height: 2mm
- Length: Standard rolls of 5 meters, customizable lengths available
- Substrate Material: Flexible PCB (Printed Circuit Board)
- Mounting: 3M adhesive tape on the back for easy installation

THERMAL MANAGEMENT

- Operating Temperature: -20°C to $+50^{\circ}\text{C}$
- Storage Temperature: -40°C to $+80^{\circ}\text{C}$
- Use heatsink or installation on a thermally conductive surface for optimal performance & longevity

ENVIRONMENTAL AND COMPLIANCE

- RoHS Compliant: Yes
- CE Certified: Yes
- Warranty: 3 years limited warranty

INSTALLATION AND HANDLING

- Ensure the surface is clean and dry before applying the adhesive.
- For optimal cooling, install on a metal or thermally conductive surface.
- Avoid bending the strip sharply to prevent damage to the LED chips
- Handle with care to avoid damaging the LED chips or PCB.
- Do not connect the strip while the power is on.
- Use only with compatible dimmers and power supplies.

APPLICATIONS

- Residential Lighting: Under cabinet lighting, cove lighting, accent lighting
- Commercial Lighting: Display case lighting, retail lighting, backlighting
- Architectural Lighting: Linear lighting, indirect lighting, decorative lighting
- DIY Projects: Custom lighting designs, artistic lighting