GENERAL INFORMATION

•   Product Name: A-SERIES
•   Model Number: A320
•   LED Type: COB (Chip on Board)
•   LED Density: 320 LEDs 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
•   IP Rating: IP20 (Indoor use), IP65 (Water-resistant coating available)

ELECTRICAL SPECIFICATIONS

•   Operating Voltage: 12V DC / 24V DC
•   Power Consumption: 8 Watts 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°C
•   Storage Temperature: -40°C to +80°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