

S-Shape Bendable LED Strip - 12V, IP20

SMD 2835 | 120 LEDs/m | 6mm wide | 10mm cut interval

2 Years
WARRANTY

IP20
BODY RATING

5m
SUPPLIED ROLL

10mm
CUT INTERVAL

12V DC
SUPPLY

SPECIFICATIONS

LED type	SMD 2835
Voltage	12V DC constant voltage
Colour	Choice of single colours
Strip size	6mm × 2mm
LEDs per metre	120
Power	9 W/m
Cut interval	10mm
Supplied length	5m
Body protection	IP20
Warranty	2 Years
CRI, white colours	>80



S-shape SMD construction reference from the catalogue. Use the ATOM specifications and actual strip cut marks.

WHAT IS SUPPLIED

LED strip only; soldered connection cable not included.

COLOUR OPTIONS

Warm White, Cool White, Natural White, Red, Green, Orange, Blue, Purple, Yellow, Ice Blue, Lemon Yellow, Pink, Rose Red.

CUTTING AND INSTALLATION PLANNING

Cut only at the marked 10mm positions. Confirm the final length, strip width and connection clearance before cutting. Isolate power before making or changing any connection. A soldered connection lead is not supplied.

Bespoke LED lighting

ATOM LED supplies lighting for UK homes, trade and commercial projects. Contact our team for help matching the strip, profile, power supply and planned route.

Power, cutting and fitting

12V DC | IP20 | 9 W/m | 10mm cut interval

SYSTEM OVERVIEW

12V DC supply

Constant-voltage output

Correct connection

Match marked + and – terminals

Single-colour strip

Observe product load and run limits

Concept only; follow the actual strip markings and component instructions. This is not a cable-colour diagram or a universal connector pinout.

ELECTRICAL PLANNING

Select a regulated 12V DC constant-voltage supply for the connected strip load, cable arrangement and component instructions. The power supply is selected separately.

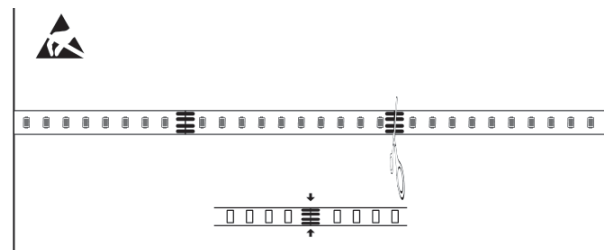
5m is the supplied roll length. A maximum powered-run limit is not specified here; contact ATOM LED to confirm the feed arrangement for the proposed layout.

1m strip load	9 W
5m strip load	45 W
Current per metre	0.75 A

Calculated from listed W/m and 12V. These are strip-load figures, not a driver size or extra run-length rating.

MEASURE, ISOLATE AND CUT

Measure the final route and select the marked 10mm cutting position on the actual strip. Disconnect power before cutting. Keep the cut square and avoid lifting pads or damaging adjacent components.



Original catalogue cutting example; pad pattern and pitch are not specifications for this product.

MOUNTING AND PROTECTION

Use a mounting arrangement appropriate to the strip and its operating conditions. Prepare a clean, dry surface. Support the tape and connections without crushing, sharp bends or cable strain. Follow the zig-zag PCB shape for sideways curves; do not crease or force the circuit.

IP20 is for dry indoor use. Keep tape, conductors and connections away from water and splashes.

TEST, MAINTAIN AND PROTECT THE WARRANTY

Fully unroll the strip before testing. Check voltage, polarity and secure connections before final fixing. Stop and isolate the supply if a section flickers, overheats or is damaged. Isolate power before cleaning or maintenance.

Warranty and support

Warranty: 2 Years. Follow the product and component instructions. Contact ATOM LED before an uncertain cut, connection, power-feed arrangement or wet-location installation.

12V DC | IP20 | Single-colour

MAINS, POWER SUPPLY, CONTROLLER AND STRIP



Use a regulated 12V DC constant-voltage supply. Match its + and – outputs to the required DC input. Follow the PSU's own mains and protective-earth instructions.

Power-supply stage: original MiBoxer manual example



Controller stage: original MiBoxer HW5 connection diagram

Optional controller reference: confirm PWM dimming suitability for this strip before adding a dimmer. If specified, use HW5 single-colour mode with a 12V DC supply and follow the actual +/- markings.

HW5: maximum 15A per channel and 30A total. Check the driver, each channel, connector and cable against the connected load. The separate source panels show the supply stage and the controller circuit.

CONNECTOR AND TERMINATION

Use the actual positive and negative pads and the specified soldered termination; this S-shape strip has no cable included. An exact clip connector has not been verified for this SMD pad layout; a COB connector with the same width is not a confirmed substitute.

Isolate power before cutting, wiring or changing connections. Use the product figures and cut marks on pages 1-2 for the strip itself.