

Blue LED Strip - 12V, IP20

SMD 2835 | 240 LEDs/m | 10mm wide | 50mm cut interval

2 Years
WARRANTY

IP20
BODY RATING

5m
SUPPLIED ROLL

50mm
CUT INTERVAL

12V DC
SUPPLY

SPECIFICATIONS

LED type	SMD 2835
Voltage	12V DC constant voltage
Colour	Blue
Strip size	10mm wide
LEDs per metre	240
Power	14.5 W/m
Cut interval	50mm
Supplied length	5m
Body protection	IP20
Warranty	2 Years
Lumens per metre	1400 lm
Beam angle	180 degree
Dimming	No
Lifetime	50,000 hours
Certification	CE and RoHS



SMD2835 construction reference from the catalogue. Emitted colour and ATOM electrical specifications are listed separately.

WHAT IS SUPPLIED

LED strip only.

FIT AND APPEARANCE

Closely spaced SMD LEDs suit detailed dry-interior layouts. Check the light pattern and mounting conditions before final fixing.

CUTTING AND INSTALLATION PLANNING

Cut only at the marked 50mm positions. Confirm the final length, strip width and connection clearance before cutting. Isolate power before making or changing any connection.

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 | 14.5 W/m | 50mm 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.

Dimming: this listing is specified as non-dimmable.

1m strip load 14.5 W

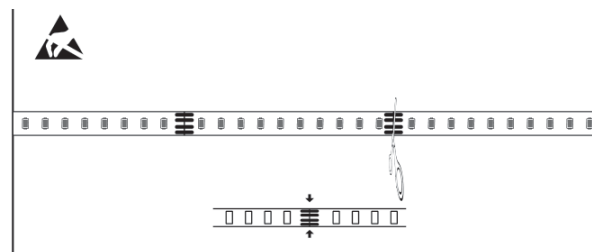
5m strip load 72.5 W

Current per metre 1.21 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 50mm 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.

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.

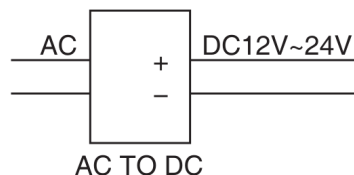
Warranty and support

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

Wiring and connector reference

12V DC | IP20 | Single-colour, non-dimmable

MAINS, POWER SUPPLY, CONTROLLER AND STRIP



AC mains to 12V DC

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

DIRECT SUPPLY — NO PWM CONTROLLER SPECIFIED

This listing states “Dimming: No”. Use the specified 12V DC supply and the strip’s actual positive and negative lead markings. No dimmer or colour controller is recommended on this sheet.

The power-supply figure above is a source reference for AC-to-DC conversion. It is not a product-specific strip termination diagram. Confirm the actual lead and connector arrangement before installation.

CONNECTOR AND TERMINATION

Connect through the supplied leads using the actual +/- markings. 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.