

Red LED Strip - 12V, IP65

SMD 5050 | 60 LEDs/m | 10mm wide | 50mm cut interval

2 Years

WARRANTY

IP65

BODY RATING

5m

SUPPLIED ROLL

50mm

CUT INTERVAL

12V DC

SUPPLY

SPECIFICATIONS

LED type	SMD 5050
Voltage	12V DC constant voltage
Colour	Red
Strip size	10mm wide
LEDs per metre	60
Power	9 W/m
Cut interval	50mm
Supplied length	5m
Continuous run	5m
Body protection	IP65
Warranty	2 Years
Lumens per metre	870 lumens
Cable length	20cm Extension Lead
Operating temperature	-30°C to 40°C
Lifetime	50,000 hours
Continuous operation	12 hours
Certification	CE, RoHS



5050 LED layout reference from the catalogue. Finished IP65 coating and emitted colour are not shown in this component illustration.

WHAT IS SUPPLIED

LED strip only.

FIT AND APPEARANCE

Choose a compatible silicone profile for a diffused finish. Check internal clearance and test the appearance in the actual installation.

A silicone profile does not establish the protection of connections or the finished assembly.

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 | IP65 | 9 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.

Keep within the listed 5m continuous-run limit. Longer layouts need a suitable arrangement of separate powered runs.

1m strip load 9 W

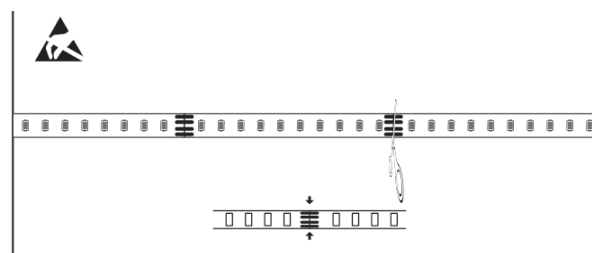
5m strip load 45 W

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 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 compatible silicone profile when a diffused appearance is required. Check clearance, avoid sharp bends or twisting, and evaluate a sample in the intended position.

IP65 describes the strip body. Every cut end, connector and power component needs protection suited to its location. Altering a factory seal can compromise the finished installation; obtain the product-specific termination method.

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.

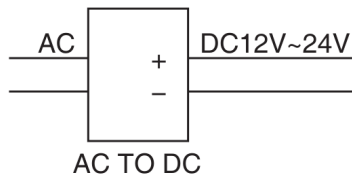
Warranty and support

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 | IP65 | Single-colour

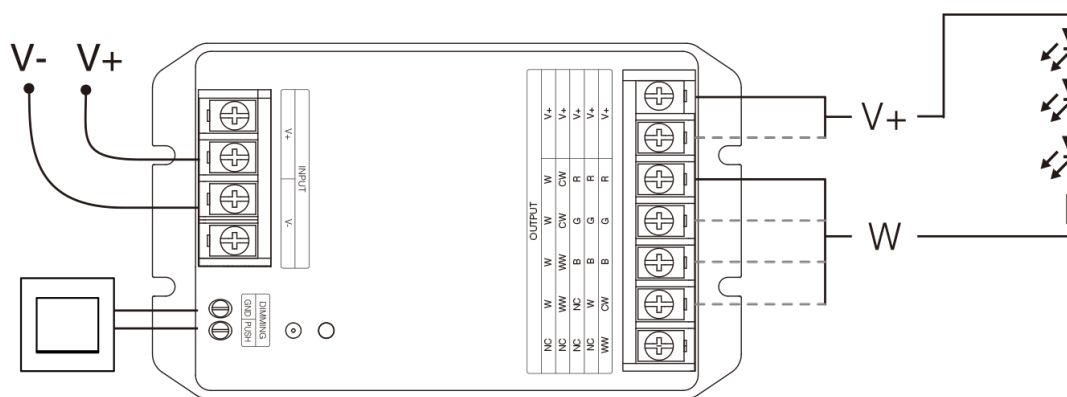
MAINS, POWER SUPPLY, CONTROLLER AND STRIP



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



PUSH switch

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

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.

Protect cut ends and joints using the specified sealing method. Keep the controller and exposed connections dry.

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