

Digital RGB CCT COB LED Strip - 24V, IP68

840 LEDs/m | 18mm wide | WS2805 | 71.42mm cut interval

5 Years
WARRANTY

IP68
BODY RATING

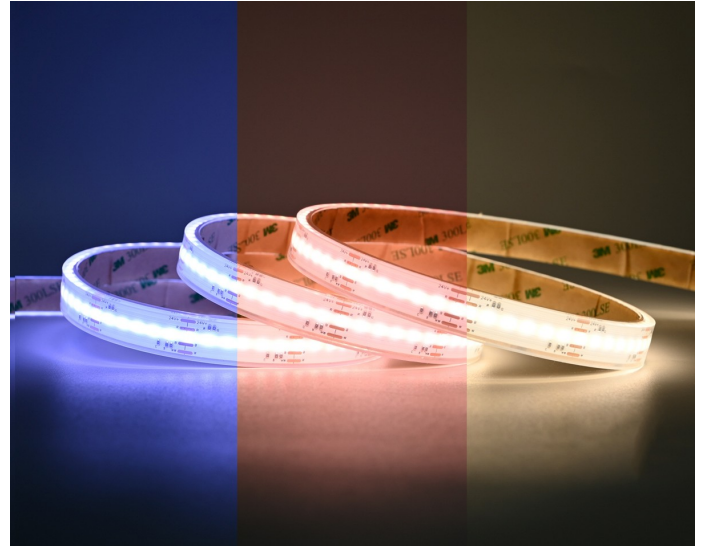
10m
CONTINUOUS RUN

71.42mm
CUT INTERVAL

24V DC
SUPPLY

SPECIFICATIONS

LED type	COB LED Strip
Voltage	24V DC constant voltage
Colour output	RGB + adjustable white
Strip size	18mmx5mm
LEDs per metre	840
Cable length	20cm
Lumens per metre	870 lm/m
Power	26 W/m
Control	WS2805
Pixel density	14 pixels/m
Cut interval	71.42mm
Order length	5m or 10m
Continuous run	10m
Body protection	IP68
Warranty	5 Years
Operating temperature	-25°C to 40°C
Lifetime	50,000 hours
CRI, white output	>90
Continuous operation	15 hours
Certification	UKCA, CE, RoHS



Representative protected RGB CCT COB construction (catalogue illustration).

COLOUR AND CONTROL

RGB colour mixing with adjustable white channels. Addressable control supports gradients, colour chases and animated scenes with the matching SPI controller.

Power supply and controller are selected separately for the installation. Check every connection against the actual strip markings.

CUTTING, FIT AND ORDERING

Cut only at the marked 71.42mm positions. The strip is 18mm wide; allow for connectors and verify the profile's internal channel. Order lengths are 5m or 10m. A longer roll or project length does not increase the 10m continuous-run limit.

Made to measure

ATOM LED supplies custom-cut lighting for UK projects. Choose the required length at permitted cut marks or contact our team before ordering a longer installation.

Power, connection and installation

RGB CCT | 24V DC | IP68 | WS2805

DIMENSIONS AND CUTTING REFERENCE



Overall width

18mm

Finished dimensions

18 × 5mm

Cut interval

71.42mm

Representative protected RGB CCT COB construction (catalogue illustration). ATOM dimensions and cutting interval are listed alongside; image is not to scale.

ELECTRICAL PLANNING

Use a regulated 24V DC constant-voltage supply. Rated strip load is 26 W per metre. Size the driver, controller and cables for the connected load and their own installation requirements.

Keep within the 10m continuous-run limit. Have the feed arrangement checked for your planned layout. For longer layouts, plan separate runs and check voltage at the strip under load.

1m connected load	26 W
5m connected load	130 W
Current per metre	1.08 A (calculated)

Calculated from the listed W/m and 24V; not a driver size or an additional run-length rating.

FIT AND HANDLING

Measure before cutting

Confirm the marked 71.42mm cut position and final length. Isolate the power before cutting or connecting.

Mount without stress

Use a clean, dry surface and a suitable aluminium profile. Keep the strip clear of sharp edges; do not bend sharply, twist, crease, crush or pull on the connections.

Confirm control compatibility

Use a WS2805 controller matched to this product.

PROTECTION AND COMMISSIONING

IP68 describes the strip body. Protect the power equipment, connectors and every cut end for the installation. Cutting or altering factory seals can compromise the completed assembly; use the correct product-specific termination method. Fully unroll the strip before testing. Check voltage, polarity, channel mapping and connections before final fixing. Stop and isolate the power if a section overheats, flickers or is damaged.

Installation guide and warranty

Read [Install-COB24V-Colour.pdf](#) before fitting. Warranty: 5 Years. Follow the product and component instructions. Contact ATOM LED before altering a sealed strip or preparing a wet-location connection.

Wiring and connector reference

24V DC | IP68 | WS2805

ACTUAL WS2805 INPUT PADS AND DIRECTION



Connection close-up from this ATOM product listing

Printed inputs: 24V+, DIN, FDIN and GND. Follow the printed input direction; DO and FDO are output-side markings. The photo records the actual strip, not a universal wire-colour order.

CONNECTION STILL TO BE CONFIRMED

Use a 24V DC supply and a controller that expressly supports WS2805 RGB+CCT. The exact controller-to-strip terminal mapping and FDIN termination have not yet been verified for this product. Confirm these with ATOM before installation.

An analogue RGB+CCT diagram or a WS2811/WS2801 diagram is not the wiring instruction for this strip. The missing detail is retained in the product review register.

CONNECTOR AND TERMINATION

Replacement connector not yet verified. Retain the supplied lead arrangement and obtain the exact WS2805 controller/FDIN instructions before connection.

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