Cool White 6500K COB LED Strip 24V 10mm 480LEDs/m IP67 15m Run

Silicone-covered COB strip, 7.5 W/m, 15m maximum powered run

7 Years	IP67	15m	50mm	>90	6500K	24V
INDOOR USE	IP RATING	MAX RUN	CUT	CRI	COLOUR TEMP	DC

SPECIFICATION

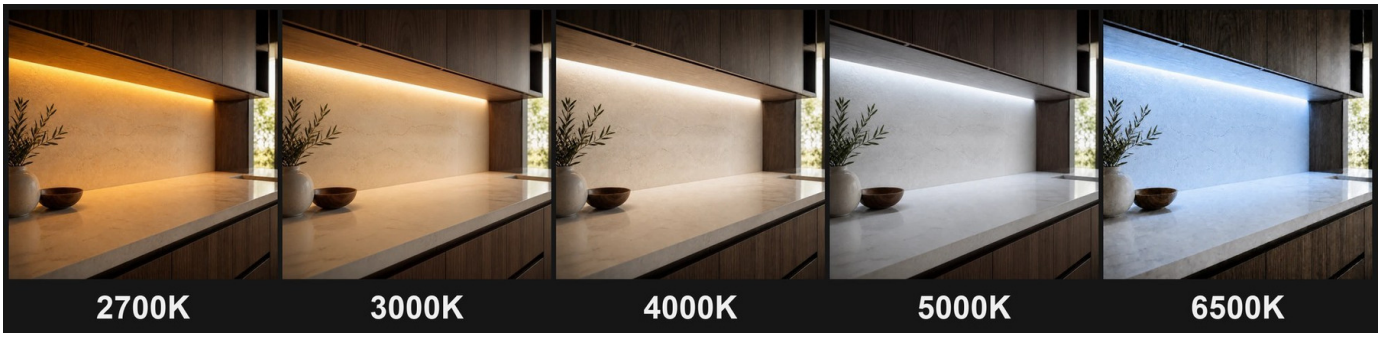
LED type	Silicone COB LED strip
Voltage	24V DC constant voltage
Strip width x height	10 x 5mm
LEDs per metre	480
Colour temperature	6500K Cool White
Power	7.5 W/m
Luminous flux	870 lm/m
CRI	>90
Cut interval	50mm (5cm)
Maximum powered run	15 metres
Supply roll	30 metres
Adhesive	3M tape
IP rating	IP67
Warranty	7 years (indoor use)



6500K cool white product illustration

Manufacturer and product brand: ATOM LED

CHOOSING A COLOUR TEMPERATURE



The same kitchen lit by each colour temperature in this range

2700K Warmest white for bedrooms, living rooms and hospitality.

3000K Warm white for kitchens, shelving and coves.

4000K Natural white for worktops, wardrobes and displays.

5000K Clean daylight white for task lighting and detail work.

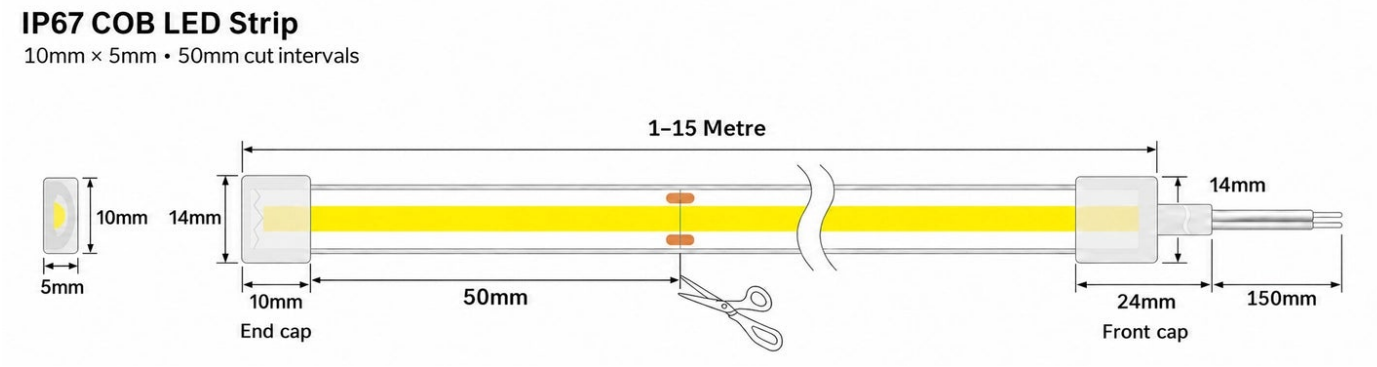
6500K Cool white for crisp display and task-lighting effects.

Dimensions, description and handling

Dimensions, description and what arrives in the box

DIMENSIONS

Drawing: 150mm lead. Supplied cable length follows your order.



DESCRIPTION

A silicone-covered 10 x 5mm COB strip operating on 24V DC, with 480 LED chips per metre at 7.5W per metre. The continuous light surface delivers uniform, dot-free illumination.

6500K Cool White provides a crisp cool white for displays and high-contrast lighting. IP67 protection suits indoor and outdoor installations when every cut end and connection is correctly sealed.

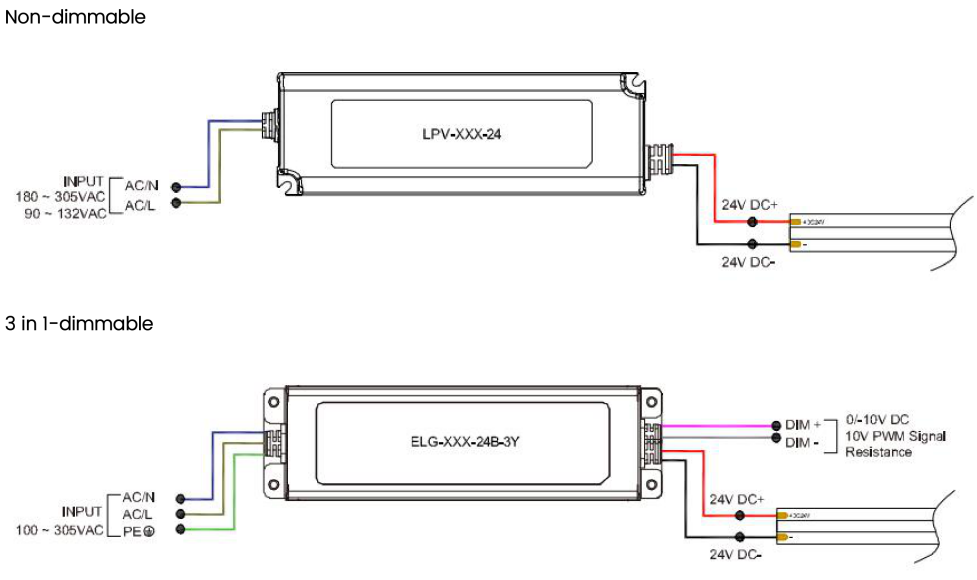
Cut and prepared from a 30m supply roll at the marked 50mm positions. The maximum continuous powered run is 15m; longer installations require separate powered runs.

Install in a suitable aluminium profile for support and protection, particularly outdoors. Made-to-measure lengths and selected cable options are prepared to order at the permitted cut points.

IN THE BOX

Your strip is cut to the ordered length and fitted with the cable you select. A 20cm lead is included.
Choose power supplies, controls and profiles separately.

WIRING DIAGRAM



Non-dimmable and compatible dimmable 24V single-colour connections

Cautions

Read before cutting, bending or powering the strip

HANDLING AND INSTALLATION

1

Unroll before powering

Lay out the full working length before connecting a power supply.

2

Cut at the printed marks

Cut squarely at the 50mm positions. Reseal any cut end before use.

3

Curve gently

Follow the strip's natural bending direction. Avoid sharp folds or twisting.

4

Protect connections

Do not crease or repeatedly bend the strip at a solder joint or cable entry.

5

Fit a suitable profile

Mount on a clean, dry surface. Use an aluminium profile for support.

6

Check and seal joints

Match +24V and negative correctly. Seal cut ends and connections for IP67.

SAFETY WARNINGS

Use only a 24V constant-voltage DC supply. Never connect this DC strip directly to 220-240V AC mains.

Switch off and isolate the power supply before cutting, installing or making connections. Mains connections must be completed by a competent person.

Never operate the strip while it is coiled on the reel. Keep connections secure and protected from short circuits.

IP67 protection depends on correctly sealed ends and joints. Cutting or altering a connection requires suitable resealing. Do not use for permanent submersion.

Size the power supply and controller for the complete load. Use weather-protected equipment outdoors, follow its instructions and keep powered runs within 15m.

For project advice, contact House of LEDs on **01952 370085** or **sales@houseofleds.co.uk**.

Compatible profiles

Aluminium profiles for a 10 x 5mm silicone-covered strip

ALUMINIUM PROFILE EXAMPLES



SURFACE - INDOOR
ALPROFILE-509
17 x 8mm
1m / 2m



SURFACE - INDOOR
ALPROFILE-509B
17 x 8mm
1m / 2m



RECESSED - INDOOR
ALPROFILE613B
24 x 14.2mm
1m



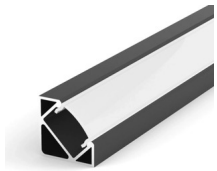
CORNER - INDOOR
CP16X16MM-1M-WH
16 x 16mm
1m / 2m



CORNER - INDOOR
CP16X16MM-1M-BK
16 x 16mm
1m / 2m



CORNER - INDOOR
PROFILE614
19 x 19mm
1m / 2m



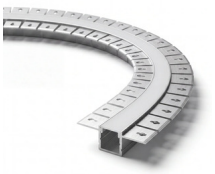
CORNER - INDOOR
PROFILE614-B
19 x 19mm
1m / 2m



PLASTER-IN - INDOOR
S-PIP-P1513-1M
55.5 x 13mm
1m / 2m



PLASTER-IN - INDOOR
S-PIP-P2015-1M
60.3 x 15mm
1m / 2m / 2.45m



BENDABLE - INDOOR
B-PIP-P2015-2M
60.3 x 15mm
2m / 3m



FLOOR / DECK
NFPROF-CN635-1M
32.4 x 20mm
1m / 2m

Profiles are sold separately. Standard channels are for dry indoor mounting; use a suitable outdoor housing outdoors. CN635 floor/deck installations require drainage. Allow space for 14mm-wide caps beyond the channel where required. Check the complete fit. A profile does not replace IP67 sealing.

For profile selection, contact House of LEDs: 01952 370085.