

CCT Tunable White COB LED Strip 24V 8mm 624LEDs/m IP20

Dot-free 8mm COB strip, 2700K to 6000K on one run, 10 metre run on a single feed

5 YEARS WARRANTY	IP20 IP RATING	10M MAX RUN	19.3mm CUT POINTS	90+ HIGH CRI	CCT 2700-6000K	24V DC
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SPECIFICATION

LED type	COB (chips on FPC), tunable white
Voltage	24V DC constant voltage
Section	8mm × 2mm, white FPC
LEDs per metre	624
Colour temperature	2700K to 6000K, tunable
Luminous flux	770 lm/m combined
Power	13 W/m
Efficacy	59 lm/W
CRI	Ra>90
Cut points	Every 19.3mm
Maximum run	10m single feed
IP rating	IP20 — dry interiors only
Adhesive	3M adhesive tape
Operating temperature	-25°C to 40°C
Life	50,000 hours
Warranty	5 years
Certification	UKCA, CE, RoHS

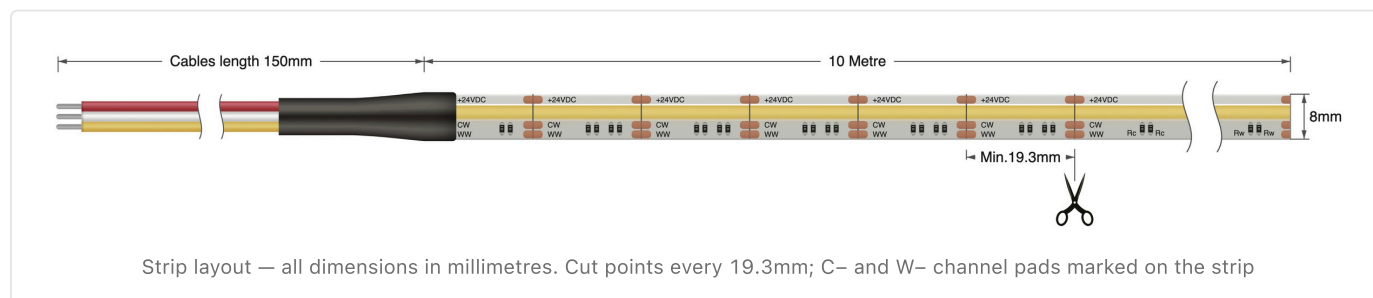


DESCRIPTION

Two channels of chips under one continuous phosphor line: balance warm against cool and the light sets anywhere from 2700K to 6000K on one run, with no dots. Three wires — one shared positive, one negative per channel.

The 770 lm/m headline is both channels at full, which lands mid-range. At either end only one channel is lit, so the strip gives roughly half that. Size the run on the end figure, not the headline.

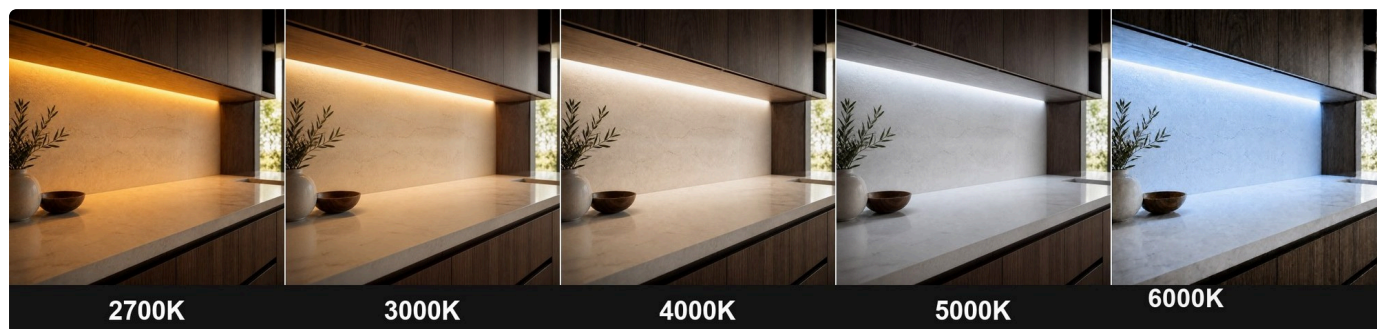
DIMENSIONS



If you require any advice for your project, feel free to get in touch — our technical team is here Monday to Friday, 9am–5pm on 01952 370028 or sales@atomled.co.uk.

What each setting in the range is for

One strip covers the whole range — the same room at five points along it



The same under-cabinet run, tuned to each of the five reference points

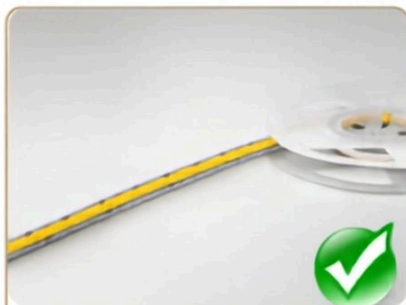
WHERE EACH ONE SUITS

2700K	Filament warmth. The evening setting for living rooms, bedrooms and hospitality.
3000K	Warm without going amber. Kitchens, under-cabinet runs and stair coving.
4000K	Neutral, and it reads colours honestly. Worktops, wardrobes and retail display.
5000K	A crisp working white for garages, workshops, utility rooms and cleaning.
6000K	The coldest in the range, close to daylight. Display cabinets, signage and benches.

Output is highest in the middle of the range, where both channels are lit. At 2700K and at 6000K only one channel is working, so the strip gives roughly half the headline figure — worth allowing for if the run will sit at one end of the range most of its life.

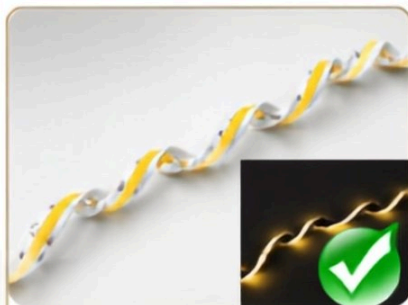
Handling and installation

Read before cutting, bending or powering the strip



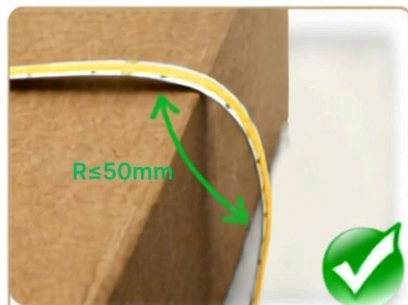
1

Straighten the COB tape light vertically during normal service.



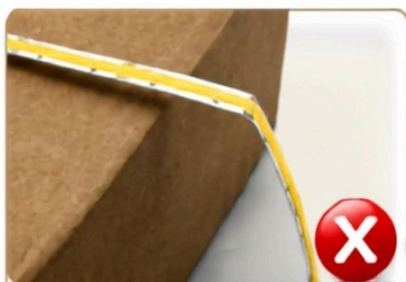
2

Radius of torsion $\geq 20\text{MM}$,
Angle of torsion: 1080°



3

During normal service, once need a turning, must hold the curve of COB tape light with its front side up and back side down.
(Attention: keep the curved radiant $\geq 50\text{mm}$)



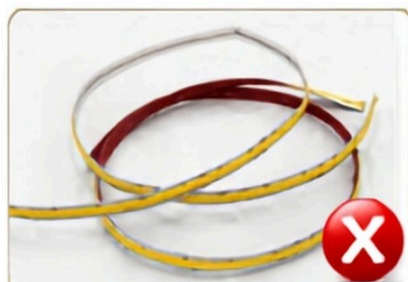
4

Once need a turning, couldn't curved of 90 degree.



5

Do not bend at the solder pad.



6

The COB tape light can not be removed all from the reel, then install from the front end.

- Never connect this strip to 220–240V mains. Feed it only from an isolated 24V DC constant voltage driver.
- Three wires: one shared positive, one negative per channel, marked C– and W–. Bridging the negatives locks the colour.
- Colour is set by a two-channel CCT controller between driver and strip. A plain dimmer changes brightness only.
- Never power the strip while it is still coiled. Heat builds in the coil, lifts the adhesive and is a fire risk.
- IP20, so dry interiors only. It is not sealed against water: no bathroom zones, no splash zones, nothing outdoors.
- Cut only on the marked 19.3mm pads, and never bend at a solder pad.
- Mount in aluminium profile or on an insulating surface, never on bare metal without a barrier.
- Drop shows as a dim, warm-shifted far end. Past 10 metres, feed both ends or add a second driver.