

Cool White 6500K COB LED Strip 24V 10mm 480LEDs/m IP20 8.33mm Cut 15m Run

Dot-free 10mm COB strip, 9W per metre, 1,056 lm/m, 15 metre maximum run

7Years
Warranty

IP20
IP RATING

15M
MAX RUN

8.33
MM CUT

90+
HIGH CRI

6500K
COLOUR TEMP

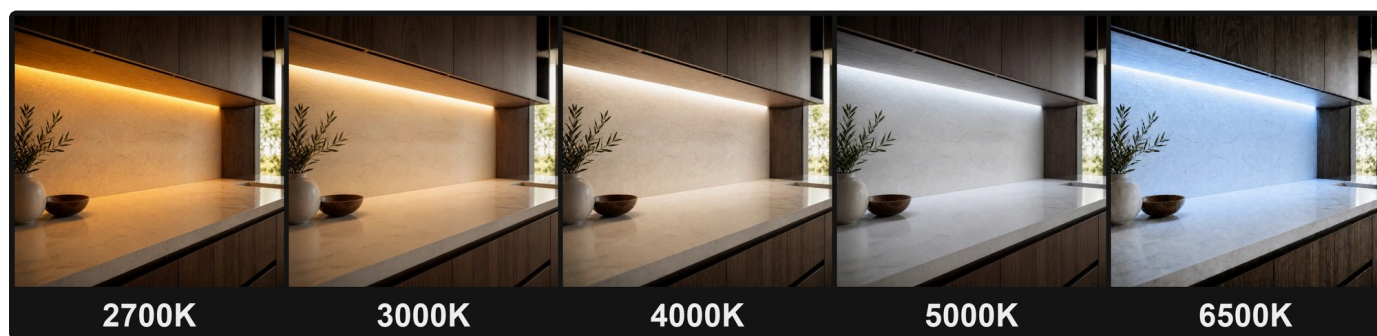
24V
DC

SPECIFICATION

LED type	COB LED Strip
Voltage	24V DC
PCB width	10mm
LEDs per metre	480
Colour temperature	6500K
Nominal power	9 W/m
Nominal light output	1,056 lm/m
Calculated output at 15m	15,840 lm
CRI / SDCM	Ra ≥90 / <3
Cut interval	Every 8.33mm
Order length / lead	1m - 15m / 150mm lead
Adhesive	3M Tape
Maximum run	15m
IP rating	IP20
Warranty	7 Years



CHOOSING A COLOUR TEMPERATURE



The same kitchen lit by each colour temperature in this range

2700K The warmest in the range, closest to filament. Living rooms, bedrooms, hospitality.

4000K Neutral. Reads colours honestly, so it suits worktops, wardrobes and retail display.

6500K The coldest, close to daylight. Display cabinets, signage and benches.

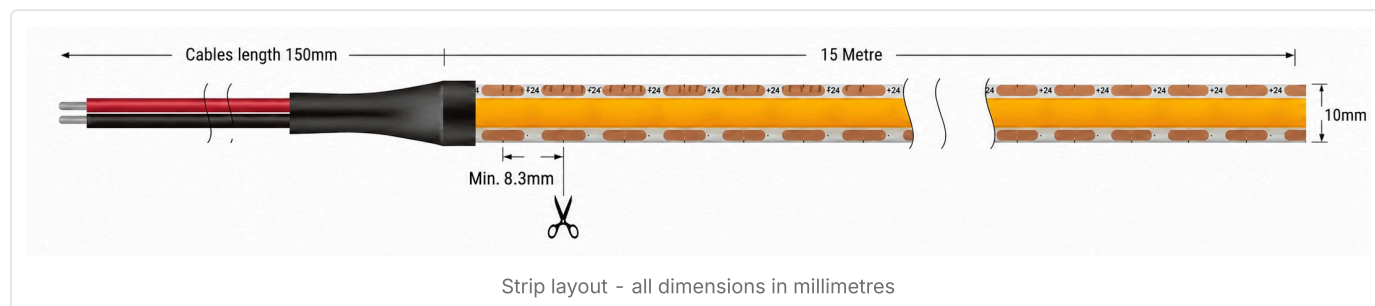
3000K Warm without going amber. The usual choice for kitchens and stair coving.

5000K A crisp working white for garages, workshops and utility rooms.

Dimensions, description and handling

Dimensions, description and what arrives in the box

DIMENSIONS



DESCRIPTION

A 10mm COB strip on 24V, running 480 chips per metre at 9W/m. The continuous phosphor emitting face produces a smooth, dot-free line of light.

6500K is a cool, ice-white appearance for technical areas, garages, display cases and high-contrast architectural details. Adjusted nominal light output is 1,056 lm/m: 5,280 lm at 5m, 10,560 lm at 10m and 15,840 lm at 15m.

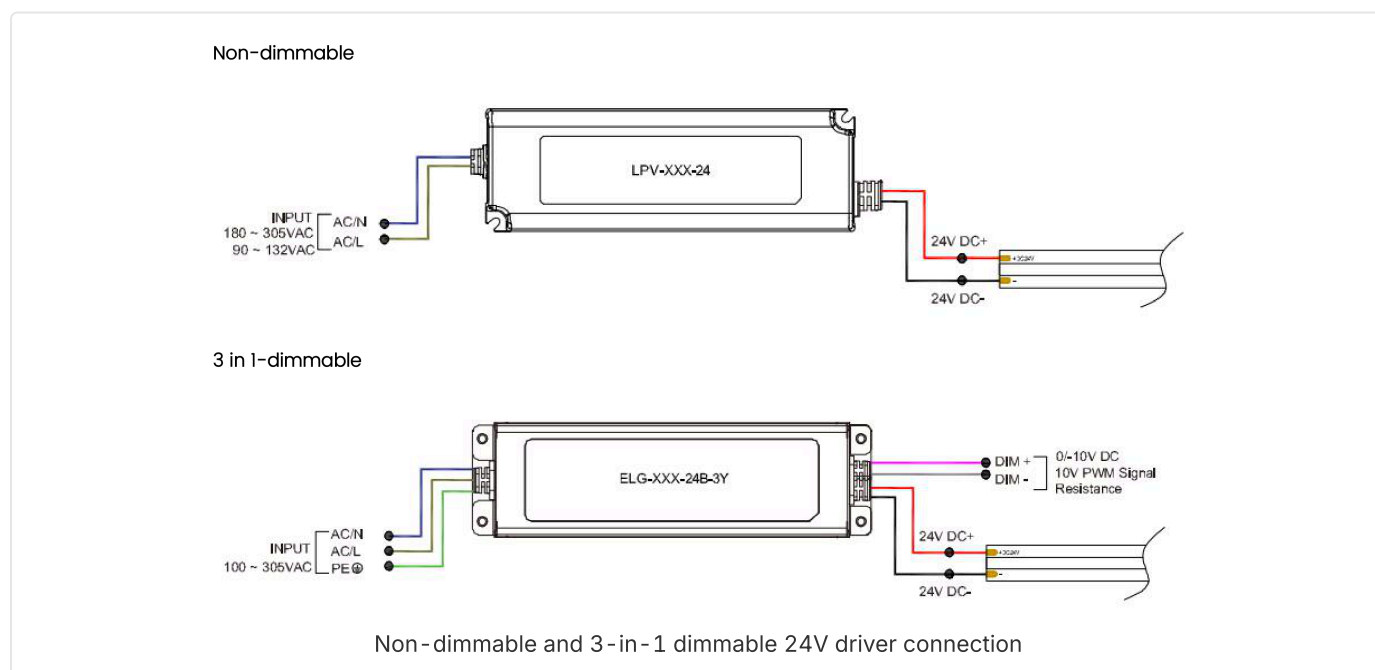
Cut only at the marked copper pads, spaced every 8.33mm. The maximum continuous run is 15 metres; use a correctly sized 24V constant-voltage driver.

Available in 1m to 15m size options, with Made to Measure cutting at valid pad positions. Install in a compatible aluminium profile for thermal management and a clean finish.

IN THE BOX

- COB strip, selected or Made to Measure length, with 1 × 150mm connection lead

WIRING DIAGRAM



Cautions

Read before cutting, bending or powering the strip

HANDLING AND INSTALLATION

Cautions:



1

Straighten the COB tape light vertically during normal service.



2

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



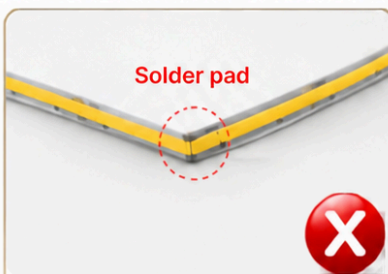
3

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.

SAFETY WARNINGS

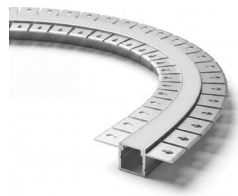
- Never connect this 24V DC strip directly to 220-240V mains. Use a correctly sized 24V constant-voltage driver.
- Observe polarity. Insulate unused conductors separately and never short + and -. Any multi-point feeding must follow a properly designed 24V circuit.
- Never power the strip while it is coiled on the reel. Heat builds in the coil, which can damage the LEDs and adhesive and create a fire risk.
- The strip is static-sensitive. Wear an anti-static wrist strap or suitable gloves when handling it.

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.

Compatible profiles

Aluminium channel and silicone covers this 10mm strip fits, and the lengths each is stocked in

ALUMINIUM AND SILICONE PROFILES THIS STRIP FITS

 SURFACE ALPROFILE-509 17 × 8mm 1m · 2m (PROF-509-2M)	 SURFACE PROF-1210B-1M 12 × 10mm 1m · 2.45m	 RECESSED ALRPROF25X7X12-508 25 × 7mm 1m · 2m	 RECESSED ALPROFILE613B 24 × 14.2mm 1m
 CORNER CP16X16MM-1M-WH 16 × 16mm 1m · 2m	 CORNER PROFILE614 19 × 19mm 1m · 2m (CP1919-2M)	 PLASTER-IN S-PIP-P1513-1M 55.5 × 13mm 1m · 2m · 2.45m	 PLASTER-IN B-PIP-P2015-2M bendable 2m · 3m
 SILICONE T1510 15 × 10mm 1m to 8m+	 SILICONE T1616 16 × 16mm 1m to 8m+	 SILICONE T2010 20 × 10mm 1m to 8m+	 SILICONE SD1220 12 × 20mm 1m to 8m+

Twelve of the 41 profiles that take a 10mm strip are shown. Aluminium profiles are separate products per length; silicone covers are one product sold by the metre. If you are unsure which profile suits your detail, call 01952 370028 and our technical team will size it with you.