

Cool White 6500K COB LED Strip 48V 10mm 480LEDs/m IP20 30m Run

Dot-free 10mm COB strip, 7.5 W/m, 30 metre run on a single feed

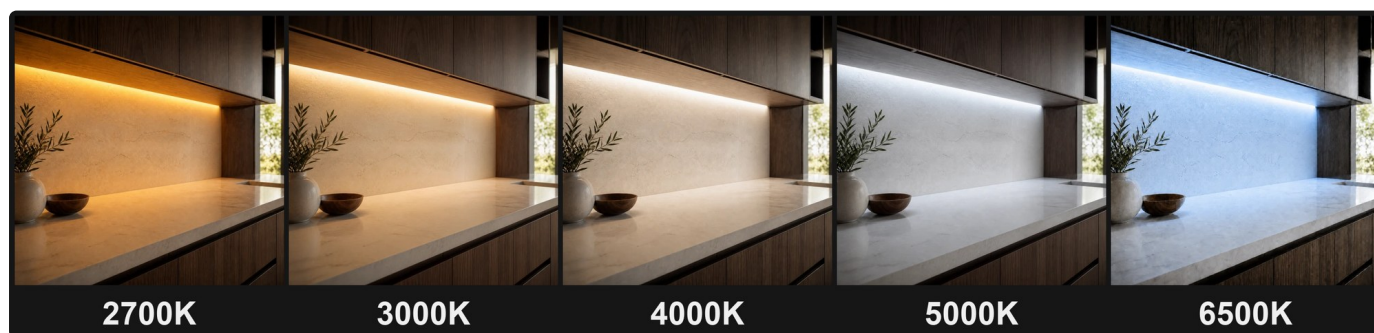
7Years Warranty	IP20 IP RATING	30M MAX RUN	50mm CUT	90+ HIGH CRI	6500K COLOUR TEMP	48V DC
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SPECIFICATION

LED type	COB LED Strip
Voltage	48V DC constant voltage
Section	10mm × 2mm
LEDs per metre	480
Colour temperature	6500K
Luminous flux	723 lm/m
Power	7.5 W/m
Efficacy	96 lm/W
CRI	>90, SDCM <3
Cut interval	Every 50mm
Order length / lead	1m - 30m or 50m / 150mm lead
Adhesive	3M Tape
Maximum run	30m single feed · 50m dual feed
IP rating	IP20 — dry indoor only
Certification	UKCA, CE, RoHS
Warranty	7 Years



CHOOSING A COLOUR TEMPERATURE



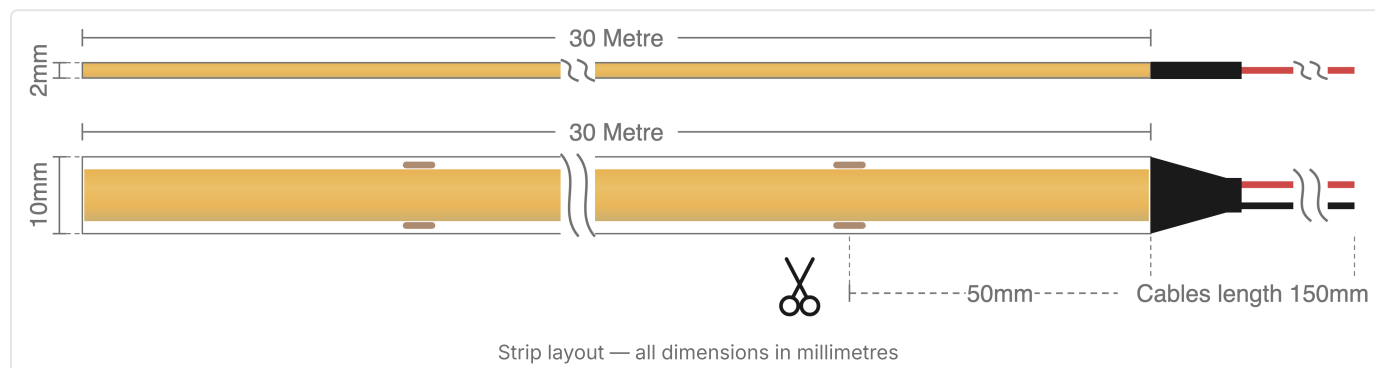
The same kitchen lit by each colour temperature in this range

2700K	The warmest in the range, closest to filament. Living rooms, bedrooms, hospitality.	3000K	Warm without going amber. The usual choice for kitchens and stair coving.
4000K	Neutral. Reads colours honestly, so it suits worktops, wardrobes and retail display.	5000K	A crisp working white. Garages, workshops, utility rooms and offices.
6000K	The coldest, close to daylight. Display cabinets, signage and cold-store display.		

Dimensions, description and handling

Dimensions, description and what arrives in the box

DIMENSIONS



DESCRIPTION

A 10mm COB strip on 48V, running 480 chips per metre at 7.5W and 723 lumens. The emitting face is one continuous phosphor line, so it throws an even bar of light with no dots.

6500K is the coldest white made, a clean daylight-white with a distinct blue edge. It suits display, signage and inspection work, but is too cool for the rooms people relax in.

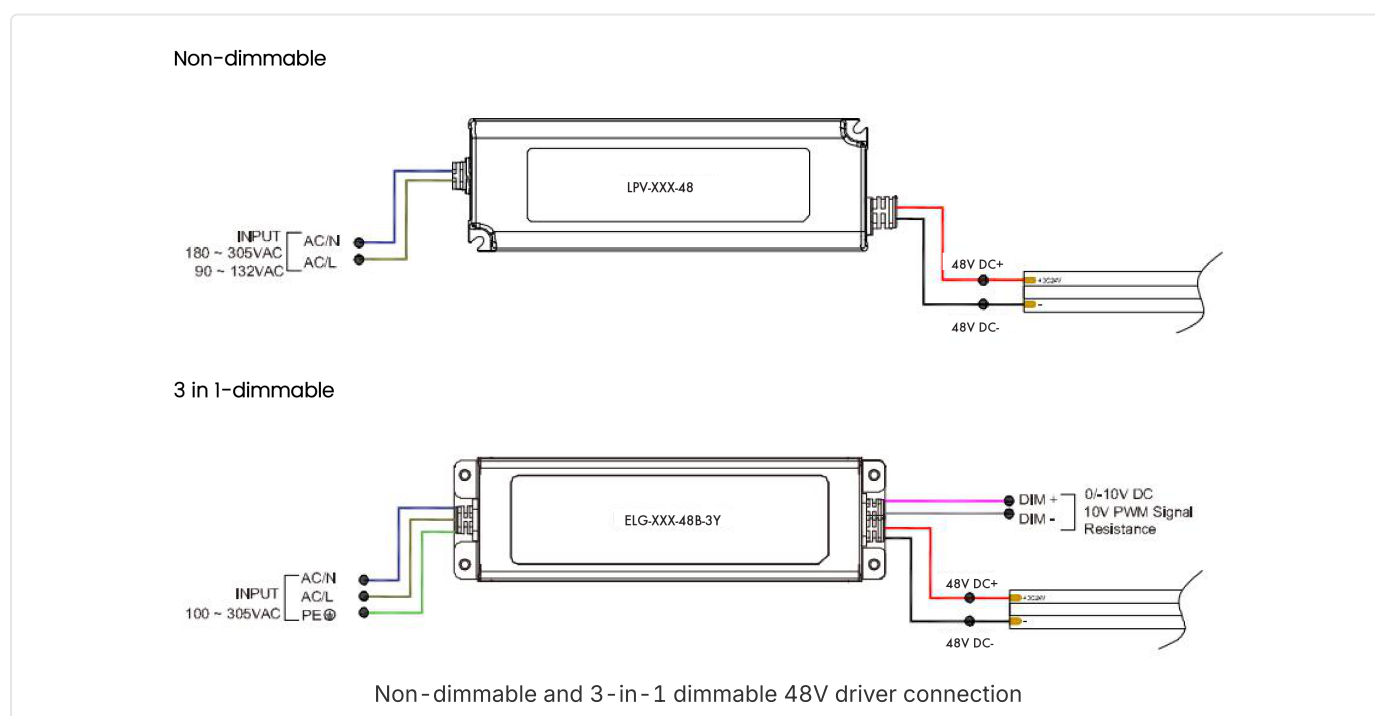
One feed spans 30 metres for long runs, 50 from both ends; at 48V the voltage drop accrues at about half the rate of 24V.

Every run is cut to length to your own measurement. We supply full bespoke lengths, so you order the metres the detail needs rather than trimming a fixed reel on site.

IN THE BOX

- COB strip, cut to length, with 1 × 150mm connection lead

WIRING DIAGRAM

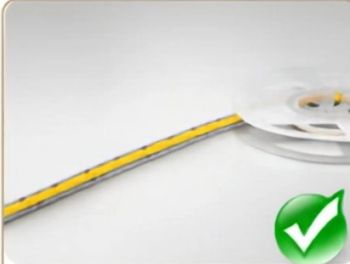
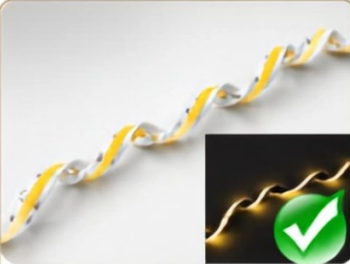
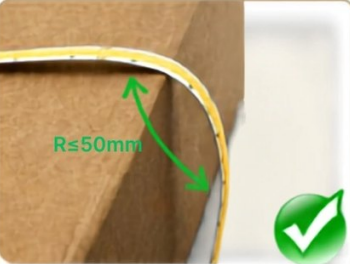
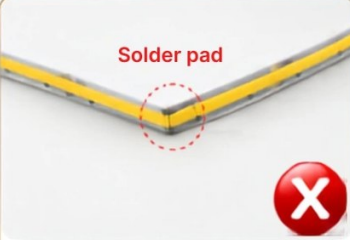


Cautions

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

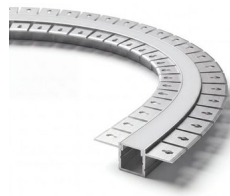
- Do not connect the strip directly to 220–240V mains. It runs on a 48V constant-voltage driver only; mains voltage destroys the LEDs instantly.
- A single feed carries up to 30 metres. For runs up to 50 metres, feed the driver into both ends of the strip rather than one, so the far end holds its brightness.
- Never power the strip while it is still coiled on the reel. Heat builds in the coil, lifts the adhesive and is a fire risk.
- The strip is static-sensitive. Wear an anti-static wrist strap or 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.