

Daylight 5000K COB LED Strip 48V 10mm 480LEDs/m IP20 30m Run

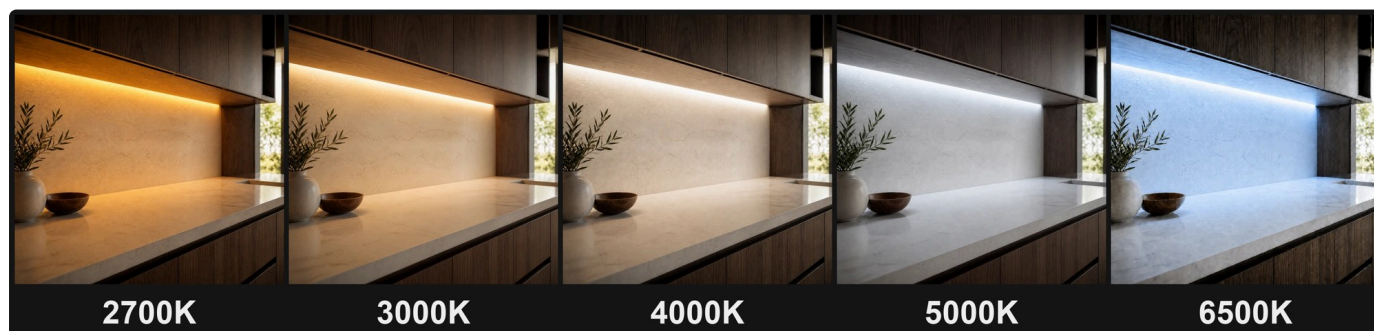
Dot-free 10mm COB strip, 7.5 W/m, 30 metre run on a single feed

SPECIFICATION

LED type	COB (chips on FPC)
Voltage	48V DC constant voltage
Section	10mm x 2mm
LEDs per metre	480
Colour temperature	5000K
Luminous flux	755 lm/m
Power	7.5 W/m
Efficacy	101 lm/W
CRI	>90, SDCM <3
Cut points	Every 50mm
Supplied	Cut to your specified length
Adhesive	Brown 3M 300LSE tape, factory applied
Maximum run	30m single feed · 50m dual feed
IP rating	IP20 — dry indoor only
Certification	UKCA, CE, RoHS
Guarantee	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.

6000K The coldest, close to daylight. Display cabinets, signage and cold-store display.

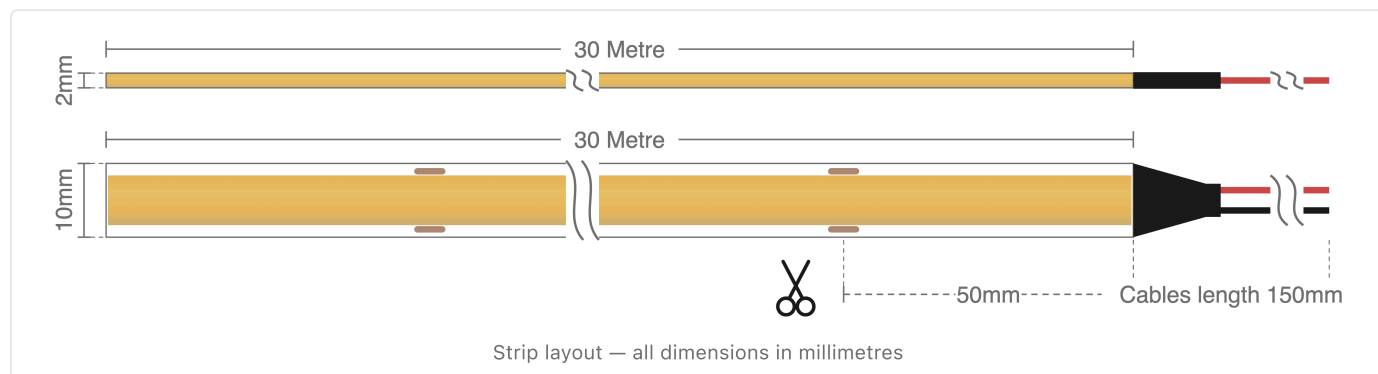
3000K Warm without going amber. The usual choice for kitchens and stair coving.

5000K A crisp working white. Garages, workshops, utility rooms and offices.

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 755 lumens. The emitting face is one continuous phosphor line, so it throws an even bar of light with no dots.

5000K is a crisp working white, brighter and cooler than neutral without tipping into blue. It is the natural fit for garages, workshops, utility rooms and offices.

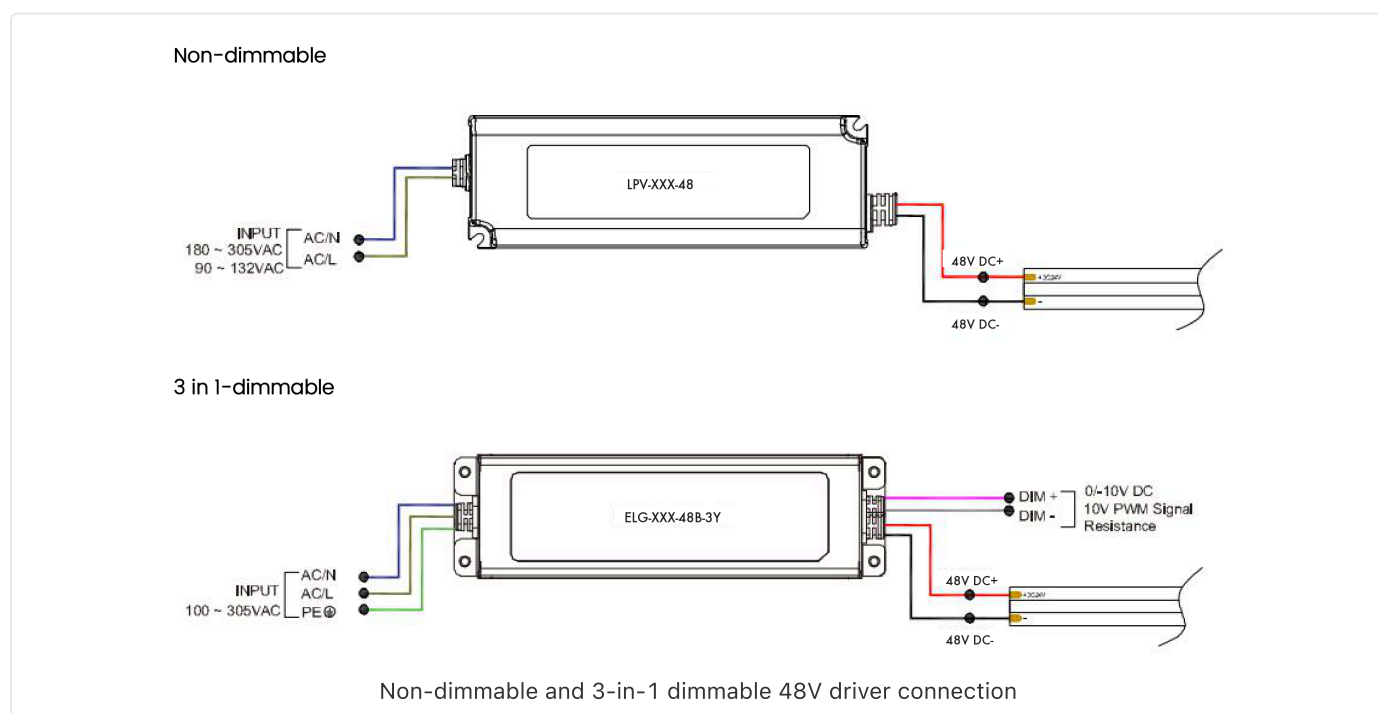
One feed spans 30 metres for long runs, 50 from both ends; at 48V the voltage drop accrues at about half the rate of 24V.

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

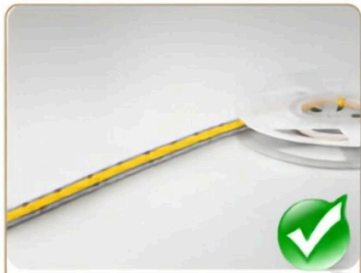
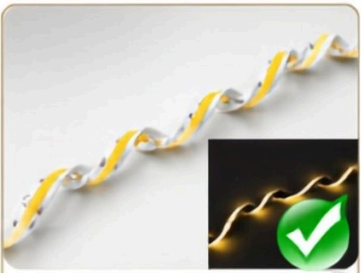
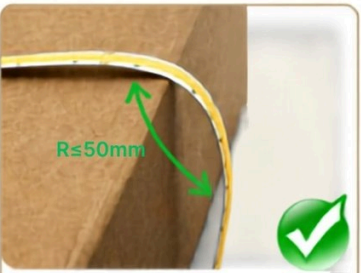


Cautions

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

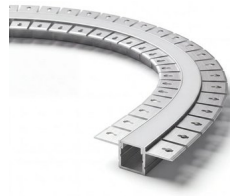
- Do not connect the strip directly to 220–240V mains. It runs on a 48V constant-voltage driver only; mains voltage destroys the LEDs instantly.
- A single feed carries up to 30 metres. For runs up to 50 metres, feed the driver into both ends of the strip rather than one, so the far end holds its brightness.
- 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
 T1510 15 × 10mm 1m to 8m+	 T1616 16 × 16mm 1m to 8m+	 T2010 20 × 10mm 1m to 8m+	 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.