

## Warm White 3000K 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

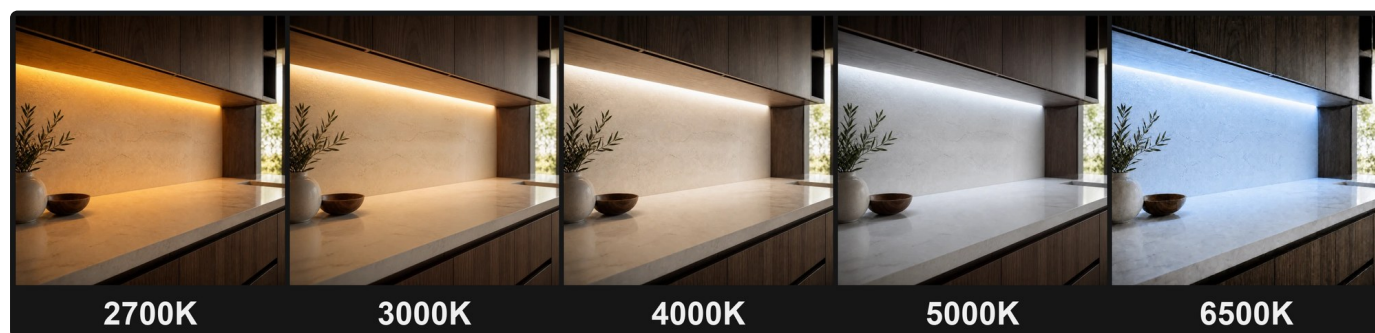
|                    |                   |                |             |                 |                      |           |
|--------------------|-------------------|----------------|-------------|-----------------|----------------------|-----------|
| 7Years<br>Warranty | IP20<br>IP RATING | 30M<br>MAX RUN | 50mm<br>CUT | 90+<br>HIGH CRI | 3000K<br>COLOUR TEMP | 48V<br>DC |
|--------------------|-------------------|----------------|-------------|-----------------|----------------------|-----------|

### SPECIFICATION

|                     |                                 |
|---------------------|---------------------------------|
| LED type            | COB LED Strip                   |
| Voltage             | 48V DC constant voltage         |
| Section             | 10mm × 2mm                      |
| LEDs per metre      | 480                             |
| Colour temperature  | 3000K                           |
| Luminous flux       | 677 lm/m                        |
| Power               | 7.5 W/m                         |
| Efficacy            | 90 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



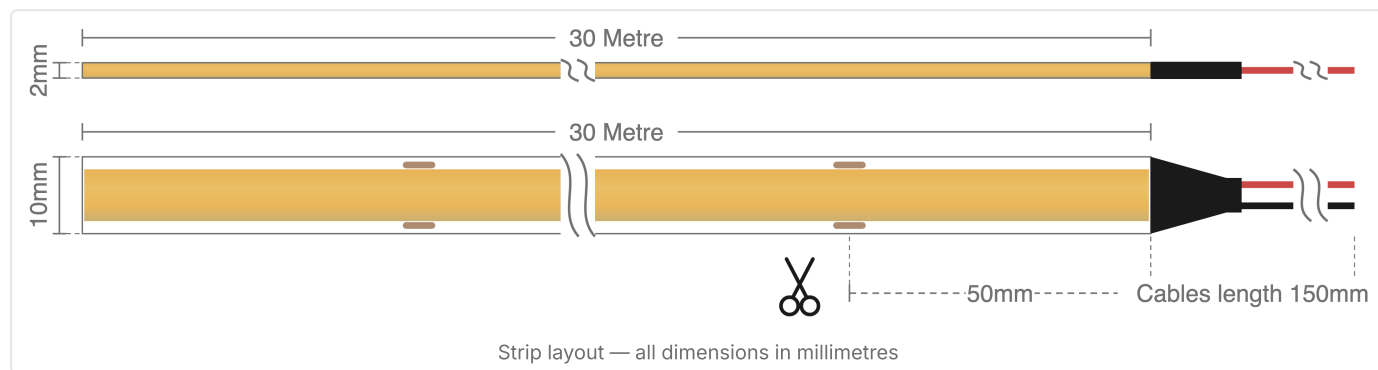
The same kitchen lit by each colour temperature in this range

|              |                                                                                      |              |                                                                           |
|--------------|--------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------|
| <b>2700K</b> | The warmest in the range, closest to filament. Living rooms, bedrooms, hospitality.  | <b>3000K</b> | Warm without going amber. The usual choice for kitchens and stair coving. |
| <b>4000K</b> | Neutral. Reads colours honestly, so it suits worktops, wardrobes and retail display. | <b>5000K</b> | A crisp working white. Garages, workshops, utility rooms and offices.     |
| <b>6000K</b> | 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 677 lumens. The emitting face is one continuous phosphor line, so it throws an even bar of light with no dots.

3000K is warm without going amber. It is the usual choice for kitchens, under-cabinet lighting and stair coving.

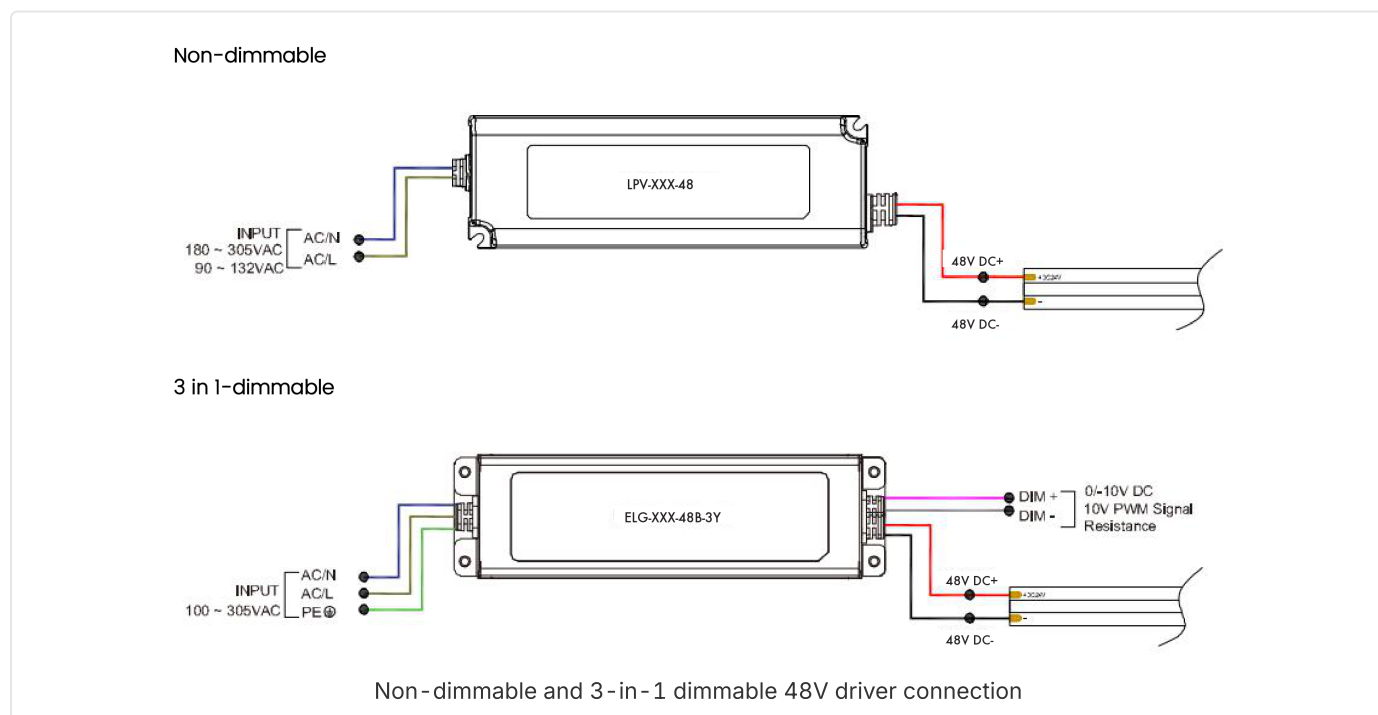
One feed spans 30 metres for long runs, 50 from both ends; at 48V the voltage drop accrues at about half the rate of 24V.

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:



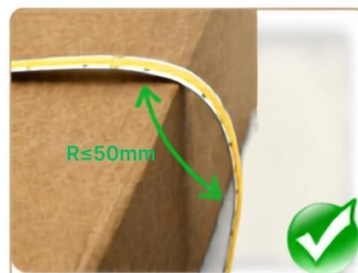
1

Straighten the COB tape light vertically during normal service.



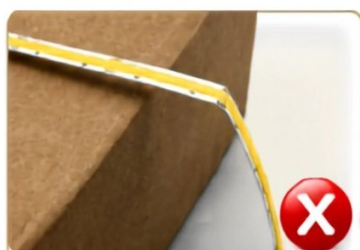
2

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



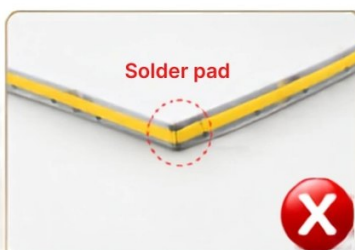
3

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  $\geq 50\text{mm}$ )



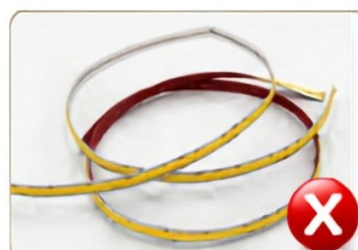
4

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

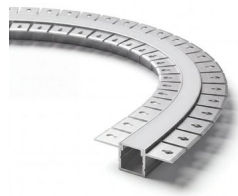
- Do not connect the strip directly to 220–240V mains. It runs on a 48V constant-voltage driver only; mains voltage destroys the LEDs instantly.
- A single feed carries up to 30 metres. For runs up to 50 metres, feed the driver into both ends of the strip rather than one, so the far end holds its brightness.
- 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](mailto: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

|                                                                                                                                                                                                    |                                                                                                                                                                                                    |                                                                                                                                                                                                     |                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>SURFACE</b><br/><b>ALPROFILE-509</b><br/>17 × 8mm<br/>1m · 2m (PROF-509-2M)</p>                            |  <p><b>SURFACE</b><br/><b>PROF-1210B-1M</b><br/>12 × 10mm<br/>1m · 2.45m</p>                                      |  <p><b>RECESSED</b><br/><b>ALRPROF25X7X12-508</b><br/>25 × 7mm<br/>1m · 2m</p>                                    |  <p><b>RECESSED</b><br/><b>ALPROFILE613B</b><br/>24 × 14.2mm<br/>1m</p>       |
|  <p><b>CORNER</b><br/><b>CP16X16MM-1M-WH</b><br/>16 × 16mm<br/>1m · 2m</p>                                       |  <p><b>CORNER</b><br/><b>PROFILE614</b><br/>19 × 19mm<br/>1m · 2m (CP1919-2M)</p>                                |  <p><b>PLASTER-IN</b><br/><b>S-PIP-P1513-1M</b><br/>55.5 × 13mm<br/>1m · 2m · 2.45m</p>                          |  <p><b>PLASTER-IN</b><br/><b>B-PIP-P2015-2M</b><br/>bendable<br/>2m · 3m</p> |
|  <p><b>T1510</b><br/>Suitable for 2835, 5050, FC08 and other 10-12mm LED strips<br/>15 × 10mm<br/>1m to 8m+</p> |  <p><b>T1616</b><br/>Suitable for 2835, 5050, FC08 and other 10-12mm LED strips<br/>16 × 16mm<br/>1m to 8m+</p> |  <p><b>T2010</b><br/>Suitable for 2835, 5050, FC08 and other 10-12mm LED strips<br/>20 × 10mm<br/>1m to 8m+</p> |  <p><b>SD1220</b><br/>12 × 20mm<br/>1m to 8m+</p>                           |

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.