

CONTINUOUS LIGHT / COB SERIES

COB CCT 19 W/m*

12 mm / Tunable white

Warm to cool white.
One strip. Adjustable ambience.

ICOB-CCT



SUPPLY VOLTAGE

24 V DC

POWER / METRE

19 W/m*

LIGHT CHARACTER

2700-6500 K

01 Technical specification

Supply / drive	24 V DC / constant voltage
Power consumption	19 W/m*
Colour control	CCT / warm + cool channels
PCB width	12 mm / clip-fit check*
Light output	Confirm for selected reel
LED density	1008 LEDs/m
Colour rendering	Confirm CRI
Cut interval	Confirm marked cut points
Ingress / application	IP20 connector / dry indoor use
Maximum run per feed	Confirm for selected reel
Adhesive backing	Confirm supplied backing
Controller	2-channel CCT / rated for load
Connection family	Beetle Clip Invisible / Page 3

DESIGNED FOR LINEAR LIGHT.

Adjust white light from warm to cool with a compatible CCT controller. A continuous COB light line.

SYSTEM SELECTION

Match driver, controller and mounting profile.

02 Tunable white & dimensions



2700 K / Warm white

6500 K / Cool white

12 mm clip selection / 3-pin CCT / verify PCB and pad fit

*19 W/m from catalogue record. Confirm reel power, PCB width, cut pitch and run limits.

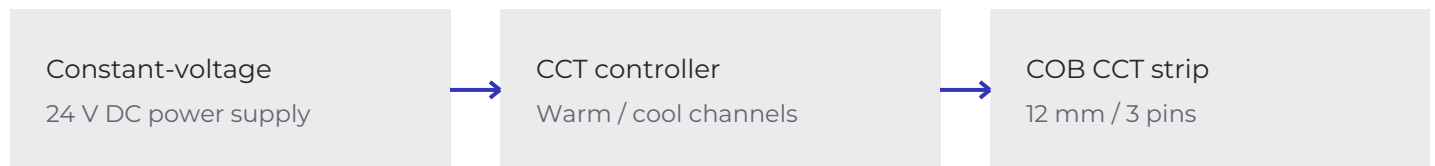
Technical review draft. Unverified model values are deliberately left for confirmation.

Install with confidence.

COB CCT / Installation guide

Plan the driver, controller, strip feeds and mounting before installation.
Use the confirmed reel ratings and the correct channel wiring for your model.

01 Plan the complete system



DC system overview. Connect common, warm-white and cool-white terminals correctly.

02 Measure. Prepare. Connect.

- | | |
|---|---|
| 01 Plan & size | 02 Test before fitting |
| Check the reel's maximum run per feed.
Size driver, controller and cables for the load. | Unroll fully and test with rated DC voltage.
Isolate power before cutting or wiring. |
| 03 Confirm the cut points | 04 Prepare & mount |
| Cut only at the marked points for this reel.
Do not borrow a cut pitch from another model. | Use a clean, dry mounting surface and a
suitable profile; check connector clearance. |
| 05 Connect with Invisible clips | 06 Commission & finish |
| Use the 12 mm / 3-pin CCT clip on Page 3.
Match every terminal; support the leads. | Test all CCT settings and dimming.
Check joins and even output before finishing. |

03 Driver sizing & accessories

SIZE THE DRIVER

Load = length x rated watts per metre
Example*: 5 m x 19 W/m = 95 W
At 24 V DC: 95 W / 24 V = 3.96 A
Allow for loading limits and temperature derating.

COMPLETE THE SYSTEM

Profile: fit the 12 mm strip and clip body. Driver:
match voltage and total load. Controller: check both
per-channel and total current. Connectors: see Page
3.

*Example uses provisional power. Size to the confirmed all-channel maximum load.
Never power a coiled reel. Fixed mains connections: qualified electrical professional.

Choose the right connection.

12 mm COB CCT / Onlumi Beetle Clip Invisible

Low-profile solderless connections for dry indoor COB installations.
Match PCB width, contact layout, copper weight and load before fitting.



Strip to power

BCI12XB-3W

Manufacturer image



Strip bridge

BCI12BXB-3W

Manufacturer image

01 Ratings & connection choices

CONNECTION TYPE	2 OZ PCB	3 OZ PCB	LEAD
20 AWG power / bridge	4 A	4.5 A	150 / 50 mm*
18 AWG power / bridge	4 A	5.5 A	150 mm
20 AWG 2510 lead variants	4 A	4.5 A	150-2000 mm

Up to 24 V DC / 12 mm / 3 pins / IP20 / flexible PCB 0.25-0.35 mm

Housing: 15.6 x 13.6 x 3.3 mm. Current limits depend on PCB copper and application.

*50 mm lead is a listed 20 AWG bridge option; exact SKU and stock to be confirmed.

02 Fit. Connect. Check.

- 01

Confirm fit
12 mm / 3 pins / IP20 only. Trial-fit the clip; check pad layout and profile clearance.
- 02

Prepare the strip
Isolate power and cut at approved marks. Confirm the correct contact area for the clip.
- 03

Match every terminal
Trace labels; do not infer function from wire colour. Seat and secure to maker instructions.
- 04

Support & test
Support leads so the clip carries no strain. Test warm, cool and common before mounting.

CHECK THE LOAD THROUGH EACH CLIP

At provisional 19 W/m, 24 V: 5 m draws 3.96 A. Confirm capacity and operating margin.

Check the common path and each channel. Divide feeds or use a suitable higher-rated connection.